



ANNEXURES

QUESTIONNAIRE
SURVEY

ON

EXPORT CAPABILITY ASSESSMENT

OF INDIAN TOOLING INDUSTRY

COMMISSIONED BY

DEPTT. OF SCIENTIFIC & INDUSTRIAL RESEARCH

MINISTRY OF SCIENCE & TECHNOLOGY

GOVERNMENT OF INDIA

Carried out by



NATIONAL PRODUCTIVITY COUNCIL

LODI ROAD, NEW DELHI - 110003

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Survey on Export Capability Assessment of Indian Tooling Industry for Department of Scientific & Industrial Research (DSIR), Min. of Science & Technology, Govt. of India.

Dear Respondent,

We are pleased to announce that Department of Scientific & Industrial Research (DSIR), Ministry of Science & Technology, Govt. of India, has commissioned a survey on "Export Capability Assessment of Indian Tooling Industry".

The major objective of the survey is to highlight the export capability of Tooling Industry and identify factors that would make the industry competitive in the global market. The survey would help ascertain the strengths and requirements of this sector vis-à-vis technology, trained & skilled manpower, quality, cost, etc. The survey is a step in the direction to make India a global tooling outsourcing destination.

We solicit your kind co-operation & support in completing the enclosed questionnaire and returning it to us within the next 2 weeks. Confidentiality of data/ information shall be maintained.

DSIR and NPC sincerely Endeavour to promote the Indian Tooling industry and look forward to a fruitful interaction with you.

Thanking you,

A. K. Dhar,
Director (Technology Management),
National Productivity Council,
Lodi Road, New Delhi - 110 003
Ph: 011-24607334 M): 9871323213
FAX: 011 - 24615002 / 24698138
E-Mail:ak.dhar@npcindia.org

1. BASIC ORGANISATIONAL INFORMATION:

- (i) Name of the organization:
- (ii) Contact Persons and Address:
- (iii) Phone/Fax/E-Mail:
- (iv) Year of Establishment:
- (v) Legal Status of the Unit: Corporate / Partnership / Proprietorship / Co-operative
- (vi) Nature of Organisation:
Commercial Tool Room / Captive Tool Room / Others (Pl. Specify)
- (vii) Whether a Small Scale Unit: Yes / No
- (viii) Total No. of Employees (indicate a/b/c/d):
a: <25
b: Between 25 & 50
c: Between 50 & 100
d: > 100
- ix) Technical Collabourations [Name & Address of Collabourator and Date]:

2. Production and Sales - Pl. provide the following details:

ars	Capacity utilization (%)	Total Sales Rs. Lakhs	Exports as % of Sales	Categories of Tools produced (use numerical * codes	Categories of Tools exported (use numerical * codes	Main Export Destinations

* 1 – Jigs, 2 – Fixtures, 3 – Gauges, 4 – Press Tools, 5 – Dies for die Casting, 6 – Moulds, 7 – Forging Dies, 8 – Mandrels, 9 – Thread Rolling Dies, 10 – Special Cutting Tools (reamers, step drills etc.), 11 – Others (Pl. Mention)

3. Kinds of industries domestic & abroad where your tools are sold: (Pl. tick)

Automobile		Computer & Peripherals	
Auto-ancillary		Consumer Durable	
Electronics		Toys & Games	
Electrical		Ordnance Industry	
Heavy Engineering		Aerospace	
Audio & Video		Medical Products	
Telecom		Others (Pl. specify)	

4. PLANT AND MACHINERY

(ii) Total investment in Plant & Machinery (Please tick):

- a: < Rs. 25 lakh
- b: Between Rs. 25 & Rs. 50 lakh
- c: Between Rs. 50 & Rs. 100 lakh
- d: > Rs. 100 lakh

(iii) Pl. mention names of Special Machines deployed in your unit:

1. What is the rejection / rework (% or ppm) in production for the kind of product you make in your shop floor. (Pl. tick)

< 0.5% <1% <5%

100-ppm 1000 ppm 10,000 ppm

2. What are the significant techno managerial methods for in process quality control?

- i) Raw Material Testing Acceptance Sampling/100% inspection/Any other method (Pl. Specify)
- ii) Heat Treatment Acceptance Sampling/100% inspection/Any other method (Pl. Specify)
- iii) Testing of Jigs&Fixtures Acceptance Sampling/100% inspection/Any other method (Specify)

iv) Others Acceptance Sampling/100% inspection/Any other method (Pl. Specify)

3. How does market perceive your products:

- i) Quality: High/Medium/Low
- ii) Cost: High/Competitive/Customer Friendly

4. Are any standards of products / processes / systems such as ISO, DIN, JIS etc. being adopted by your company:

5. Do you have any R&D linkages with Institutes / Organisations. Please Indicate Investments and Initiatives taken? Pl. also mention any specific institutes / organizations which have contributed to your success in terms of Product Design, Engineering, R&D etc.

6. IPR information: Patent, Design Registration, Trade Mark Registration

Name of Products / Process	IPR Type Patent Design /Trademark	Date of Filing / Registration	Country

7. Do you have access to:

- World Class Designs /Standards Yes / No
- Quality Raw Materials Yes / No
- Skilled Labour Yes / No
- Tool Room Facilities Yes / No
- R&D / Testing / Quality Certification Facility Yes / No
- Manpower Training Facilities Yes / No
- Export Market Related Information Yes / No
- WTO Related Information Yes / No

8. In view of the high competition from foreign companies in India in the future, what measures do you suggest to support the domestic tool manufacturing units? (Rank in order of priority 1= highest, 2,3 downwards)

- | | |
|---|--------------------------|
| Reduce excise duty on raw materials | <input type="checkbox"/> |
| Reduce/Eliminate sales tax | <input type="checkbox"/> |
| Support modernization credit through reduced interest | <input type="checkbox"/> |
| Strengthen Tool Room/Testing facilities | <input type="checkbox"/> |
| Strengthen Cluster facilities (Infrastructure etc.) | <input type="checkbox"/> |
| Create special scheme for R&D / Testing/ Certification facility | <input type="checkbox"/> |
| Reduced Interest loan for working capital | <input type="checkbox"/> |
| Manpower training | <input type="checkbox"/> |
| Availability of Export market related information | <input type="checkbox"/> |
| Legal support for WTO related dispute settlement | <input type="checkbox"/> |
| Any other (specify) | <input type="checkbox"/> |

9. Do you plan to export any of your products to global market, if yes what additional policy level assistance / support you expect to receive?

10. What do you think Indian tooling industry like yours could target for exports, in terms of products and markets?

11. Technical Competence:

i) No. of Qualified and / or experienced tool designers and tool makers (Pl. mention nos. in terms of each of the above categories)

ii) What are the difficulties experienced in getting suitable personnel-of the above categories.

v) What kind of improvements would you recommend in the training facilities / curriculum for skilled toolmakers.

12. Any other Views / Comments on your Export Capability

Annexure-2

**LIST OF MEMBERS OF TOOL & GAUGE MANUFACTURERS
ASSOCIATION OF INDIA (TAGMA)**

Sr	Unit Name	Sr	Unit Name
1.	ALPHACRAFT PVT.LTD. S.F.# 120/2A Karayampalayam Myampatti(Post) Coimbatore - 641 014 Tel: 0422-2626040 Fax: 0422-2625190 Email: alphacraft@vsnl.com Contact: MR.M.Ramesh, MD Products:Design Development and Manufacturing of Pressure Die Casting Dies , Injection Moulds, Extrusion Blow Moulds (Extrusion Injection & Stretch) Commission Moulds.	2.	ACCURATE ENG. CO. PVT LTD Gauge House, 67, Hadapsar Indl. Estate, Pune - 411 013 Tel: 020-6870158/59 Fax: 020-6870858 Email: accurate@vsnl.com Contact:Mr.Vikram Salunkhe MD Products: Manufacturer of wide range of measuring instruments and gauges, comprising 3D coordinate measuring machine
3.	ASIAN COMPONENTS PVT LTD 64, Indl. Estate, Sector-6, Faridabad - 121 006 Tel: 0129-5242464/ 5241761 Fax: 0129-5243134 Email: diecast@vsnl.com Contact: Mr.Rahul Jain, Dir. Products: Manufacture of die casting moulds, dies, jigs & fixtures and die cast components	4.	ASSAB SRIPAD STEELS LTD Padmalaya Towers, Janaki Avenue MRC Nagar, Chennai - 600 028 Tel: 044-2437044/ 24951980 Fax: 044-24952273/ 24957802 Email: pes@assabsripad.com www.assabsripadsteels.com Contact: Mr.P E Shankar Director Products: Premium Quality Swedish Tool Steels for Plastic Mould and Die- Casting, Die- forging, Die-extrusion and Die press tool applications, Quality Certification ISO 9000
5.	AJEX SALES CORPORATION 24 Rajpur Road, Delhi - 110 054 Tel: 011-3928743/ 3977762 Fax: 011-3914179/ 3973240 Email: ajex@ndf.vsnl.net.in	6.	ABHIJEET DIES & TOOLS PVT LTD 83C, Govt. Indl. Estate, Charkop, Kandivali (W) Mumbai - 400 067 Tel:022-28683482/ 28682837 Fax:022-28683281 Email: abhijeetdies@vsnl.com
7.	ASSAB SRIPAD STEELS LTD, 709, Swastik Chambers, Sion- Trombay Road, Chembur, Mumbai400 071 Tel:022-25227110/ 25228133, Fax: 022-25232961 email:sripad@bom3.vsnl.net.in Contact: Mr.S S Ramanan, Dir.	8.	ANIRUDDHA WIRE CUT TOOLS 175/ A, GIDC, Waghodia - 391 760 Tel: 0265-361787-166 Fax: 02668-62504 Email: awct@eth.net
9.	ANAND MOULD STEELS PVT.LTD. Plot No.1442, Road No.16 Kalamboli Warehousing Complex, Kalamboli Navi Mumbai - 410218 Tel: 022-65133711'12 Fax: 02-27423998 Email: anand_steels@vsnl.com Contact: Mr. Ashish Bhansali OR Mr. K P Bhansali - Partner Products: Importers & stockist in plastic mould steels (1.2311	10	AMRITA INSTITUTE OF TECHNOLOGY AND SCIENCE Ettimadai Post, Coimbatore - 645105 Tel: 0422-2656422 Fax: 0422-2856274 Email: rr_subba@amrita.edu www.amrita.edu Contact: Prof.R Subba Rao - Head Dept. Polymer Engg. Products: Premier Engineering College, offering BE Programme in

	& 1.2738 grade), Mould Base Plates, AISI H-13 Grade Hot Dies steel, AISI D2 Grade Cold work Die steel, EN-24 Forged Blocks.		seven disciplines including polymer engineering
11	AMRITA TOOL CRAFTS (P) LTD 32B, Electronic Complex, Kushaiguda, Hyderabad 500 062 Tel:040-27122452/27124399 Fax:040-27124453 Email: hyd2_amritha@sancharnet.in Contact: Mr.Suresh Reddy, MD Products: Design & Manufacture of plastic components and moulds. Suppliers of plastic components, CNC milling of Precision components, ISO 9001 company	12	AMBA COPORATION Plot No. A322, Road No. 21, Wagle Estate, Thane - 400 604 Tel:022-5800299/ 5827418 Fax:022-5811716 Email: amba@vsnl.com Contact: Mr. Anil N Patel - MD Products: Manufacturing of various injection moulds & blow moulds
13	ALTAIR ENGINEERING INDIA(P) Ltd Mercury 2B Block, 5 th Floor Prestige Tech Park, Sarajapur Marathahalli, Outer Ring Road Bangalore - 560 087 Tel:080-66294500 Email: pavan.kumar@ultair.com www.altair.com Contact:Mr.Pavan Kumar, MD Products: Computer aided Engineering services, product design & development Engg. Software - sales & services	14	ACCU SPARK ENGINEERS # 26, 6th Main Road J.C.Industrial Layout Kanakapura Rd Bangalore - 560 062 Tel: 080-26660124 Fax: 080-26669445 Email: accuspark@yahoo.com Contact: Mr. A R Ramesh/ Mr. A G Pradeepkrishnan - Partners Products: Mfg. of injection moulds & components related to sub assemblies
15	ASSOCIATE TOOLS No.7, 2nd Main, Kamakshipalya Indl. Lane, Magadi Main Road Behind Police Station Bangalore - 560 079 Tel: 080-30622055 Email: jovish21@associatetools.net Contact: Mr.Vaishvanath Shastry Products: Manufacturers of all types of plastic moulds, press tools and comp. supply, specialist in insert moulded components	16	ALPHA INDUSTRY T-143/2 Opp. Kores Pfeco Foundry MIDC, Bhosari, Pune - 411026 Tel: 020-30683100/105 Fax: 020-4111145 Email: rdchavan@alphaindustry.net Contact: Mr.R D Chavan - Partner Products: Manufacture of Tools, Dies and CNC Machine through CAD/CAM(GDC, PDC and Patterns)
17	AUTOTECH MACHINE TOOLS SALES & SERVICES No.5, A-Wing, Shatataraka Apts. 47, Aundh Road, Near Ganapati Temple, Kirkee, Pune - 411 020 Tel: 020-5690044/45 Fax: 020-5690046 Email: autocnc@vsnl.com Contact: Mr. Sanjay G. Naik Products: Sales & Service of CNC Machines	18	ASIAN MOULDS & DIES INDUSTRIES D/2, Vinochem Ind. Estate, Goddev Road, Bhayander(E) Thane - 401 105 Tel: 022-28141345 Fax: 022-28190835 Email: asianmi@mtnl.net.in Contact: Mr.Rajesh B. Makwana Products: Manufacturers & Exporters of Moulds of Caps, Containers, Boxes, Lipstick containers with Mechanism for cosmetic Ind. Pharmaceutical Ind.& Petroleum Ind.
19	AWANTI POLYMOULDS(P) LTD 25/5A/1/2 Nanded, Near Sawali	20	ADEPT POLYMERS PVT.LTD. B-121, II Stage, III Main

	<p>Dhaba, Sinhad Road, Pune - 411 041 Tel:020-24392225 Fax:020-24392805 Email:shirishk@vsnl.com Contact: Mr.Kshirsagar Shirish Director Products: Manufacturer and Exporter of blow-moulds for PET bottles and containers</p>		<p>Peenya Indl. Estate Bangalore - 560 058 Tel: 080-28361922/28364737 Fax: 080-28360140 Email: mail@adeptpolymers.com Contact: Mr.G. Karthick, Director Products: Injection Moulds, Injection Moulding of engineering plastics & assembly operations.</p>
21	<p>AISHANI ELECTRONICS (P) LTD J - 488, MIDC, Bhosari Pune - 411 026 Tel: 020-27471141/46 Fax: 020-24114001 Email: aishanielectronics@yahoo.com Contact: Mr. Ramnath Hegde-Tool Room Manager Products: Mould Making & Coil winding</p>	22	<p>A.B. TOOLS 112/C, Govt. Indl. Estate, Sahyadri Nagar, Charkop, Kandivli(W) Mumbai - 400 067 Tel: 022-28677646 Fax: 022-28697920 Email: abtools@vsnl.net Contact: Mr. Anthony Joseph Fernandes-Partner Products: Manufacturer of Injection & Blow Mould</p>
23	<p>ARR PRECISION WORKS P.LTD. 53/2, Kamakshipalya Magadi Main Road Bangalore - 560 079 Tel: 080-23487045 Fax: 080 - 23583056 Email:arrprecision@yahoo.com Contact: Mr. T.N. Rajanna, MD Products: Mfrs. of Press tools, Lamination tools, Plastic injection moulds & precision components.</p>	24	<p>AERO ENGINEERING 118 Evening Glory, Raheja Vihar Opp: Chandiwali Tudio Chandiwali, Andheri Mumbai Tel: 022-28575648 Fax: 022-28527742 Email: sampada@digitaltoolroom.com www.digitaltoolroom.com Contact: Mrs.Sampada Panchal-CEO Products: CAD/CAM Consultancy, Reverse Engineering, CNC Miling</p>
25	<p>A.R. MOULDS & DIES 33/34 Anns Estate, Alamelu Mangapuram Ganapathy, Coimbatore - 641 006 Tel: 0422-2532815 Fax: 0422-2532815 Email: rajan@armoulds.com www.armoulds.com Contact: Mr.Y.Rajan, Managing Partner Products: Manufacer of Complex Pressure Die Casting Dies</p>	26	<p>ACE MANUFACTURING SYSTEMS LTD Plot No. 533, 10th Main 4th Phase, Peenya Indl. Area Bangalore - 560 058 Tel: 080-28360508 to 12 Fax: 080-28362791 Email: ams@bgl.vsnl.net.in Contact: Mr.P.Ramadas, MD Products: Manufacturer of CNC Vertical & Horizontal Machining Centre</p>
27	<p>AVI OILLESS DIE COMPONENTS INDIA PVT.LTD. No.45/2, Vitthal Nagar Opp: Mohol Vidyalaya Warje Malwadi, Pune - 411052 Tel: 020-25235161 Fax: 020-25235161 Email: avioilless@vsnl.net www.avi-india.com Contact: Mr.Prashant M. Hendre Director Products: Manufacturing of standard Die elements for Press Tool Application. It includes oil less guide elements like guide Bushes, Sliding Pads, Die</p>	28	<p>AUTO PLAST Unit II, No.556, 3rd Main, 2nd Stage, Peenya Indl. Area, Bangalore Tel: 080-4119255 Contact: Mr. Sunil N. Javali Products: Manufacturer of Injection Moulds, Jigs & fixtures, automation devices</p>

	Sets etc.		
29	ASSOCIATED ENGINEERING SERVICES 11, b3, Kambar Street Ponni Nagar, Karamakkam, Porur Chennai - 600 116 Tel: 044-24763087 Fax: 044-23860134 Email: murali@associatedengg.com Contact: Mr.N.Murali Proprietor Products: Distributors for advanced cutting tools, CNC tool holding systems & Machine tool accessories. Represent manufacturers from Japan, Korea & Taiwan.	30	BRAKES INDIA LTD Padi P.O., Chennai - 600 050 Tel:044-26259175 Fax:044-26529672 Email: Srinivasan.R@brakesindia.co.in www.brakesindia.com Contact: Mr.R Srinivasan, V.P. Technology Development Products: Manufacturing Automobile brakes for Indian & Overseas Markets. The company has its own Large Press Shop; Sand Foundry & Permanent mould Grey Iron Foundry. It also has an Aluminum Foundry for manufacturing large modern tool
31	BPL LTD, AUTOMATION DIVISION No. 238, III Phase, Bommasandra Indl. Area Bangalore - 560 099 Tel:080-7832328 Fax:080-7832329 Email:bplauto@bplauto.com www.bplauto.com Contact:Mr. S. Muralidhar-DGM Products: Plastic Injection moulds for TVs, Audio's Automobile Parts(Plastic Component Moulding)	32	BRIGHT BROTHERS LTD 309-311, Nirman Kendra, Famous Studio Lane, Dr. E Moses Road, Mahalaxmi, Mumbai - 400 011 Tel: 022-4950698 Fax: 022-4950596 Email: arshad_k@vsnl.com Contact: Mr. Arshad Khan, Technical Director Products: Injection Moulding of Industrial & Consumer Products
33	BHURJI SUPER TEK INDIA LTD 272, Udyog Vihar, Phase - II Dundahera, Gurgaon - 122 016 Tel:0124-8901194/2439656/ 2439657 Fax: 0124-8901191 Email: ksbhurji@hotmail.com OR bhurji@nda.vsnl.net.in www.bhurjisupertek.com Contact: Mr. K S Bhurji, MD Products: Leading Manufacturers of plastic injection moulded components like TV Cabinets, Computer cabinets, room cooler kits, parts of home appliances and automobile.	34	BHARAT FRITZ WERNER LIMITED Peenya, Yeshwanthpur, P O Bangalore - 560 022 Tel: 080-8395745 Fax: 080-8394816 Email: chandran@bfw.co.in www.bfwindia.com Contact: Mr. Chandra K. AGM Marketing Products: Manufacturers of leading machine knee type milling machines, CNC boring and milling machines Horizontal machining center model TMC 500 TMC 400 TMC 630 TMC 710/TMC 800 TMC 1000 TM 1250 and in vertical machine center
35	BATLIBOI LTD Bharat House, 5th Floor, 104 B S Marg, Fort, Mumbai - 400 001 Tel: 022-2378200 Fax: 022-2675601 Email:dua@batliboi.com Contact: Mr.Deepak Dua, VP Mktg Products: a) Mfg.(in machine tools area) of general purpose and CNC machine tools of various types at UDHNA Factory b) Special Purpose machine tools for auto parts, defence and other engg. Industries c) Representing Various	36	BEST STAMPING & FORGING C8, Maruthi Apartments, 87, Dr. Alagappa Road, Chennai - 600 084 Tel: 044-26423679 Fax: 044-26252419 Email: panchthiru@yahoo.com Contact: Mr. G Panchanandan - Proprietor Products: Electrical Stampings and laminations, die cast rotors and press tools

	International Companies in Machine Tools		
37	BHAGAVATHI INDUSTRIES No.1, Sanjay Gandhi Nagar (Sathya Nagar Extn), Padi, Chennai - 600 050 Tel: 044-26246217 Fax: 044-26246217 Email: bhagavathi-ind@rediffmail.com Contact: Mr. E K Ravindran - Proprietor Products: Manufacturers of Jigs, Fixtures and Gauges	38	BESPASK B-15, M.I.D.C, Gokul Shirgaon, Kolhapur - 416 234 Tel:0231-2672905/ 2672339 Fax:0231-2672418 Email: kpr_bespask@sancharnet.in ww.bespaskindia.com Contact: Mr.B E Kulkarni, Partner Products: Manufacturer of Aluminum & zinc pressure die casting, gravity die casting & dies. We have well equipped tool room with spark erosion m/c, wire cut machine. Also, we have VMC & turning center for precision machining, we supply fully finish components
39	BHAT METALS RESEARCH P.LTD. A-4, Industrial Estate. Rajaji Nagar, Bangalore - 560 044 Tel: 080-23151211 Fax: 23102675 Email: bhatmetals@rediffmail.com Contact: Mr. Umesh V. Bhat-Director Products: Vacuum Heat Treatment	40	CENTRAL TOOL ROOM & TRG. CENTRE Bon Hooghly Indl. Area, Kolkata - 700 035 Tel: 033-5771068/ 1492 Fax: 033-5772494 Email: cttckolkata@vsnl.com Contact: Mr.Shujayat Khan, GM Products: Moulds, tools, jigs & fixtures and running training courses like diploma in tool and die making, post graduate course in tool design and manufacture etc.
41	CENTRAL TOOL ROOM TRG. CENTRE B-36, Chandaka Indl. Area, P.O. Paria, Bhubaneswar - 751 031 Tel: 0674-440597/ 441210 Fax: 0674-440591/ 440079 Email: cttcbbs@cttc.ori.nic.in Contact: Mr.Sibasis Maity, Sr. Manager (Mktg. & Consultancy) Products: Plastic mould, pressure dies casting dies, press tools, fixtures, machining of precision components.	42	CONNECTWELL INDUSTRIES PVT.LTD. W-6, Phase II, MIDC, Dombivli(E) - 421204 Tel: 0251-2870766/1888 Fax: 0251-2870889 Email: connect@connectwell.com www.connectwell.com Contact: Mr. Vijay G. Saheta, MD Products: Terminal Stations both in High Grade Melamine & Polyamide 6.6 for various electrical applications such as control panels, switchgears, Transformers and electric & Electro-technical equipments & machineries
43	CENTRAL INSTITUTE OF PLASTICS ENGINEERING & TECHNOLOGY TVK Industrial Estate, Guindy, Chennai - 600 032 Tel:044-22253040 Fax: 044-22254787 Email: cipethq@vsnl.com Contact: Mr.K.AR Subramanian, Deputy Director Products: Manpower training and Consultancy services CAD/CAM/CAE, tooling, plastic processing testing and quality assurance	44	CONCORD TOOLS PVT LTD C-97, IIIrd stage, Peenya Indl. Estate, Bangalore - 560 058 Tel: 080-8392891 Fax: 080-8360745 Email: kannaiya@mantraonline.com Contact: Mr. N Kannaiyan Products: Precision Industrial Injection moulds
45	CLASSIC MOULDS & DIES	46	CAMTEK

	<p>K-20, Ambattur Industrial Estate, Chennai - 600 058 Tel: 044-26254488/ 26256004 Fax: 044-26244083 Email: classicmoulds@vsnl.com www.classicmoulds.com Contact: Mr.D Ravi, Director Products: CNC vertical machining center, CNC wire cut EDM, Jig grinding machine, Jig Boring machine, spark erosion machine, super drill, EDM, surface grinding machine</p>		<p>S. No. 100/5, Rajee Farms Ambegaon Khurd, Pune - 411 046 Tel: 020-4372918/19 Fax: 020-4379307/ 2915 Email: intelmac@vsnl.com Contact: Mr.S V Sundur, Director Products: Marketing of Helisys Rapid Prototyping Machine (LOM Principle), Rapid tooling technology, Mfg. engineering analysis software. ('SIMTEC' casting defect analysis software & fast 3D sheet metal forming analysis software)</p>
47	<p>CARBONNAIRE INDUSTRIES (MADRAS) PVT LTD P O Box 895, 144, Old Mahabalipuram Road, Perungundi, Chennai - 600 096 Tel: 044-24961016/ 24961257 Fax: 044-24960064 Email: carbonai@vsnl.com Contact: Mr. Mukund R Kathare Director Products: Plastic Injection moulding components</p>	48	<p>CAM TOOLS M-3, Mehra Indl. Compound, Opp: Orkay Mills Sakinaka, Andheri(E)Mumbai - 400 072 Tel: 022-28521358/28511647 Fax: 022-28527742 Email: paresh@digitaltoolroom.com Contact: Mr. Paresh Panchal, Proprietor Products: CAD/CAM services, CAD/CAM Software Selling, CAD/CAM training, Reverse Engineering, 3D Machining</p>
49	<p>CENTRAL INSTITUTE OF TOOL DESIGN (Govt. of India Society under ministry of SSI & ARI) Balanagar, Hyderabad- 500 037 Tel: 040-23772747/ 23772748 Fax: 040-23772658 Email: citdhyd@hdl.vsnl.net.in www.citd.india.org Contact:Shri V Narasimha Rao Director-GR.I Products: Tool design/Tool Engg, CAD/CAM, MCAD/CAM training</p>	50	<p>CONCORD UNITED PRODUCTS PVT LTD #A-157,3rd Cross, 1st Stage Peenya Indl. Estate, Bangalore - 560 058 Tel: 080 - 51171317/ 8376393 Fax: 080 - 51171318 Email: concordunited@vsnl.net Contact: Mr.M L Manjunath, MD Products: Manufacturers of CNC wire cut machines & EDM Super Drilling Machines</p>
51	<p>CARL ZEISS INDIA PVT LTD (INDIA BRANCH) #22 Kensington Road, Ulsoor, Bangalore - 560 008 Tel: 080-5578888/5567104 Fax: 080-5579999/5568104 Email:sridhar@zeiss.co.in OR india@zeiss.co.in www.zeiss.co.in Contact: Mr.Sridhar V Pissay - Sales Manager - IMT Divn. Products: Marketing and after sales support of metrology products such as high precision co-ordinate measuring machines, surface and roundness testers, metallurgical microscope & optics.</p>	52	<p>CHITRAM ENGINEERING PVT LTD A-49,(New 16) MUDP-2, Industrial Estate, JJ Nagar (E) Chennai - 600 050 Tel: 044-26630128/ 26561297 Fax: 044-26561423 Email: chitram@eth.net Contact: Mr.K S Ramabadrn, MD Mr.K S Murali - Director Products: Manufacturing of Die Moulds, Tool assemblies Punches, Jigs & Fixtures</p>
53	<p>CHENNAI CNC CENTRE No.9 Poomanal 2nd Street, Ekattuthangal, Chennai - 600 097</p>	54	<p>CHOICE PRECITECH INDIA PVT LTD Plot 216 & 217 Padmanagar Phase II Colony, HMT Township Post Hyderabad - 500 054</p>

	<p>Tel: 044-22323321 Fax: 044-22310987 Email: chennaicnc@yahoo.co.in Contact: Mr. D Subramanian, MD Products: CNC wire cut, CNC milling, Jig boring and sparking for dies and moulds</p>		<p>Tel: 040-23083719/ 20 Fax: 040-23083721 Email: choice@hd2.vsnl.net.in Contact: Mr.B Narayanamurthy, MD Products: Design and Manufacturing of tools, Moulds, and precision machined parts, precision plastic and sheet metal components. Assemblies and other allied products.</p>
55	<p>CREATIVE EDM ENGINEERING PVT.LTD. 16A, POCKET-B, SFS FLATS MAYUR VIHAR, PH-III, Delhi - 110 096 Tel: 011-22613592 Fax: 011-22610115 Email: edm@vsnl.com Contact: Mr. Deepak Gupta, Dir. Products: Trading of EDM Electrode materials, POLOGRAPHITE, Tungsten, Copper, Tubular Electrode EDM Oil, Rust Preventives, Spares for WEDM, Filter for EDM & WEDM's, Kemel Diamond Compound Ultrasonic Polishing M/c, Gesswqein Oil stone</p>	56	<p>C.K. MOULDS & DIES PVT.LTD B-8, Ansa Industrial Estate Sakivihar Road, Andheri (E), Mumbai - 400 072 Tel: 022-28473227 Fax: 022-40053229 Email: ckil@vsnl.net Contact: Mr. Nischal Shetty Products: Manufacturers of exporters of plastic moulds, dies & engineering equipments</p>
57	<p>CHAITANYA GRAPHICS 216, 2nd 'E' CrossI phase, Giri Nagar, Bangalore - 560 085 Tel: 080-26722208 Fax: 080-26603182 Email: chaigra@hathway.com Contact: Mr. Vijaya Simha, Proprietor Products: Design & Development of Press Tools Injection Moulds, Jigs & Fixtures, Reverse Engineering & Indigenisation</p>	58	<p>CIMATRON TECHNOLOGIES PVT.LTD. 1, Runwal Pratishtha, 567/2B, Off: Apte Road, Shivajinagar, Pune - 411 004 Tel: 020-25532963 Fax: 020-25532964 Contact: Mr.Amod Onkar, Country Manager Products: Providing solution CAD/CAM for toolmakers, NC solution for the tooling industry, CAD-independent collabouration package for preliminary tool design, math data analysis and viewing of CAD data, software modules specifically for the footwear industry's Mould & pattern makers</p>
59	<p>CHRISTEK MOULDS No.5, Bharathiyar, 2nd Cross Street, Srinivasa Nagar, Padi Chennai - 600 050 Tel: 044-65489993 Email: Christ@vsnl.net Contact: Mr. Lalind Dilanjan Christy Products: Manufacturer of High Precision Moulds, Dies, Fixtures, Gauges, Multi Heads, High Precision Spindle Heads, Fabricated Structures</p>	60	<p>DALAL PLASTIC CORPORATION D/13, Nandanvan Indl. Estate Agra Road, Opp. Acc Research Centre, Thane - 400 604 Tel: 022-5821167 Fax: 022-5828167 Email: aadalal@bom5.vsnl.net.in Contact: Mr. A A Dalal - Partner Products: Engineering Plastic Components for: Electrical/ Electronic/ Automobile</p>
61	<p>DMG INDIA PRIVATE LIMITED Al-Latheef II, No.2/1, Union</p>	62	<p>DAHANUKAR MACHINE TOOLS College Road, Vadkun, Dahanu</p>

	<p>Street Off: Infantry Road, Bangalore - Tel: 080-4113128/1 Fax: 080-41131285 Email: subramani.umesh@dmgindia.com www.dmgindia.com Contact: Mr.S G Narayan, MD Products: CNC turning centers, CNC horizontal and vertical machine centers</p>		<p>Road(W), Thane - 401 602 Tel: 02528-24354 Fax: 02528-22131 Email: dmtindia@hotmail.com Contact: Mr.Amar P Dahanukar - Technical & Marketing Executive Products: Manufacturers of Precision Surface Grinding Machine Manually Operated, Hydraulic & Rotary Grinding Machine</p>
63	<p>D M E COMPANY (INDIA) LTD No.117, Perin Nariman Street 2nd floor, Fort, Mumbai - 400 001 Tel: 022-66627401 Fax: 022-66627416 Contact: Mr.N.S. Krishnakumar Country General Manager Products: Standard Mould Bases and Ejector Pins, Standard Mould Components & Systems for mould & die industries</p>	64	<p>DESIGN DESK(INDIA) PVT LTD 11, First floor, Rajabadar Street, Pondy Bazar, T-Nagar, Chennai - 600 017 Tel: 044-28154889 Fax: 044-52124264 Email: www.ddipl.com Contact: Mr. Shanmugam - Director Products: CAD/CAM & CNC milling services and Rapid Prototyping Design, Manufacturing and supply of precision press tools moulds and dies.</p>
65	<p>DIE PLAST PVT. LTD 251, Guru Gobind Singh Indl. Estae, Goregaon (E), Mumbai - 400 063 Tel: 022-26855099 Fax: 022-26854275 Email: dieplast@vsnl.net Contact: Mr.R D Ganjawala / Mr. S G Joshi - Director Products: Injection Moulds for Cap & Closures, Thin Wall etc. Moulds are hardened, Multi- cavity for flip top caps, Taper Evident Caps, Unscrewing Type etc.</p>	66	<p>DEVU TOOLS PVT.LTD. A-44, II Floor, NandJyot Indl. Estate, Kurla-Andheri Road, Safed Pool, Sakinaka, Mumbai - 400 072 Tel:022-28512635/ 28512704/ 28590332/ 28590969/ 28593974/ 56914412 Fax:022-28518690/ 28590285 Email:devutool@bom2.vsnl.net.in www.devutools.com Contact: Mr.D.M.Sheregar, MD Products: Manufacture & Exporters of Moulds & Dies for PVC Pipe Fittings, Electrical Conducts, SWR, Fittings, Industrial Items & Consumer Products. ISO 9001 CERTIFIED</p>
67	<p>DIETECH INDIA LTD 348/172, Pilliar Koli Street, Manapakkam, Chennai - 600 116 Tel:044-22520673/22521802/ 22521253 Fax:044-22522254 Email: dietechindia@vsnl.net www.dietechindia.com Contact: Mr.Durairajulu, DGM Mr. Prabhakaran- Proprietor Products: Die Casting Dies, (PDC, GDC 7 LPDC)</p>	68	<p>DEL CAM SOFTWARE INDIA PVT LTD C-10, 'Rishi' Varsha Park, Baner Road, Aundh, Pune - 411 045 Tel: 020-7293333 to 37 Fax: 020-4004898 Email:delcam@vsnl.net or vseth@delcam.com Contact: Mr. Vineet Seth, MD Products: CAD/CAM Software, Reverse engineering through to modeling strong 3 & 5 Axis Matching to inspection. A Unique Engraving Solution for Jewellery Industry. Dedicated Software for shoe</p>
69	<p>DATA TO STEEL SOLUTIONS 107B, 1st floor, Tejpal Ind. Estate, 'B' Bld. Behind Lathia</p>	70	<p>DINESH HARDWARE MART C/o. M. Shah & Co.311, Kanji Mansion, 1st floor, S.V.P. Road,</p>

	<p>Rubber, Saki Naka, Mumbai - 400 072 Tel: 022-2851 0922 Telefax: 022-2851 1957 Email: info@data2steel.com Contact: Mr. Edsel Vaz-Business Manager Products: CAD/CAM Sales and Support-Cimatron CAD CAM Services, Engineering Services</p>		<p>Nr. Alankar Cinema, Opp: 6th Khetwadi, Mumbai - 400 004 Tel: 022 23865301/84898 Fax: 23805302 Email: dinhard@vsnl.net Contact: Mr. Nitin A. Doshi Proprietor Products: Dealers of Tool & Alloy Steel/Graphite/Barraliam Copper/Plastic Injection Mould/Copper/ Aluminum etc.</p>
71	<p>DELITE ENGINEERS PVT LTD 935/ 1& 2, GIDC, Dist. Vadodara, Waghodia - 391 760 Tel: 02668 - 262158/ 262433 Fax: 02668- 262750 Email: deliteengg@rediffmail.com www.deliteplasticmould.com Contact: MR. Girish M Sonawala, Mr. Dinesh Shetty, Mr Tauqeer Siddqui - Director Products: Manufacturing of Plastic Injection Moulds & Machining of Precision components & Moulds core & cavity</p>	72	<p>DANKEL TECH 820/7, Shrikrishna Kunj Bhandarkar Institute Road Pune - 411 004 Tel: 020-5654668 Fax: 020-24394328 Email: dankel@vsnl.com Contact: Mr. J.G. Kelkar-Partner Products: Mfg. Of Plastic Injection Moulds and Moulded components.</p>
73	<p>DEEP PLASTIC INDUSTRIES 404, Patel Niwas, Sainath Road, Malad(W) Mumbai - 400 064 Tel: 022-39505766 Fax: 022-28659217 Email: email:dipen@deepplastic.com Contact: Mr. Dipen K. Parekh-Proprietor Products: Manufacturing of Injection Mould, Blow Mould, Jigs & Fixtures, Specialized in Multi-cavity Moulds like Ball Pen, Perfumery and Cosmetic Moulds.</p>	74	<p>DESIGN CRAFTS No.63/1, 4th Main, 3rd Phase Peenya Indl. Area, Bangalore - 560 058 Tel: 080-28399600 Email: designcrafts@rediffmail.com Contact: Mr.B.M. Dhanyakumar-Partner Products:5 Axis Machining, Die and Mould activity</p>
75	<p>DULOCOS CONVEYORS AND MOULDS PVT.LTD. D-21, MIDC, Industrial Area, Nagpur - 440 028 Tel: 07104-237622/236818 Fax: 07104-237522 Email: info@dulocos.com/dulocos_ngp@sancharnet.in Contact: Mr. S.F. Husain-MD Products: Complete tool room facilities with machines like CNC Vertical Machining Center (DMG V63) CNC Wire cut, EDM (4axis) Spark Erosion, EDM, CNC Punch Press. All types of Plastic Moulds, Injection, Thermoforming, Vacuum forming Moulds, Sheet Metal Pressed</p>	76	<p>DESIGNCELL CAD/CAM SOLUTIONS 8,Trivedi Niwas, New Nagardas Road Andheri(E), Mumbai-400 069 Tel: 022-28256599 Fax: 022-28378478 Email:designncell2001@vsnl.net Contact: Mr.Sunil Desai, Director Products: Mould designs: Industrial, Automobiles, White goods & Plastic articles, 3 Modeling, Deep drawing article & die design. Gravity & Pressure cast dies,</p>

	Parts.		
77	<p>DYNASCAN INSPECTION SYSTEMS & COMPANY No.39(P)/1, Phase II Hosur Road Electronic City Bangalore - 560 100 Tel: 080-4110 2949 Fax: 080-4110 2949 Email: dynascan@vsnl.com Contact: Mr. Arun Kumar, Managing Partner Products: Manufacturer of Profile Projectors: Dynascan Projectors Range from compact table top models to versatile, Heavy duty units; covering all conceivable applications. 2. Design optimization of lighting and optics through total in-house CAD capability, Provides brilliant images of exceptional quality 3. Dynascan Projectors set the standard international quality.</p>	78	<p>DUTTA & DASGUPTA P 744 Block-A, Laketown, Kolkatta - 700 089 Tel: 033-25219285 Fax: 033-25214107 Email: doubled@cal.vsnl.net.in Contact: Mr. A.K. Dutta-Partner Products: Manufacturer and Exporter of Press Tools, Jigs & fixtures, Pressed Sheet Metal parts, Special purpose Machineries. Design and drawing CAD/3D model.</p>
79	<p>EASTERN ENGINEERING COMPANY 113A, Bommasandra Indl. Area, Anekal Taluk, Bangalore - 562 158 Tel: 080-6436283 Fax: 080-6633996 Email: eastern@eecblr.com or bangalore@eastern-engineering.com Contact: Mr.R Jagdish, Partner Products: Jigs, Fixtures, Toolings, CNC Machining, sub-assemblies & special purpose machines</p>	80	<p>EMPIRE MACHINE TOOLS MCAT DIVISION Empire House, Ground Flr, 414 Senapati Bapat Marg, Lower Parel, Mumbai - 400 013 Tel: 022-24937340/ 24973184 Fax: 022-24962380 Email: empiremt@bom3.vsnl.net.in Contact: Mr. P N Rao - Director Products: Hardinge American Make, Vertical Machining Centre Model 600 II; Offers superior performance reliability & accurate machine for die & mould machining. Also for machining of one-off pieces small series production</p>
81	<p>EDELSTAHL AGENICES PVT LTD Joana Park, Kandarpada Cross Road, Dahisar (W), Mumbai - 400 068 Tel: 022-28930141/ 28929136 Fax: 022-28937553 Email: edelstah@bol.net.in Contact: Mr.K V R Unni, MD & Mrs. Lily Unni, Executive Dir. Products: High Speed Steel Sheets & Bars, Hot Work Tool Steel Bars & Sheets, Cold Work Tool Steel Sheets & Bars, plastic mould steel Bars, Constructional steel bars, martensitic, stainless sheets & bars. Duplex steel sheets & bars etc</p>	82	<p>ELECTRONICA MACHINE TOOLS LTD. Elektra Chambers, 44 Mukund Nagar, Pune - 411 037 Tel: 020-4272013 Fax: 020-4270891/7891 Email: elektra@vsnl.com Contact: Mr. S Thyagarajan, President Products: 1. Mfr. Of EDM, CNC EDM, CNC Wire cut EDM, CNC Lathes, and Plastic Injection Moulding M/c. 2. Agent for Machining centers, CMM Milling machines, surface grinders etc from overseas.</p>
83	<p>EMPIRE MACHINE TOOLS - Metal Forming Testing & Metallurgical Division (MFTM)</p>	84	<p>ELRKE INDUSTRIAL ENTERPRISES (Tool Room Division) 112/44, Doddanna Ind. Estate, Near</p>

	<p>Empire house, 414 Senapati Bapat Marg, Lower Parel, Mumbai - 400 013 Tel: 022-24934170 Fax: 022-24935363 Email: emt.hos@axcess.net.in Contact: Mr. K Srinivasan Products: Marketing of Import Equipment for Metrology & Testing</p>		<p>Peenya II Stage, Iswaneedum Post, Bangalore - 560 091 Tel: 080-8360827/ 8360838 Fax: 080-8360838 Email: elrke@vsnl.com Or elrke@hotmail.com Contact: Mr.T K Kini, Managing Partner Products: Press Tools, CNC Machining</p>
85	<p>ELECTRO PLASTS PVT. LTD No.16B, KIADB Indl. Area, Kumbalgudu, II phase, Kengeri Hobli, Big Baniyan Tree Rd. Off Mysore Road, Bangalore - 560 074 Tel: 080-28437011/12 Fax: 080-28437010 Email: ceo@electroplasts.com www.electroplasts.com Contact:Mr.B R Maha Bhanu, MD Products: Mftrs of press tools, high precision plastic injection moulds, enclosures for plastic cabinets for elec. industries jigs, fixtures, components (125 - 2000 tons) Injection moulds and component 63 - 1000 tons. Press tools & components 25 ton</p>	86	<p>ENGLISH TOOLS & CASTINGS(P) LTD (Die casting injection moulding division) 100/1 A, Pollachi Main rd, Thamaraikulam Post, Kinathukadavu, Via Pollachi Coimbatore - 642 109 Tel: 04259-242756 Fax: 04259-242760 Email: englishtools@eth.net Contact: Mr. K.Janardhanan-MD Products: Aluminum and Zinc Pressure Die casting dies</p>
87	<p>EQIC DIES & MOULDS ENGINEERS PVT LTD Plot no. 9 & 10B, IV Phase Extn, Ida Jeedimetal, Hyderabad 500 055 Tel: 040-23097043/23098500 Fax: 040-23096616 Email: srinivas@eqicindia.com / eqicinda@hd2.dot.net.in Contact: Mr.Srinivas Kavali MD Products: Standard Mould Base - injection moulds and die casting dies, ISO 9001 Company</p>	88	<p>EUC TECH 52A, (old No.4), 2nd Avenue Ashok Nagar, Chennai - 600 083 Tel: 044-42065044 Fax: 044-42134834 Email: sraghavan@euctech.com www.euctech.com Contact: Mr.S Srinivas Raghavan Products: CAD CAM Software solutions for Mould & die & aerospace application products, solidcam, fast blank, fast form, "Solid CAM" Distributors for "SAARC" Region</p>
89	<p>ELTA TOOLS & DIES K 15, Ambattur Indl. Estate, Ambattur, Chennai 600 058 Tel: 044-26255942/ 26248279 Fax: 044-26359144 Email:eltaelta@rediffmail.com www.eltatoolsanddies.com</p>	90	<p>ESTEEM INDUSTRIES 780/1B2B 1,Chennai Bangalore Highway, Kuthambakkam Village Thiruvallur District Chennai - 602103 Tel: 044-26811992 Fax: 044-26811991 Email: ei@esteemindustries.com Contact: Mr.J Muruganandhan, Proprietor Products: Plastic Moulds, Pressure Die Casting Dies, Plastic Injection Moulded Components</p>
91	<p>ESCHMANN TEXTURES INDIA 37C, Govt. Indl. Estate, Charkop Kandivali(W), Mumbai - 400 067 Tel: Tel; 022-28672452</p>	92	<p>EDCO STEELS Unit No.5, Bldg. No.6, Mital Ind. Estate, Andheri Kurla Rd. Mumbai - 400 059 Tel: 28500680/28500775</p>

	<p>Fax: 022-28682870 Email: anmotwani@eschmanntexturesindia.com Contact: Mr.A. N. Motwani, MD Products: Mould Texturing & Photo Etching</p>		<p>Fax: 28501890 Email: edco@vsnl.com Contact: Mr. Dawood Karu-Partner Products: Traders JN Special Alloy Steels, Tool Steels & M.S. Profiles.</p>
93	<p>EXPERT SOLUTIONS(I) PVT.LTD C-263, MIDC Area, MIDC Main Road, Near More Chowk, Waluj Aurangabad - 431 136 Tel: 0240-2553252 Fax: 0240-2553392 Email: sachinkher@expertind.com Contact: Mr. Sachin Kher, Dir. Products: UGS-reseller for Solid edge/UG/IDEAS Group Company-Solid edge Voyages Member Engineering services, Design automation. IT Solutions/ERP</p>	94	<p>ELECTRO OPTICAL SYSTEMS(EOS GmbH India Br) Flat No.5, Arulambal Street, T. Nagar, Chennai - 600 017 Tel: 044-28158794 Fax: 044-28158795 Email: p.anand@eos.info Contact: Mr. Prakasan Anand-Country Manager Products: Sales & Service of Laser Sintering based Machines used for production of complex plastic core & cavity. Automatic production from a CAD Data</p>
95	<p>FAL INDUSTRIES LTD No.40 Panchayat Rd, Kadanchavadi, Perungudi Post, Chennai - 600 095 Tel: 044-24960729/182 Fax: 044-24960158 Email: fal@falindia.com OR annamalai@falindia.com www.falindia.com Contact: Mr.S.Annamalai, Asst. Manager- Business Development Products: Manufacturers of Precision Press Tools, Moulding tools (Precision die-casting, Engineering Plastics) Jigs & Fixtures, Precision pressed sheet metal parts.</p>	96	<p>FORMS & GEARS L3, Industrial Estate, Guindy, Chennai - 600 032 Tel: 044-22341860 Fax: 044-22330280 Email: forms&gears@eth.net Contact: Mr. Reji Varghese - Proprietor Products: Manufacturers of Jigs, Fixtures, Press tools and Special purpose machines etc.</p>
97	<p>FRAMATROME CONNECTORS OEN LTD. Regional Tooling Centre Thiruvaniyoor, Puthencruze PO Kochi - 682 308 Tel: 0484-2713014 Fax: 0484-2711892 Email: george.varghese@fciconnect.com www.fciconnect.com Contact: Mr.P George Varghese MD Products: Products: Mfg. of multipoint connectors for telecom, defence and space and Automotive groups, value added Business (cable assembly, PC board assembly etc Mfgr. Of tool and die for connectors)</p>	98	<p>FILTRUM TOOLS & COMPONENTS PVT. LTD Design Center, 265/1 Baner Rd., Near Citizen Co-operative Bank, Pune - 411 045 Tel: 020-27271604/5 Fax: 020-27291601 Email: k.a.kaboor@filtrumtools.com Contact: Mr. Anil Khandekar-MD Products: Tool Design and Manufacturing for Plastic, Sheet Metal PU and Die Case Components and Part Supply Part modeling using F Pro-E, IDEAS.</p>
99	<p>FINE DIES & MOULDS (I) PVT LTD B-41, Pavana Indl. Estate, T-204, MIDC, Bhosari, Pune - 411 026 Tel: 020-7128107, 7110797 Fax: 020-4111227</p>	100	<p>FERROCARE INTERNATIONAL 23-25, Gulmohar Kubera Indl. Complex, Salunke Vihar Road, Wanawadi, Pune - 411 040 Tel: 020-26836055 Fax: 020-26832620</p>

	Email: vishfine@vsnl.com Contact: Mr Laxmikant R Kirad MD Products: Manufacturer of plastic injection moulds, PDC Dies, Press Tools, Rubber moulds		Email: ferrocare@vsnl.com Contact: Mr. S.G. Navgaonkar- Manager Sales Products: Represent: 1. Nachi Make-High Speed Steel, NPRI, MDF Series 2) Noritake make-Abrasive Products 3) Jaiko make-Refractories 4) Enerloy make-Nozzles 5) Freebear make-Ball transfer units
101	FRANKE INDIA PVT.LTD. 211, Turf Estate, 2nd floor Mumbai - 400 011 Tel: 022-24919557 Fax: 022-24961760 Contact: Mr.R.C.Prem,Works Mgr Products: 1.Manufacturing and Sale of Stainless Steel Kitchen Sinks & accessories 2. Export of accessories 3. Trading of Imported sinks.	102	FINE TOOLS No. 449 P, 4th Phase KIADB Industrial Area, Peenya, Bangalore - 560 058 Tel: 080-28363666/ 28360453 Fax: 080-51170471 Email: finetools@touchtelindia.net www.finetools.org Contact: Mr.T P Kallesh, CEO Products: Manufacturer of Plastic Injection Moulds, Moulding Components and sub-assemblies
103	FINE COMPONENTS & TOOLS PVT. LTD. 110H, Bommasandra Indl. Area, Bangalore - 560 099 Tel: 080-7834626/666 Fax: 080-7834266 Email: fct@vsnl.net Contact: Mr. K. Gopinath, MD Products: 1.Design & Manufacture of Press Tools (Captive Tool Room and Tool Steel HGAT Treatment facility) 2. Manufacture of Sheet Metal Pressed Parts.	104	FINE BLANKING PVT.LTD. 27, Ashok Van Gokul Road, Hubli - 580 030 Tel: 0836-2334990 Fax: 0836-2334991 Contact: Mr. Rahul Khobare, Dir. Products: Manufacturing of Fine Blanking Components, Tools, Dies
105	FALCON TOOLINGS 66A, Venkitaswamy Nagar, Atthipalayam Road Ganapathy, Coimbatore - 641006 Tel: 0422-2531062 Fax: 0422-2531062 Email: falcontools@sify.com Contact: Mr. S. Soundararajan Products: CNC M/C, Tool holders collet chucks, Side Lock holders, Face Mill Arbors, Morse	106	FERROMATIK MILACRON INDIA LTD 92, Phase-I, GIDC, Vatva, Ahmedabad - 382445 Tel: 079-25890081/0133 Fax: 079-25830125 Email: sales@fmi-ahd.com www.milacronindia.com Contact: Mr. Narasinh Krishna Balgi-President & Director Products: Manufacturers of Plastics processing machinery viz injection Moulding & Blow Moulding machinery
107	GOVEL PLASTICS PVT. LTD 23 Developed Plot, Guindy Industrial Estate, Chennai - 600 032 Tel: 044-22343123 Fax: 044-22342505 Email: covelasi@md3.vsnl.net.in Contact: Mr. K Bhasker, Dir. Products: Automobile, Electrical, Electronic, Medical	108	GUJARAT TOOL ROOM LTD 37B, Phase - I, GIDC, Vatva, Ahmedabad - 382 445 Tel: 079-5830117/ 5891962 Fax: 079-5835088/ 5468728 Email: gtl@kinariwala.com or npk@kinarkwala.com www.kinariwala.com Contact: Mr.S N Kinariwala,CMD Products: Precision Injection Moulds and Moulded Components

	& Commercial Storage Plastic Products		
109	GODREJ & BOYCE MFG. CO. LTD - Tool Room Division Plant No. 7, Pirojshah Nagar, Vikhroli, Mumbai - 400 079 Tel: 022-67962751 Fax: 022-67961523 Email: alok@godrej.com Contact: Mr. Alok Chakravarty Products: Press Tools, Automobile Panel Tooling, Lamination Dies, Plastic Injection Moulds, Gas Injection Moulds, Pressure Die Casting Dies	110	GENERAL INDUSTRIAL CONTROL PVT LTD T-107, MIDC, Bhosari, Pune - 411 026 Tel: 020-7122441/2/3 Fax: 020-7122574 Email: gic@pn2.vsnl.net.in www.gicindia.com Contact: Mr. Anil B Khadilkar, Sr. Manager Products: Electro Mechanical & Electronic Timers, Time Switches, Hour Counters, Motor Protection & Relays & Panel Accessories
111	GOVT. TOOL ROOM & TRAINING CENTRE (An Indo-Danish Project) Plot No.93-94, Belagola Indl. Area, KRS Road, Mysore 570 016 Tel: 0821-510097/410750 Fax: 0821-410851 Email: gttcm@mailcity.com/ gttcmysore@mailcity.com www.indodanish.com\gttcbn Contact: Mr.N.R.Yashavantha Rao - General Manager Products: Design manufacturer and supply of injection moulds, pressure die casting dies, press tools, jigs & fixtures blow moulds, machining of precision components.	112	GIRDHARILAL AGRAWAL & CO. 302, Vikas Bldg, 11 Bank Street, Mumbai-400 001 Tel: 022-2660928/ 2663130 Fax: 022-2641749/ 2663224 Email: grakesh@vsnl.com Contact: Mr. Rakesh Agrawal/ Ms. Shikha Munim Products: Authorised Stockists of Mahindra Ugine Steel Co. Ltd and Japanese Dies Steels
113	GLOBAL TOOLS INC 504, Bharat Chambers Co-op. Soc Plot No.52-C, Baroda Street, Masjid, Mumbai - 400 009 Tel:022-3738521/3742111/ 4018782 Fax: 022-3742110 Email: scscrane@bom3.vsnl.net.in www.globaltoolsinc.com Contact: Mr. Sanjay Vijan, MD Products: Importers & Stockists of CNC cutting tools, carbide tools, polishing equipment etc. Carbide tools -SGS Tool Co. USA, HSS Tools - IZAR Spain	114	GOLDEN ENGINEERS C/213 Synthofine Estate, Opp. Virwani Indl. Estate, Gate No.3, Off: Aarey Road, Goregaon (E), Mumbai- 400 063 Tel: 022-28756655 Fax: 022-28771272 Contact: Mr. Yogesh D Vora Products: Vaccum Hardening Tempering Services to Most of the tool/mould/die/steel industries
115	GOEL STEEL COMPANY 89 A MTH Road, Ambattur, Chennai - 600 058 Tel:044-26254814/26247034/ 26258583 Fax: 044-26254707 Email: gsc@eth.net www.goelsteels.com Contact: Mr.Pankaj Goel, Dir. Products: Tool Steels, Raw Metal- importers and stockist	116	G PLAST (P) LTD Gopal Bagh, 1065 Avinashi Rd, Coimbatore - 641 018 Tel: 0422-2213439 (5 lines) Fax: 0422-2212760 Email:psmenon@gplast.com www.gplast.com Contact: Mr.P Sukumaran Menon Chief Executive Officer Products: One stop shop for various engineering services comprising of a) design services including rapid prototyping b) tooling injection

			moulds, die-casting dies, c) precision machinery on CNC milling & CNC lathes, (d) injection moulding
117	GIANT IMPEX C 146, Focal Point, Phase-V, Near Dry Port, Ludhiana - 141 010 Tel: 0161 5025667-668 Fax: 0161-2672007 Email: info@giantimpex.com Contact: Mr. Virat Dhingra Products: Importer/Exporter of Alloys, Tools & Die Steels, Machining Cutting Tools etc.	118	GERARD ELECTRIC INDIA PVT.LTD. Rakhial Road, Ahmedabad 380 023 Tel: 079-2782623/4/5 Fax: 079-2779560 Email:vinayak@gerardindia.com Contact: Mr. Vinayak Hegde-Manager - Tool Room Products: LT Switchgears, Minicircuit Breaker, MCB and other electrical products
119	GOWRI MOULDS & DIES A-44, Nand Jyot Indl. Estate Safed Pool, Saki Naka, Mumbai - 400 072 Tel: 28512704/28590332 Fax: 28518690 Email:devutool@bom2.vsnl.net.in Contact: Mr.D.M. Sheregar-MD Products: Moulds & dies, of PVC-CPVC, PP,ABS & SWR Pipe fittings, Electrical Conduits, Cps & Closures, Engineering, Automobile parts, battery & consumer products.	120	GLASTRONIX Plot No. 21-E2, II Phase Peenya Industrial Area, Bangalore - 560 058 Tel: 080-28395924/6268 Fax: 080-28397224 Email: info@glastronix.com Contact: Mr.K.T Purushothaman Products: End User for Press Tools, Moulds & manufacturer of Sheet Metal fabrication.
121	GOKUL METALS AND ENGINEERING P.LTD. SP-99, Southern Avenue Road, Ambattur, Chennai - 600 058 Tel: 044-26357894 Fax: 044-26255132 Email: gokulmetals@vsnl.com Contact: Mr.K.R.Padmanabhan MD Products: Authorised stockists for High Grade Tool Steels of:l.M/s. Bohler International, GmbH/Austria 2.Dorrenberg Edelstahl, GmbH/Germany	122	GKDITR TOOLING CENTRE Sangothipalayam, Arasur, Coimbatore - 641 407 Tel: 0422-2360826 Fax: 0422-23604020 Contact: Mr.Banuprasad Manager Products: Manufacture of Injection Moulds, PDC Dies and Press Tools
123	GLAXION TECHNOLOGIES # 59, 2nd Main, 60 Feet Road Sampige Layout, Vijayanagar Bangalore - 560 079 Tel: 080-23586432 Email: adavesh@glaxion.net www.glaxion.net Contact: Mr. Adavesh Magdum-CEO Products: Designing of Press Tools, Moulds & Jigs & Fixtures, CAD Conversions, Modelling & technical consultancy	124	GOLDWYN LTD Plot No.15&16, Noida Special Economic Zone, Noida - 201305 Tel: 0120-2568537/39 Fax: 0120-2568105 Email: agoel@goldwynindia.com www.goldwynindia.com Contact: Mr. Ajay Goel-CEO Products: Manufacturers of Press Tools, Plastic Moulds and all types of assemblies to fit as per customer design
125	HORIZON INDUSTRIALPRODUCTS PVT LTD. 80, Daryaganj, New Delhi-110 002 Tel:011-23270216/66/ 32767/11 Fax: 011-3283076	126	HI TECH CNC MARKETING & SERVICES Old No.56E/New No.49, SIDCO Industrial Estate, Ambatur, Chennai - 600 098 Tel: 044- 42080506/7 Fax: 044-42080509

	<p>Email: horizon11@vsnl.com www.indianauto.com.bluepeter Contact: Mr. A K Kaul Products: Stamping Tools/Dies, CAD Tool Design, Tool Accessories, Sheet Metal Fabricated Components/ Assemblies Car Jacks & other engineering items</p>		<p>Email: info@hiteknc.com Contact: Mr.P Nagappan, Chief Executive Products: Tool Room Machines, New/ Second Hand VMC CNC, Milling EDM Grinding CNC, PCB Services</p>
127	<p>HASCO INDIA (Branch of Hasco Singapore (P) Ltd) 2-C-413, OMBR Layout Banaswadi M.S. Nagar, P.O Bangalore - 560 033 Tel: 080-5457113 Fax: 080-5481489 Email: hascoind@bgl.vsnl.net.in Contact: Mr.Sonichen P V/ Mr. Santosh K K Products: Standard components for injection compression and die casting moulds including hot runner systems, std. components for press tools as well as other tools including jigs and fixtures</p>	128	<p>HYDERABAD DIES & MOULDS Plot No. 46, Sri Venkateshwara Indl. Area, Balanagar, Hyderabad- 500 037 Tel: 040-23778463 Fax: 040-23771605 Email: rkhd@rediffmail.com Contact: Mr.P Rajan Proprietor Products: Manufacturing of Pressure die casting dies, injection moulds, press tools, precision engineering plastic components</p>
129	<p>HINDUSTAN EXPORT & IMPORT CORPN. PVT LTD Anand Bhavan, 348, Dr.D N Road, Fort, Mumbai - 400 001 Tel: 022-22043885/86 Fax: 022-22874021 Email: head_office@hei.co.in Contact: Mr. Kapil Grover MD Products: Mktg Precision Machine Tools including Yamazaki Mazak CNC Horizontal & Vertical Machining Centers SNK Ultra High Speed 5 Axis Simultaneous: Gantry Type Machining Centers</p>	130	<p>HINDUSTAN PLASTIC AND ENGG. TOOLS No.20, Allapakkam Road, Maluravovial, Chennai-602 102 Tel: 044-55519924 Contact: Mr. E Gnanasambandan Products: Tool room, design and manufacturing special purpose machine, jigs and fixtures plastic and rubber mould</p>
131	<p>HRITHIK TOOLS PVT. LTD. EL-37/4J Block, MIDC, Bhosari Pune - 411 026 Tel: 020-7111871/2 Fax: 020-4111701 Email: mkt@hrithiktools.com www.hrithiktools.com Contact: Mr. Durgesh Mittal MD Products: Cutting Tools, S/C, HSS Resharpending & Manufacturing</p>	132	<p>HITECH ENGINEERS S-2, MIDC, Bhosari, Pune - 411 026 Tel: 020-27111585/27110135 Telefax 020-27110135 Contact: Mr. R.R. Gera-Partner Products:i) CNC Machining of Sheet Metal Dies/ Injection Moulding Inserts/ G D C Dies & (ii) Reverse Engineering</p>
133	<p>HINDUSTAN MOULDS & DIES 45-D/3, Third Street, Sivanandapura, Coimbatore-641 035 Tel: 0422-2666392 Fax: 0422-2666823 Email: hindustan-dies@eth.net Contact: Mr. P. Chami-Partner Products: Design, Production & Marketing OF Press Tools & Dies</p>	134	<p>HOTSET INDIA PVT.LTD. No.3B, Phase II, KIADB Industrial Area (Off Mysore Road), Kumbalgotu, Bangalore - 560074 Tel: 080-28437272 Fax: 080-28437090 Email: hotsetindia@hotmail.com Contact: Ms. Radha-Executive Secretary Products: Manufacturing Indl.</p>

	& Manufacture and Marketing of Die castings and Pressed Components		Heating elements & temperature controller
135	<p>HOYT ENGINEERING SOLUTIONS PVT.LTD. Nirmal House, P-104, D-11 Block Chinchwad, Pune-411 019 Tel: 020-27488381 Fax: 020-27488382 Email: hoytindia@vsnl.net www.hoytindia.com Contact: Dr.Sunil S.Patil, Dir Products: Product design & performance simulation tooling & development. Stress vibration analysis etc. for automotive & consumable durable parts. Reverse engineering jigs & fixtures & gauging design, electrode planning & CNC programming services are also offered</p>	136	<p>HIGH PROFILE ENGINEERS Unit II, No.11, M.T.H. Road, Ambattur, SIDCO Estate, Chennai - 600 098 Tel: 044-26250292 Fax: 044-26250292 Email: highprofileeng@yahoo.co.in Contact: Mr. N. Thanigaivelu-Proprietor Products: CNC Wire Cutting job works and Tool & Die making (Specialized in Precision Plastic Injection Mould)</p>
137	<p>INDO GERMAN TOOL ROOM Plot No. 5003, Phase IV, Mehmedabad Road, Vatva, Ahmedabad - 382 445 Tel: 079-25841960/ 61 Fax: 079-5841962/ 1813 Email: igtr-ahd@yahoo.com Contact: Mr. V.S.Swadia, GM Products: Plastic Moulds, Press Tools Die Casting Dies, jigs & fixtures, Gauges etc. Long term & Short term Training in Tool & Die making</p>	138	<p>INDO GERMAN TOOL ROOM No. P-31, MIDC, Chikalhana Indl. Area, Aurangabad 431 210 Tel: 0240-2486832/ 2470541 Fax: 0240-2484028 Email: gm@igtr-aur.org www.igtr-aur.org Contact: MR. H.D. Kapse, GM Products: Design and Mfgr. of Injection Moulds, Press Tools, Die casting dies, jigs & fixtures, gauges & precision machined components. Consultancy services for tooling. Long-term courses in the areas of tool & die technology</p>
139	<p>IRIS DEVELOPMENT ENGG. APPLICATIONS PVT LTD 83, Sengundram Road, Singaperumal Koil, Chinglepet District Chennai 603 204 Tel:04114-263002 ~ 4 lines Fax: 04114-2630001 Email: ak@irisdeal.com www.irisdeal.com Contact: Mr.A Karthick, Adviser Mr. Joshua Janakiraman - Controller Commercial or Mr. V M Sundaram - Mgr. Services Products: Design & Prototypes, Tools & Dies Stampings, Design, Manufacture & supplies of various large and intricate 3D sheet metal stamping dies and also manufacturers of Fixtures for refrigerators, PUF doors and cabinet forming</p>	140	<p>INDUSTRIAL PUNCHES RABOURDIN PVT LTD 29, DIA, P B No. 4816 Mahadevpura post, Bangalore - 560 048 Tel: 080-8524251/ 4500 Fax: 080-8540153 Email: info@industrialpunches.com Contact: Mr. Someshwar Products: Manufacturing and trading of punches, ejector pins and allied products joint venture with French Firm Rabourdin Industries Paris for Exports and Imports</p>

141	INDOBEL STEELS PVT. LTD 305, Business Point 349, Western Express Highway Andheri(E), Mumbai - 400 093 Tel: 022-55513528 Fax: 022-55049560 Email: asok.ghosh@indobel.net Contact: Mr. Asok Ghosh-Regional Sales Manager Products: Deal in Mould Tool & Die Steel(Imported)for supply of Sawn Bars to Various TRs	142	INCITE CAM CENTRE A-12-1, 1st Main Road, II Stage, Peenya Indl. Area, Bangalore - 560 058 Tel: 080-57684293 Fax: 080-57684293 Email: incite@vsnl.com Contact: Ms. Radhika, Chief Executive/ Ms. Hema Malini K R - Chief Op. Products: CAD/CAM services and training - product design and manufacturing, CNC prg. and Machining prototype development: using software pro/engineer, mastercam and cimatron.
143	INTEGRATED CAD CAM SOLUTIONS 224, Hindustan Kohinoor Indl. Complex, LBS Marg, Vikhroli(W) Mumbai - 400 083 Tel: 2578463, 5596910 Fax:022 - 55969101 Email: ics@bom7.vsnl.net.in Contact: Mr.Bharat Samant, Dir. Products: Providing CAD/CAM Services on PRO/ Engineer for Product Design, Develop, Tool Design & NC prg. for Plastic moulds, die casting dies & sheet metal components. Also undertake cnc machining, reverse engg. & training	144	INDO GERMAN TOOL ROOM 291/ B-302/A, Sector - E, Indl. Area, Sanwer Road, Indore - 452 003 Tel: 0731-721394 Fax: 0731-720353 Email: mmsharma@yahoo.com Contact: Mr. M M Sharma, GM Products: Products: Design & Mfg. of Press tools, injection moulds, blow moulds, from fill & seal moulds, blow fill & seal moulds, jigs & fixtures, job work on precision jig boring machine, cnc lathe, cnc milling cnc wire cut, cnc edm & heat treatment. Training of Manpower
145	IYKOT HITECH TOOL ROOM LTD 3, Elcot Avenue, Sholinganallur, Chennai - 600 119 Tel: 044-24500858 Fax: 044-24501872 Email: iykot@vsnl.net www.hitechtoolroom.com Contact: Mr. S Iyempandi, MD	146	IMEXSU (INDIA) 6/A, Vaibhav Indl. Estate, Sakivihar Rd, Powai, Mumbai - 400 072 Tel: 022-28570339/ 0445 Fax: 022-28574829 Email: info@imexsu.com Contact:Mr. Pravin Panchal - Proprietor
147	INDO -US MIM TEC PVT.LTD. 45(P), KIADB Industrial Area Hoskote, Bangalore - 562 114 Tel: 080-7971533/7971623 Fax: 080-7971624 Email: ajeet.khare@mimindia.net www.mim-india.com Contact: Mr. Ajeet Khare, MD Products: Prg. of parts of Highly complex geometrics with precision through metal injection moulding	148	INTEGRATED TOOLING SYSTEMS PVT LTD 7/26, A.C.Pudur, Kottaipalayam, Coimba tore - 641 110 Tel: 0422-2654260 Contact: Mr.R Soundararaj, MD Products: Manufacturers of moulds for plastic & auto injection moulds and fixtures
149	INTERPLEX ELECTRONICS INDIA PVT.LTD # 89A, Electronics City, Bangalore - 560 100 Tel: 080-28520536/37 Fax: 080-28520600	150	INSTITUTE FOR DESIGN OF ELECTRICAL MEASURING INSTRUMENTS Chunabhatti, Eastern Express Highway, Sion, Mumbai-400 002 Tel: 022-24050301/304 Fax: 022-24050016

	Email: interplex@vsnl.com Contact: Mr. K. Padmanabhan, CEO Products: Manufacturer of High Speed Stamping Tool & Tool Parts		Email: info@idemi.org www.idemi.org Contact: Mr. S.V. Rasal-Principal Director Products: Mfg. Press Tools, Moulds, Die Casting Dies, Jigs, Fixture, Critical Components, Precision Jobs
151	INDUSTRIAL TOOLING SYSTEMS 214, New Tiny Sector, Ambattur Indl. Estate, Chennai - 600 058 Tel: 044-26232957 Fax: 044-26256524 Email: itsramesh@vsnl.net Contact: Mr. D. Ramesh-Managing Partner Products: Manufacturing & Trading of Standard Elements for Moulds & Press Tools	152	IONBOND COATINGS PVT.LTD. F-11 Block, Plot No.48MIDC, Pimpri Pune - 411 018 Tel: 020-30621110 Fax: 020-27462392 Email: t.rumanath@ionbond.in Contact: Mr. T. Raghavan Products: Job work of 1)Titanium Nitride and chromium nitride coating (PVD) 2)Vaccum heat treatment, 3)Plasma ION Nitriding, 4)CVD Coating of TIC/TIN
153	JAIN IRRIGATION SYSTEMS LTD Jain Fields, N H No. 6, Plastic Park, Bambhori, Jalgaon 425 001 Tel: 0257-250011/22 Fax: 0257-251111/22 Email: jisl@jains.com OR agricul@bomb.vsnl.net.in www.jains.com Contact: Mr. Sunil Lodha Products: Micro Irrigation Products & Custom Moulded Products	154	JITECH BROTHERS E-606 Manish Park, Jijabai Rd Pump House, Mumbai - 400 093 Tel: 022-28202962 Fax: 022-28344276 Email: jitechbrothers@vsnl.com Contact: Mr. Jiten Shah, Partner Products: Dealers of EC-45, EB Series & MS Plate, WPS, OHNS, P-20, Ejector Pin & HSS Punches, shaped & Ground plates, mould base & pillar die sets.
155	JYOTI CNC AUTOMATION PVT.LTD. G-506, Lodhika G.I.D.C. Vill:Metoda, Rajkot - 360 003 Tel: 02827-287212/412 Fax: 02827-287480 Email: info@jyotient.com Contact: Mr. Mihir Bakshi Products: Manufacturer of CNC Vertical Machining Centers, CNC Turning Centers, Electric Turning Centers	156	JEKUMA TOOLS AND GAUGES PVT.LTD. A-19, H Block, MIDC, Pimpri, Pune - 411 018 Telefax:020-7472131/7473186 Email: jekuma@hclinifinet.com Contact: Mr. Ravi Jejurikar Products:Manufacturers of Jigs & Fixtures, Die & Moulds
157	JYOTI PLASTIC WORKS PVT LTD 94- Bombay Talkies Compound, Malad (West), Mumbai- 400 064 Tel: 28824448 Fax: 28820629 Email: krishna@jyotioplastics.com www.jyotioplastics.com Contact:Mr. Krishna Singh, Manager Tool Room & Mould Design Products: Mfg of Moulds for Engineering Plastics. Injection Moulding of Engineering Plastics	158	JAI HIND ENTERPRISES J-132J-132, Opp. Quality Ice Cream, MIDC, Bhosari, Pune - 411 026 Tel: 020-7122044 Fax: 020-7125968 Email: jaihindent@vsnl.net Contact:Mr. V Sugathan - Proprietor Products: i) Tool Mfg for Injection moulding m/c. ii) Mould Mfg
159	JAI MARUTHI TOOLS (Pvt) Ltd 2/1, 6th Street extn., Kamaraj Nagar, Korattur, Chennai - 600 080 Tel: 044-26243729	160	JBM AUTO COMPONENTS LTD. Nel House, Lado Sarai, Opp: Qutub Minar, New Delhi 110 030 Tel: 011-29522570

	<p>Fax: 044-26243729 Email: jaii@md4.vsnl.net.in Contact: Mr.S. Ilangovan-Senior Manager- operations Products: Manufacturers of Tools for cold forming, Hot forming & extrusion applications, Press Tools, Jigs & Fixtures, Machine spares and Special Tools as per customer requirement</p>		<p>Fax: 011-29521512 Email: hrsaini@jbm.co.in Contact: Mr. H.R. Saini, ED Products: Manufacturers of Press Tools and Dies, Jigs & Fixtures, welding fixtures, Bodyline fixtures, Sheet Metal Parts, Welded assemblies and exhaust systems</p>
161	<p>JBJ MACHINE TECHNOLOGIES PVT.LTD. F-43, Sector 8, Noida- 201301 Tel: 0120-2425180/1/2 Fax: 0120-2425186 Email: npswalia@jbjindia.com www.hotindia.com Contact:Mr. N.P.S. Walia, ED Products: Manufacturing of Press tools, plastic injection moulds fine blocking dies, powder compacting dies, 3D modeling & CAM services etc</p>	162	<p>KARNA SEAGA INDUSTRIES LTD 10/67, Indl. Area, Kirtinagar, New Delhi - 110 015 Tel: 011-25930650 Fax: 011-45407960 Email: Info@karnaseaga.com Contact: Mr. R. K. Sharma-Dy. Manager(Admn) Products: Commercial Tool Room, Moulds for Pressure Gravity Die Casting Dies</p>
163	<p>KALYANI MOULD BASE PVT LTD 14, Raju Industrial Estate, Penkar Pada Street, Nr. Dahisar Checkpost, Post Mira, Thane - 401 104 Tel: 022-28456637, 28456586 Fax: 022-28454592 Email: info@kalyanimouldbase.com www.kalyanimouldbase.com Contact: Mr. C H Balan Products: Mould Bases</p>	164	<p>KINETIC ENGINEERING LTD D-1, Block, Plot No. 18/2 Chinchwad, Pune - 411 019 Tel: 020-774301 Fax: 020-770563 Email: kellho@vsnl.com www.kineticindia.com Contact: Mr. S K Prabhune Products: Automobile Mfg industry, manufacturing mopeds, scooters, motor-bikes</p>
165	<p>K C TOOL ROOM PVT LTD J-141,MIDC, Bhosari, Pune 411 026 Tel:020-7126144 Fax:020-4114882 Email: kctoolrm@eth.net Contact:Mr.Ramesh Gupta, Dir. Products: CNC Machining of Dies and Moulds CAD/CAM services</p>	166	<p>KAIZEN PLASTOMOULD PVT LTD Punjab Foundry Compound, Unit No. 2, Mira- Bhayander Road, Bhaynder, Mumbai - 401 104 Tel: 022-28458992/8683 Fax: 022-28105797 Email: milton@satyam.net.in www.miltonindia.com Contact: Mr. Jeet Vaghani Products:Household, Thermoware industrial products</p>
167	<p>KUNSTOCOM (INDIA) LTD. B-129, SECTOR 2 Noida -201301 OR E-27, Defence Colony, New Delhi Tel: 0120-2521992 Fax: 0120-2553790 Email: amit@kunstocom.com Contact: Mr. Amit Arora Products: Design, Development & production of dies and moulds for injection moulding & production of plastic moulded components for engineering applications.</p>	168	<p>KOBASHI MACHINE TOOLS PVT LTD Plot No. 61/C, Road No, 15 IDA, Jeedimetla, Hyderabad - 500 055 Tel: 040-23191880 Fax: 040-23095501 E-mail: kkreddy_kobashi@rediffmail.com Contact: Mr. K K Reddy, Dir. Products: Manufacture of tooling, precision components sub-systems & gauges for Aero Space Industry</p>
169	<p>KENNAMETAL WIDIA INDIA Ltd 8/9th Mile, Tumkur Road,</p>	170	<p>KRS MACHINING TECHNOLOGIEIS PVT.LTD.</p>

	<p>Bangalore - 560 073 Tel: 080-8394321/ 22198352 Fax: 080-8394708 Email: sushilkumar.dadlani@kennametal.com Contact:Mr.S.K.Dadlani, Sr.GM Products: Widia Hard metal cutting tools, metal forming tools, mining tools & special purpose machines. Two sophisticated plants at Bangalore at Patanchru near Hyderabad</p>		<p>317, Suneja Tower II, District Centre, Janakpuri, New Delhi - 110 058 Tel: 011-25592414, 25592416 Fax: 011-25590658 Email: krsndo@vsnl.net Contact:Mr.K S Umra, Director Products:Charmilles CNC EDM & Wire cut EDM Machines, ACT Spark:CNC EDM & Wire cut EDM Machines Charmilles Engemaq: ZNC EDM Machines, CVE: Vacuum furnace & Electron Beam Welding Equipment ROEDERS TEC: High Speed CNC Milling Machines, OSTERWALDER: Presses for powder</p>
171	<p>KARTHIGEYA MOULDS & DIES PVT.LTD. Plot No. 46 & 47, SIDCO Industrial Estate, Thirumudiivakkam, Chennai 600 044 Telefax:044-24781359/24781804 Email: karthigeeya@vsnl.com Contact:Mr.N. Arumugam, Dir. Products: Manufacturing of Plastics Injection Moulds</p>	172	<p>KSHITIJA ENTERPRISES 15, J.C. Indl. Estate, Bikasipura Road, Yelchanahalli,P.O. Doddakallasandra, Bangalore - 560 062 Tel: 080-2665947 Email:kshitijal@vsnl.net Contact:Mr. Subhas Joshi-Managing Partner Products: Mould making, Press Tools and Jigs & Fixtures</p>
173	<p>KOWSKI TOOLINGS SP-30, 3RD Main Road, Industrial Estate, Ambattur, Chennai 600 058 Tel: 044- 2652271 Email: kowski@vsnl.net Contact: Mr. R. Mohanadoss-Proprietor Products: Manufacturing of Metal Cutting Press Tools & Pressed Components</p>	174	<p>K.A. SUPREME SPECIALTY METALS (INDIA) Pvt Ltd. A-2, 304, White House, 6th Main 15, Cross, R.T. Nagar, Bangalore - 560 032 Tel: 080-23630625 Email: raguram@kasupreme.com Contact:Mr. Raguram, Director Products:Marketing of Special grades of imported Plastic Mould Steels, Tool Steels, Forgings, Non-Ferrous Strip, Stainless Steel foils, Aircraft quality steels, Super alloys, Powder for Metal Injection Moulding. Export of Castings, Forgings, Gears</p>
175	<p>KAY DEE ENTERPRISES E-73,Sector-6, Noida Tel: 9811647493 Fax: 0120-4357655 Email: kanwar5@yahoo.com Contact: Mr. Kanwar Deep Singh-Partner Products:Tool Room Activities</p>	176	<p>K AR MOULDS 133, Raja Street Padi, Chennai - 600 050 Tel: 04-26548667 Email: karmoulds@yahoo.com Contact: Mr. S. Arunagiri Nathani-Proprietor Products: Precision Injection Moulds, Ruber Moulds and Servicing</p>
177	<p>KARTHICK INDUSTRIES 8A, Anna Ist Cross Street, Srinivasa Nagar Padi, Chennai - 600 050 Tel: 044-26250901/26247905 Fax: 044-26230161 Email: karthickindustries@hotmail.com Contact:Mr.M.Subramanian-Proprietor</p>	178	<p>L.G. BALKRISHNAN & BROS LTD. 6/16/13, Krishnanarayanapuram Road, P O Box No. 2003, Ganapathy, PO Coimbatore Tamil Nadu - 641 006 Tel: 0422-2532325 Fax: 0422-2532333 Email: lgbgpy@vsnl.com Contact:Mr.K Vasudevan, GM Products: Rolon automotive timing &</p>

	Products:Gauges, Jigs & Fixtures,Automobile, Aerospace, CNC Machining Centre, CNC Miling, CNC Turning Machine, Jig grinding machine, Conventional m/cs		transmission chains, industrial conveyor chains, sprockets, tensioners, timing belts, cogged belts, press components
179	LAKSHMI PRECISION TOOLS LTD Arasure, Avinashi Road, Coimbatore - 641 407 Tel: 0422-2360470 Fax: 0422-2360469 Contact: Mr. Vivek Prasad Products: Pressure die cast components, CNC toolholders ad custom made HSS cutting tool, textile & other machinery spares.	180	LARSEN & TOUBRO LTD - TOOL DIVISION Powai Works, Sakivihar Road, Mumbai - 400 072 Tel: 02-28581287 Fax: 022-28581331 Email: desh mukhvv@lntebg.com Contact:Mr.V.V. Deshmukh-Engineered Tooling Products:Press Tools, Plastic Moulds, Pressure Die Casting Dies, Jigs, Fixtures, Gauges etc.
181	LAXMI ELECTRONICS #81, EPIP Area, Whitefield Bangalore - 560 066 Tel: 080-28416206-09 Fax: 080-28416210 Email: ckakumar@laxmielectronics.com www.lakshmielectronics.com Contact: Mr. C K A Kumar Products: Tools and moulds	182	LUCAS TVS LTD Padi, Chennai - 600 050 Tel: Tel; 044-26258211 Fax: 044-26257215 Email: Sadanandam.tool@lucastvs.co.in www.lucastvs.com Contact:Mr.G Sadanandam, Mgr. Products: Manufacturers of Auto Electronic Components, Units at Chennai, Pondicherry, & Rewari(Haryana)catering to the needs of Automotive OEMs
183	LAKSHMI DESIGNERS B-19, KSSIDC, ITI Ancillary Indl. Estate, Bangalore. Tel: 080-8510173 Fax: 080-8513869 Email: knswamy@bgl.vsnl.net.in Contact:Mr. K Narayanaswamy - Proprietor Products:Manufacture of injection moulds press tools, plastic components	184	LIBA ENTERPRISE 16th Road, Khar(W) Mumbai - 400 052 Tel: 022-28688921 Fax: 022-28682811 Email: liba@vsnl.com Contact: Dr. P.K. Banerjee Products:1) Designing, modeling & construction of moulds 2) Production of Precision Engineering Products 3) Production of Plastic Articles
185	LAKSHMI VACUUM HEAT TREATERS NO.3, 9th Mile, Tumkur Road Bangalore - 560 073 Tel: 080-28396761 Fax: 57724066 Email: lvhlnp@hotmail.com Contact: Mr. L.N. Prasad- Managing Partner Products:Vacuum heat treatment for Aluminium Pressure Diecasting dies, Plastic Injection Moulds, Cold work tools, High Speed Tools etc.	186	MACHINE TOOLS INDIA LTD 284, Sultan Sadan II, West End Marg, Lane No.3 Saidulajab, Mehrauli New Delhi - 110 030 Tel: 011-29535381to 88 Fax: 011-29535390 Email: bkm@mactool.com http://www.mtiindia.com Contact:Mr. B.K. Mathur, VP Products:Equipment for measurement of surface, roundness, optical metrology profile projectors, TR machinery
187	MODERN ENGRAVERS 3rd Flr, R. No. 6, Jagruti Indl. Co-op Soc Ltd; Mahim, Mumbai - 400 016	188	MICRO SPECIAL TOOLS E-8, Ansa Indl. Estate, Sakhi Vihar Rd. Andheri (E), Mumbai - 400 072 Tel: 56779970

	<p>Tel: 022-24374069 Fax: 022-24371621 Email: gautam@bom7.vsnl.net.in Contact: Mr. Ranjan VithalVagal Products: Engraving, CAD CAM with CNC 3-Axis & 4-Axis Machining, Soap Dies Mfg</p>		<p>Fax: 28526324 Email: msthariharan@yahoo.com Contact: Mr. M U Hariharan Products: Mfg of CNC Press tools, tool room accessories, precision industrial moulds, special gauges etc</p>
189	<p>MAKINO ASIA PTE LTD No.11, Export Promotion Industrial Park K.R. Puram Bangalore - 560 066 Tel: 080-28419500 Fax: 080-28410538 Email: makino@blr.vsnl.net.in www.makino.co Contact: Mr. C L Reddy Products: Horizontal machining centres CNC EDM's & CNC Wire EDM's, CAD/CAM</p>	190	<p>MELCO ENGRAVING INDIA PVT LTD Plot No.82, Bommasadra Indl. Area, 4th Phase, Bangalore 562 168 Tel: 080-7835427 Fax: 080-7835487 Email: melco@bgl.vsnl.net.in www.melcoengraving.com Contact: Mr. G Jeyaraj, GM Products: Mould Texturising, Texture Repair Pattern Development, Chemical Milling of Gates & Runners</p>
191	<p>MTECH INDUSTRIES M-Tech House, Diamond Indl. Estate, Walive, Vasai Mumbai - 401 208 Tel: 0250-2480545/ 2480936/7 Fax: 0250-2480631 Email: jshetty@mtech-Mould.com or mkg@mtech-Mould.com Contact: Mr. Manoj K Gandhi, CEO, Mr. Jatin Shetty, Business Devlp. & Mktg Products: Engg Injection & blow moulding moulds for industrial & commodity thermo plastic materials only</p>	192	<p>MAHINDRA UGINE STEEL CO LTD Jagadish Nagar, P.O. Khopoli, Raigad - 410 216 Tel: 02192-63318 Fax: 02192-63073 Contact: Mr. A.H. Mittal-VP Products: All alloy, tool, die & special steels for applications like MIG Aircraft, Space Vehicles, Turbines, Battle tanks, machinery, automobile</p>
193	<p>MADHU MARKETING & SERVICES Anurag' First Floor, A-4/5, Ganeshkrupa Society Chikuwadi, Vadodara Gujarat - 390 007 Tel: 0265-2353886/ 2321104 Fax: 0265-2334278 Email: madhu@wilnetonline.net Contact: Mr. Madhu B Shah - President / Proprietor Products: Injection moulding machines, ancillary equipments, hot runner systems, Moulds, STD. Mould parts, quick Mould clamping system, hydraulic cylinders</p>	194	<p>MILTECH INDUSTRIES PVT. LTD F-271, MIDC Indl. Area, Hingna Road, Nagpur - 440 016 Tel: 07104-37210 Fax: 07104-37573 Email: miltech@bom3.vsnl.net.in Contact: Mr. Pradeep G Agarwal - Executive Director Products: Plastic Injection Moulding and Tool & Die manufacturing</p>
195	<p>MAHINDRA & MAHINDRA LTD 80, MIDC, Satpur, Nasik - Tel: 0253-353322 Fax: 0253-353320 Email: desh mukh.pradip@mahindra.com Contact: MR. P.V. Deshmukh-DGM Products: Die and tooling manufacturing</p>	196	<p>MADHUKAR ENGINEERING COMPONENTS DHARWAD Plot No. 10, Lakamanhalli Indl Area, Dharwad - 580 004 Tel: 0836-2467352 Fax: 0836-2460350 Email: madhuvic@yahoo.com Contact: Mrs. Madhu R Gunjal Products: Mfg of: 1. Toolroom Vices 2. Other Work holding Devices</p>

			3.Pressed Sheet Metal Components 4.Plastic Components 5.Parts & Sub Assembles for Machine Tools 6.Specialised in Surface Grinding Jobs
197	MINDA INDUSTRIES LIMITED Plot No. B-6, MIDC, Chakan Indl. Area, Village Mahalunge (Ingle), Tal Khed. Pune - 410 501 Tel: 020-4104116 Fax: 020-4104118 Email: admin@milPune.com OR rmehra@milPune.com www.mindaweb.com Contact:Mr. Ravi Mehra,AVP Products: Switches for two/three/four wheelers & tractor segments which includes combination switches, handle bar switches, brake switches, modular switches etc.	198	MICROFINE BUSHINGS P LTD 107, SIDCO Indl. Estate, Ambattur, Chennai - 600 058 Tel: 044-26250432 Fax: 044-26257268 Contact:Mr.Venkatasubban,Dir. Mr. Girish - Director Products: Manufacturers of Jig Bushes, Precision Machined Components, Sub-Assemblies & Specialists in CNC Machining, Approved by Defence and IRD
199	MICROTECH PRECISION ENGINEERING H.No. 5-5-35/ 170B, Prashanthinagar I.E. Kukatpally, Hyderabad 500 072 Tel: 040-2375562 Email: microtechprecision@yahoo.com Contact:Mr. Dayakar Reddy - Proprietor Products: Mfg. Aviation Components and Precision Gear Boxes	200	MADHUBABU INDUSTRIES PVT LTD 2-118, Rd. No.5, Shobhana Colony, Balan Nagar, Hyderabad - 500 042 Tel: 040-23773946 Fax: 040-23776363 Email: madubabu@hd2.dot.net.in Contact: Mr. A V Rao, MD Products:Mfg. of press tools, jigs, fixtures and gauges
201	MUDHRA PRESSING PVT LTD 28/1 Musiri Subramaniam Rd, Mylapore, Chennai - 600 004 Tel: 044-24971270, 24992114 Fax: 044-24985465 Email: mudhra@eth.net www.mudhraindia.com Contact:Mr. S Thyagarajan, MD Products: Mfg brake parts for the automobile industry. These include back plates, push rods, shines etc. Supplies to Marti, Tata & Ford. Tool room manufacturing jigs, fixtures moulds dies & press tools	202	MASTERCRAFT ENGINEERS PVT LTD 26, 2nd Cross, Rajaji Nagar, 5th Block, SSI Area Bangalore - 560 010 Tel: 080-3381555 Fax: 080-3382134 Email: marketing@mcraft.net Contact:Mr.R Sree Prakash, MD Products:Mould making, custom moulding, CNC machining
203	MITUTOYO SOUTH ASIA PVT LTD C-122, Okhla Indl. Area, Phase I, New Delhi - 110 020 Tel: 011-26372090 Fax: 011-26372636 Email: mitutoyomaa@vsnl.net Contact: Mr. N Bajaj - MD Products:Subs of Mitutoyo Corporation, Japan marketing and mitutoyo servicing mitutoyo	204	MOTOR INDUSTRIES CO. LTD P B No. 3000, Adugodu, Hosur Road, Bangalore 560 030 Tel: 080-22992702 Fax: 080-22272851 Email: sudarshan.rao@in.bosch.com www.boschindia.com Contact:Mr.K.R.Sudarshan Rao- General Manager Products:Design & Manufacture of

	measuring instruments like surface roughness tester, 2D linear height hardness testers, profile testers, roundness measuring instruments, measuring & metallurgical microscopes		Tools, Gauges & Fixtures
205	MURUGAPPA POLYTECHNIC COLLEGE S.M. Nagar, Chennai - 600 062 Tel: 044-26385713 Fax: 044-26382921 Email: mrgptsys@murugappapoly.ac.in Contact: Mr. B Nandagopal, Principal Activities: Educational Institution offering Diploma Programmes in Die & Tool design, Mechanical, Electronics & Commn, Civil, Electronics (robotics) and Computer Engineering	206	MUTUAL INDUSTRIES LTD. The Peerage, 86, M V Road Andheri-Kurla Road, Next to Guru Nanak Petrol Pump, Andheri(E), Mumbai - 400 093 Tel: 022-26834763/ 26847595 Fax: 022-26834763 Email: walter@mutual-industries.com www.mutual-mecaplast.com Contact: Mr. D K Gandhi, MD Mr. F Walter D'Lomen - Director Business Development Products: Custom mould makers & engineering plastic moulders, mould and moulded parts to Automotive Industry, Household Appliance Industry
207	MARUTI UDYOG LIMITED- DIE SHOP DEPT Palam Gurgaon Rd., Gurgaon - 122 017 Tel: 0124-2349309 Fax: 0124-2341411 Email: Sanjay.thakar@maruti.co.in www.marutiudyog.com Contact: Mr. Sanjay Thakar - AGM - Dies Shop Deptt Products: Manufacture of Skin Panel A Class Press Dies and Low Pressure Die Castings for Cylinder Head	208	MICRO GENSISCAD SOFT PVT.LTD. No.3001, 5th Cross, 12th 'A' Main HAL II Stage, Indiranagar Bangalore - 560 008 Tel: 25203826 -29 Fax: 25203842 Email: arun.kumar@mgemindia.com www.mgemindia.com Contact: Mr. Arun Kumar C V - Business Manager Products: Software solutions & services for the tooling industry in area of CAD/CAM and CAE
209	METAL CRAFT INDUSTRIES A-33, GF, PAVANA INDL. PREMISES BHOSARI, Pune - 411 026 Tel: 020-27126889 Fax: 4112082 Email: metalthreed@vsnl.net Contact: Mr. S G Khanolkar/ S V Bhat - Partner Products: Manufacturers of Foundry Toolings, Die Casting Dies & Plastic Injection Moulds	210	MOTHERSON SUMI SYSTEMS LTD. C-14, A&B, Sector I Noida - 201 301 Tel: 0120-2476100-200 Fax: 0120-2521866/966 Email: vav@motherson.com Contact: Mr. Vivek Avasthi, SVP Products: Design, Tooling, Plastic-Rubber-Silicon Injection Moulding, Blow Moulding, Compression Moulding Assemblies & Full Modules, Wiring Harness, Rear view Mirrors, Cutting Tools, Contract Manufacturing
211	MINDARIKA PVT.LTD. Vill. Nawada Fatehpur, P.O. Sikanderpur Badda, Gurgaon - 122 004 Tel: 0124-2290317-19 Fax: 0124-2222290320 Email: slgupta@mindarika.net Contact: Mr. S.L. Gupta, Dy. General Manager-Tool Rom Products: In house designing of 4	212	MULTIPLE AGENCIES (BOMBAY) Ramanath Complex, Sy.No. 30/1, Shantipura Main Rd, Near Veerasandra Indl. Area, Huskur Post, Bangalore - 560 099 Tel: 080-27833938 Fax: 080-27834688 Email: eastern@bgl.vsnl.net.in Contact: Mr. Gopalkrishnan-Director

	wheeler automotive switches for OEM's in India such as Maruti Udyog Ltd., Honda Seil Cars, General Motors, Ford etc. In house tool designing & manufacturing ability with latest machines and state of the art infrastructure.		Products: Exclusive distributors in India for M/s. "Lucchini" Sidermecanica S.P.A. Italy Stock/Service Centre for "Lucchini" Brand of Tool/Mould Steels at Bangalore & Coimbatore
213	MICRO MOULDS & PLASTICS C-206, 4TH Cross, 1st stage Peenya Industrial Estate Bangalore - 560 058 Tel: 080-23723610 Fax: 23723610 Email: mmp2407@gmail.com Contact:Mr.Shripad Hegde, Partner Products: Moulds, Press Tools, CNC Job work	214	MANAV MARKETING P.LTD. 107, Brigade Towers, 135, Brigade Road, Bangalore - 560 025 Tel: 080-22279913 Email: manavblr@vsnl.com Contact:Mr.T. Balasubramanian DGM Products:Distributor of Machine tools
215	MODULAR MOULD SOLUTION PVT.LTD. No.12, 1st floor, 43, street 6th avenue Ashok Nagger Chennai - 600 083 Tel: 044-23716241 Fax: Telfax:23716241 Email: mms22@dataone.in Contact:Mr. D. Elumalai-CEO Products:Import and sale of LKM Mould bases, Die Casting Bases, Die sets Nikd accessories, Hot runner system and Tooling Elements	216	MAK-L-TECH No.339D Vijayalakshmi Layout Jayaprakash Nagar, Sanganoor Main Rd, Coimbatore 641 006 Tel: 0422-2333235 Email: makltech@eth.net Contact: Mr. R. Archamy, Managing Partner Products: Manufacturing Tool & Die, CNC job work, Die Core & Cavities - Automobile Components and R&D
217	MICRO TOOLING SYSTEMS CHENNAI PVT.LTD. No. 21, Ambalavanar Street 100ft RoadArumbakkam Chennai - 600 106 Tel: 044-24754574 Fax: 044-24754359 Email: micro@vsnl.net Contact: Mr. A. Duraisamy-MD Products: Mfrs: Tool Adaptors BT, ISO for CNC Machines Spade Drill Holders, Brazed & Indexable Type Micro Bore Cartridges and all Conventional Machine Tools	218	MEDHA AUTOMATION TOOLS INDIA D-73, KSSIDC Industrial Estate,5th Cross, Rajajinagar Bangalore - 560 044 Tel: 080-57724466 Fax: 23349329 Email: rkrrajmati@yahoo.co.in www.matiworld.com Contact:Mr. Ravi K.S.Reddy-CEO Products: Manufacture of Standard Accessories for Mould & Dies, manufacturing of Ejector Sleeve, Ejector Blade, Ejector pins, HSS piercing punches as per DIN & IS Standards
219	MANISHA MOULDS & DIES PVT.LTD. Unit 2, NIBR Compound, Opp:Vaishal Restaurant, Safed Pool, Andheri Kurla Rd Mumbai - 400 072 Tel: 9324258323 Fax: 022-28528237 Email: manish_moulds@yahoo.com Contact: Mr. Sunil Agarwal Products: Manufacturing of Plastic Injection Moulds for Electrical Components, Automotive Components, Pipe Fittings, Blow Moulds with in-	220	MARVEL MACHINE TOOLS PVT.LTD 10A, Mohan Mansion 274, Shahid Bhagat Singh Road Fort, Mumbai - 400 001 Tel: 022-2265748 Fax: 022-22658667 Email: info@marvelmachinery.com Contact:Mr.Anish J.Shah, Dir. Products:Importers & Stockists of used CNC & Conventional Machine Tools such as Machine Centers, Turning Centers, EDM, Wire Cut, Milling Machines, Drilling & Boring Machines etc.

	house Designing & CAD/CAM/ CAE facilities		
221	<p>METAL TREAT B-3A Pannalal Silk Mills Compound, L.B.S. Marg Bhandup, Mumbai - 400 078 Tel: 022-25961355 Fax: 022-25962283 Contact: Mr. Dinesh M. Shah Products: Mainly providing service as "Heat Treaters" of Tools, Moulds & Dies of all imported & Indian Specifications & Grades of steel, processed in salt bath and drip feed electrical furnace. Specialised in Plasma Nitriding of all specifications and Grades for different applications like Aluminum Extrusions, Pressure die casting, Plastic Moulding etc.</p>	222	<p>METALS INDIA Plot No.128,130&139 Sector 25 Ballabgarh, Faridabad 121004 Tel: 0129-2230828/29 Email: info@metalsindia.com www.metalsindia.com Contact: Mr.Rakesh Gupta Products: Heat Treatment Unit for Vacuum Hardening, Carburizing, vacuum carbon nitriding, Gas Nitriding, Hardening & Tempering of Tools & Dies</p>
223	<p>MICROTECH ENGINEERS No.31, Police Office Road St. Thomas Mount, Chennai - 600 016 Tel: 044-22320485 Fax: 044-22320485 Email: microtech5@vsnl.net www.microtech5.com Contact: Mr. K. Gunasekharan- Partner Products: Manufacturing of Plastic Injection Moulds & Moulded parts</p>	224	<p>MAYANCO ENGINEERS INDIA PVT.LTD. B-43, D.S.I.D.C. Kirti Nagar Industrial Area New Delhi - 110 015 Tel: 011-25927017 Fax: 011-25927016 Email: sachin@mayancoindia.com Contact:Mr. Sachin Deshpande Director Products: Importer of VNC & EDM Machines. Training and development of components.</p>
225	<p>MICRO PLASTICS PVT.LTD. No.88/10 Khata No.270 Singasandra Village, Hobli Bangalore - 560 068 Tel: 080-25732535 Fax: 080-25732535 Contact: Mr. Anbarasang, Dir. Products: Plastic Injection Moulding, Tool Manufacturing & Servicing including Injection Moulds, Press Tools & Die Cast Moulds. Tool Room equipped with vertical Machining Centre EDMS, Surface Grinders, Conventional m/cs.</p>	226	<p>NIMBUS TECHNOLOGIES 28, Anand Niketan Society Karve Nagar, Pune - 411 052 Tel: 020-5424088 Fax: 020-5420369 Email: nimbusp@vsnl.com www.tebis.de Contact:Mr.Sudhir Belgamwar, Director Products: 1. Sale & Support for Tebis CAD-CAM & Autoform sheet metal simulation softwares 2.CAD-CAM & CNC Milling service and Rapid Prototyping</p>
227	<p>NTTF INDUSTRIES LIMITED 23/24, Peenya Indl. Area, II Phase, Bangalore - 560 058 Tel: 080-8394840/8/9 Fax: 080-8392428 Email: mktg@nttf.co.in Contact: Mr. N Reguraj, MD Products: Design, mfg. and supply of precision press tools, moulds & dies. Manufacture and supply of pressed & moulded</p>	228	<p>NEXUS APPLICATION ENGINEERING SERVICES PVT LTD Aradhana, 55 Amchi colony, Pashannda Road, Bawdhan hurd, Pune - 411 021 Tel:2952174/75, 2951145, 2952301 Fax: 2952782 Email: nexusp@giaspn01.vsnl.net.in Contact:Mr. Avinash Belgamwar Managing Director Products: Tool Room Machines, Sheet</p>

	components, auto electrical products such as combination switch assemblies centre locking systems, fuse junction box fuse and relays.		Metal Dies, Fixtures Design & Manufacture
229	NIVITA TOOLS & ACCESSORIES PVT. LTD. Unit II, 125B, Industrial Area, Bommasandra, Hosur Road, Bangalore 562 058 Tel: 080-7833160/ 7832348 Fax: 080-7833161 Email: nivita@satyam.net.in Contact: Ms. Smitha S Prabhakar Products: Press tools, interlocked laminations/ stampings	230	NITOO SALES "Antaral", Plot no 464/B/2 Block No.1, Sanganna Dhotre Marg, Ganeshkhind Road, Pune - 411 016 Tel: 020-5656239 Fax: 020-5656487 Email: nitusales@bom3.vsnl.net.in Contact: Mr. S V Jog Products: Die Components & Agency House
231	NIKUNJ EXIMP ENTERPRISES PVT LTD Sri Joravar Bhavan, 93 Maharashi Karve Road, Marine Lines, Mumbai- 400 020 Tel: 022-2009085/ 2083533/4 Fax: 022-2060415 Email: nikeximp@giasbm01.vsnl.net.in www.nikunjgroup.com Contact: Mr. Nikunj G Shah, MD Products: 1. High density isostatically pressed graphite-le cabone lorraine/ carbone of america. 2. High performance coated and brass wires, berkenhoff GmbH, Germany 3. Modular tool holding systems-D' Andrea Spa, Italy. 4. Abrasive and power tools - Suhner Abrasive.	232	NORMALIEN TOOLING SYSTEMS P. LTD Bombay Mutual Annexe, 3 rd Floor, 17, Rustom Sidhwa Marg, Fort, Mumbai 400 001 Tel: 022-22666098 Fax: 022-22666099 Email: rgk@lmsmktng.com Contact: Mr. Narendra Shah, MD Products: Normalised Standard Mould Base, Machined & Ground Plates, Mould Base accessories such as Guide, Pillars, Guide Bush, Centering Sleeves, Locating Rings, Sprue, Bush etc.
233	NAGASAI PRECISION ENGINEERS 5-36/1//15C, Behind Godrej Godowns, Prashanthi Nagar, Kukatpally, Hyderabad 500 072 Tel: 040-23077349 Fax: 040-23076485 Email: nagasai_hyd@yahoo.com Contact: MR. B N Reddy, MD Products: Mfr and supply of tools, press tools, jigs and fixtures & precision component for HAL & ISRO Satellite Centers, Also designing of press tools, jigs & fixtures etc. for defence and space components	234	NYPRO FORBES MOULDS PVT LTD Plot no.52, SIPCOT Indl. Estate, Hosur - 635 126 Tel: 04344-277362 Fax: 04344-279014 Email: sales@nyproforbes.com Contact: Mr. Sudarshan M, Manager Toolroom Products: Design & manufacture of tools for the plastic injection moulding application in healthcare, electronics & tele-communication., consumer & industrial and automotive business areas.
235	NIHON TRADING COMPANY No.53, Behind J.C. Industrial Estate, Bikashipura Main Rd. Yelachenahalli, Bangalore 560 062 Tel: 080-22230950 Fax: 080-26551322 Email: nihontcho@touchtelindia.net	236	NEETA ENGINEERS & PRECISION TOOLS PVT.LTD. C-8/1/A, Electronic Estate MIDC Bhosari, Pune - 411 026 Tel: 020-4111133 Fax: 020-7129350 Email: neetaengrs@vsnl.net www.neetaengineers.com Contact: Mr. Shivaji Sakhegaonkar

	Contact:Mr. E. Madhavan-CE Products:1.Manufacturing of Wet Brake Assy.,2.Indenting Agency 3.Stock & Sale of Die Springs Friction, Disc & Steel Plates		Products:Press Tool Components, Jigs & Fixtures, Spl. Machines, Dies & Tools
237	NILKANTH ENTERPRISE Gala No.10A, Mohemaddali Compound, Malwani Colony, No.6, Malad(W), Mumbai 400 095 Tel: 022-28801265 Fax: 022- 28888682 Email: kinnari@vsnl.com Contact:Mr. Ajay K. Jariwala Proprietor Products: Moulds & Dies	238	NOVAR INDIA LTD. Cresceno, 9953, 2nd Avenue, Annanagar, Chennai 600 040 Tel: 044-26161234 Fax: 26161235 Email: sabu@novarindia.net Contact: Mr.Sabu Gangadharan- Manager-Tooling Products: Manufacture and Marketing of Wiring Devices, Floor distribution systems, Cable Management systems, Mfg. & Exporting of Bells, Chimes, Lead Connectors, Trailing Sockets
239	NEBASHI CNC AUTOMATION PVT. LTD. 202, 2nd floor, Manbhuh Towers 6-3-1090/A/12 & 13 Rajbhavan Rd, Somajiguda Hyderabad - 500 082 Tel: 040-30621200 Fax: 30621205 Email: nebashi@satyam.net.in Contact:Mr.Nelson Whitchurch Managing Director Products:Sale & Service of YCM Brand Mould & Die Machining centers, Accutex CNC wire cut, Ecwin EDM, CNC & ZNC EDM, Precision Tool Holders, vices, chucks and other accessories.	240	NUTECH CNC PVT.LTD. 162, Munusamy street Vanagaram III Main Road Athipet, Chennai - 600 058 Tel: 044-26534374 Fax: 044-26534374 Email: nutechcnc@vsnl www.nutechone.com Contact:Mr.A.N. Rajendran, MD Products: Manufacture of Plastic Moulds, Dies, Jigs Fixtures & CNC Machined components.
241	NAGATA INDIA PVT.LTD. Plot No.154-155, Sector-3, IMT Manesar, Distt. Gurgaon, Haryana - 122050 Tel: 0124-4369592/593 Fax: 0124-4369591 Email: mittulsoni@gmail/com Contact: Mr. Mittul Soni, DGM Products: Manufacturer of Sheet Metal Press Dies for automobile industries.	242	O/E/N INDIA LTD Electrogiri, P B No.1 Mulanthuruthy, Cochin 682 314 Tel: 0484-711321/ 711328 Fax: 0484-711891 Email:oenindia@md3.vsnl.net.in Contact: Mr. C R Vasudevan - Manager - Tool Room Products: Relays, switches, potentiometers
243	OMIRA MARKETING PVT LTD 3, Marian Terrace, 68, Chapel Road, Bandra(W), Mumbai - 400050 Tel: 022-26400791/ 26512293/6 Fax: 022-26437955 Email: omira@bom3.vsnl.net.in Contact: Mr. O Miranda, MD Products:Trading house representing foreign manufacturers for the machine tool industry	244	ORIENTAL MACHINE TOOLS EXPORT COMPANY 53, Bhajipala Lane, 1 st floor, Room No.13, Mumbai 400 03 Tel: 022-23415831 Fax: 022-23440281 Email: omtec@vsnl.net Contact:Mr.R D Shah - Partner Products: 1. Marketing of Machine Tools - Horizontal boring milling machine, machining centre, milling machines, CNC lathe machines. 2. Erection, commissioning, repairing, reconditioning retrofitting machine tools, 3. Repairing drives, cards

			4. Laser calibration.
245	OM ENTERPRISE Gala No-92, Virvani Industrial Estate, OFF. AAREY ROAD, GOREGAON (E) Mumbai - 400 063 Tel: 022-28780688/ 28730410/ 28787331 Fax: 022-56770655 Email: omenterprise@vsnl.net Contact: Mr. Opinder Singh - Proprietor Products: Manufacture of Moulds - Injection, Blow, Bakelite, Investment, Die Casting Moulds & Production jobs for CNC Milling, Wire cut, Wire EDM, Turning Jobs etc.	246	OPTICS & ALLIED ENGG.P.LTD. C-86, ITI Indl. Estate, Whitefield Road, Mahadevapura Bangalore - 560 048 Tel: 080-28511329 Fax: 28516966 Email: info@opticsindia.com Contact:Mr.D.Rajendra Kotaria Products: Moulding of plastic lenses and clear component moulding in ultra precision, Injection Moulding Machines-Glass Optics for aerospace & defence application
247	OMKAR ENTERPRISES 6/37, Ganaraj Apartments, Near Dashbhuj Ganpati Sahakarnagar No.2 Pune - 411 009 Tel: 020-24223054 Fax: 020-24225543 Email: komkar@vsnl.com www.omkarent.com Contact:Mr. Vivek Kumbhojkar- Proprietor Products:1.Importers of Mould & Die components like coil springs, punches, ejector pins etc. 2.Spares, consumables & wearing parts for sinking and wire cut EDM machines like charmilles. Agie. Sodik etc 3. Single point source for Machinery spares & accessories from USA, Germany, Japan & Singapore	248	PRABHA ENGINEERING PVT. LTD 36, MIDC Central Road, Andheri (E), Mumbai 400 093 Tel: 022-66925241-47 Fax: 022-66925248 Email: prabha3@vsnl.com Contact: Mr. B.S.Wadivkar Products: Sheet Metal pressed/ fabricated components, auto electrical
249	PRECIOUS PRODUCTS (INDIA) LTD Plot No.1 to 4, Gate No. 986, Sanaswadi, Taluk Shirur, Dist. Pune - 412 208 Tel: 02137-52404/ 52604 Fax: 02137-52363 Email: ppin@vsnl.com Contact: Mr. R N Hegde, GM Products: Manufacture and Export of quality moulds	250	PROSYSYS TECHNOLOGIES PVT. LTD Unit No.143, 1st floor, Shanti Industrial Estate, S.N. Road, Mulund(W) Mumbai - 400 080 Tel: 022-25905900 Fax: 022-259053114 Email: info@protosystech.com www.protosystech.com Contact:Mr.Paresh Bheda, Dir. Products: Rapid Prototyping, tooling & manufacturing services
251	PCK BUDERUS (INDIA) SPECIAL STEELS PVT LTD 13, South West Boag Rd, T. Nagar, Chennai - 600 017 Tel:044-24346503/ 24348638/ 24341904 Fax: 044-24341181 Email: info@pck-buderus.com	252	PI TECH INTERNATIONAL 389, Gr. Flr. Sant Nagar, East of Kailash, New Delhi - 110 065 Tel: 011-26223272/ 26223615 Fax: 011-26222535 Email:skumar@dell.vsnl.net.in Contact: Mr. Sumant Kumar, CE

	<p>www.pck-buderus.com Contact:M/s P K Laxman, P L Krishnan & P K Raja,Directors Products:Steel for designing, plastic moulds, steel for pressure die casting and extrusion</p>		<p>Products: CAD/CAM Software for 3D Modelling Mould Desin & Mfg. Hardware</p>
253	<p>PARAMETRIC TECHNOLOGY (INDIA) PVT LTD 4th floor, Embassy Classic No.11, Vittal Malya Road Bangalore - 560 030 Tel: 080-22129741 Fax: 080-22129747 Email: rbiddappa@ptc.com Contact: Mr. Rohit Biddappa- Marketing Manager Products: Engineering Software Solutions for Mfg. industry</p>	254	<p>PI TECH SERVICES 108, Aashirwad, Green Park New Delhi - 110 016 Tel: 011-26513704 Fax: 011-26512940 Email: pt@italiantech.com Contact: Mr. Surendra Kumar - Partner Products:Italian Die-springs, gas springs, automatic strip feeders, die-elements</p>
255	<p>PIXEL INFOTEK PVT. LTD 8th Floor, Vokkaligara Bhavana, Hudson Circle, Bangalore - 560 080 Tel: 080-22485241(6 lines) Fax: 080-22485247 Email: pixel.sales@vsnl.com Contact:Mr.P V Rai - Director Products: Solid/ surface modeling, CAE and CNC programme generation. Espirit CAD/CAM software for 4 to 5 axis milling, multi axis turning, wire edm fabrication, centers(laser/ punch, plasma/ punch etc) turret punch presses, microsation/ J modeler A parasolids based</p>	256	<p>PRATIK HEAT PRODUCTS PVT LTD. 11, Tankiwala Indl Estate, Steel Made Compound Marol Maroshi Rd, Andheri(E), Mumbai - 400 059 Tel:022-28503385/6/ 28500611 Fax: 022-28504922 Email: php@mtnl.net.in Contact:Mr.Premal R Shah,Dir. Products: 1. Manufacturers of Industrial Electric Heaters, Heaters for hot runner systems 2. Coil and Cast Heaters.3. Manifolders heaters-tubular and cartridge 4. Ceramil and Mica band heaters</p>
257	<p>PRAMOD PLASTIC INDUSTRIES PVT LTD B-24, Mayapuri, Phase - I, New Delhi - 110 064 Tel: 011-28116080/ 5082 Fax: 011-28116025 Contact: Mr. Rajesh Jain, MD Products: Mfrs. Of automobile lightning equipments and plastic components</p>	258	<p>PREMAUNI TOOLS 38, Gr.Flr, Agarwal Indl. Estate, S V Road, Dahisar(E) Mumbai - 400 068 Tel: 022-28955587 Fax: 022-28937516 Email: premauni@yahoo.com Contact: Mr. H G Chandrana - Partner Products: Mould Manufacturing</p>
259	<p>PRE MOULD ENGINEERS 5-5-35/ 229/1, Plot No. 16 Shakthi Puram, Kukatpally, Hyderabad - 500 072 Tel: 040-55214999/56541352 Fax: 040-23720361 Email: premould@tatanova.com Contact:Mr. G Vijay Kumar, MD Products: MANUFACTURERS OF MOULD BASES & PILLAR DIE SETS</p>	260	<p>PRETECH 45, 29th cross, 7th Main, Industrial Layout, B S K Nagar, II Stage, Bangalore - 560 070 Tel: 080-6650979 Fax: 080-6647049 Email: pretech@mantraonline.com Contact:Mr.Johnson Proprietor Products: Manufacturing of Injection moulds, die casting dies</p>

261	<p>PRECISION PUNCHES & DIES 5B, Raju Industrial Estate, Penkar Pada Road, Post-Mira, Dist Thane, Mumbai - 401 104 Tel: 022-28456637, 28456586 Fax: 022-28454592 Email: info@kalyanimouldbase.com Contact: Mr. C H Balan, MD Products: Ejector Pins, Piercing Punches, Mould Accessories</p>	262	<p>PREMIER INDUSTRIAL PLASTICS C-10, Razack Garden Road M.M.D.A. Colony, Arumbakkam Chennai - 600 106 Tel: 044-24751668 Fax: 044-24759855 Email: pip@md4.vsnl.net.in Contact: Mr. B. Subramanian-Partner Products: Manufacturers of Injection Moulded Engineering Precision Plastic Components for Automotive, Electrical, Electronics, Medical etc</p>
263	<p>PRECISION INDUSTRIES A-46/H-Block, MIDC, Pimpri, Pune - 411 018 Tel: 020-4111076 Contact: Mr. Sunil Garg-Partner Products: CNC Wirecutting job work</p>	264	<p>PATANI TOOLS Room NO.14, Suraj Bhavan, Dayabhai Chowk Dady Seth Road, Opp: Usha Steel Malad(w) Mumbai - 400 064 Tel: 022-69562987 Fax: 28899879 Email: patanitools@yahoo.com www.patanitools.com Contact: Mr. Yogesh Patani-Proprietor Products: Sales & Service - H.S.S. Punches, Blanks, Step Punches, Blue Steel Wire, Ejector Pin, Sprue Bush, Polyurethane Rod, Die Spring, Ball Cages-Brass & Aluminum, Sold Carbide Tools, Precision Measuring Instruments, Dies & Moulds Polishing Products.</p>
265	<p>POLYWIN INDUSTRIES 120/1, B. Narayanpura Doorvaninagar, Whitefiled Road Bangalore - 560 016 Tel: 28518235 Fax: 28511278 Email: polywinindus@vsnl.net Contact: Mr. A Narayan Murthy - Proprietor Products: Manufacture of Precision Industrial plastics components & moulding tools</p>	266	<p>PREM INDUSTRIES 33/A, Fold Complex, Belagola Ind. Area Mysore - 570 016 Tel: 0821-2581550/ 2581170 Fax: 25280250 Email: GM_premind@touchtelindia.net Contact: Mr. H N Nandan, GM Products: Design, Development Manufacture of Injection Moulds, Press Tools & Components</p>
267	<p>PROTEKZ Plot No.V-6, 3rd Main Road, 2nd stage, Peenya Indl Estate Bangalore - 560 058 Tel: 080-28361320 Fax: 080-51170940 Email: protekz@vsnl.com Contact: Mr. Jose -Proprietor Products: Mfg. Injection Mould, Injection Moulded Components</p>	268	<p>PRATAP TEX CHEM PVT.LTD. S. No. 25/5, Nanded Phata Sinhad Road, Pune - 411 041 Tel: 020-4391569/ 4006584 Fax: 020-4006583 Email: prataptech@vsnl.net Contact: MR. P.S. Marathe-MD Products: Manufacturers of Degreasing solutions, EDM oils, Cutting oils, Synthetic coolants & cooling tower chemicals</p>
269	<p>PRABHA INDUSTRIES 86/1, Kumbalgod Indl. Area Phase II, Off. Mysore Road Bangalore - 560 074 Tel: 080-28437391/7458 Fax: 28437258 Email:</p>	270	<p>PRODUCTIVE MFG. SOLUTIONS (P) LTD. NO.7, 8th Avenue Ashok Nagar Chennai - 600 083 Tel: 044-52100841 Fax: 52100842 Email: varad@promagsolutions.com Contact: Mr. A. Varadarajan, Dir.</p>

	<p>satishkamath@dytekindia.com Contact: Mr. Satish S. Kamath Sr. Manager Products: Design & Manufacturing of Press Tools & Related activities</p>		<p>Products: Solution & Service Providers of tooling certified distributors</p>
271	<p>PRIMEX PLASTICS P.LTD. A-317 & 318, 7TH Main Peenya Indl. Area, II Stage Bangalore - 560 058 Tel: 080-28360779 Fax: 28361774 Email: primexplast@touchtelindia.net Contact: Mr. Pradeep Sethi, Dir. Products: Manufacturers of Tools, Dies, Moulds and Injection Moulded Plastic Components</p>	272	<p>PRECICRAFT COMPONENTS INDIA PVT.LTD. 60B/8B, Venkatasamy Nagar Ganapathy, Coimbatore - 641 006 Tel: 0422-3297999 Fax: 0422-2534757 Email: abala@precicraft.com www.precicraft.com Contact: Mr. A. Balakrishnan-Director-Operations Products: Manufacturer of aluminum, zinc components by pressure die casting and gravity die casting, PDC & GDC tools</p>
273	<p>PRESS COMP INTERNATIONAL P.LTD. Unit 1, B-157, 2nd Stage, Indl. Estate Peenya, Bangalore - 560 058 Tel: 080-28361235 Fax: 080-51170188 Email: masgar-ouchtelindia@net Contact: Mr. K. Asgar, Director Products: Design, Manufacturing Development of High Speed Progressive Stamping & Forming tools & in house High Speed Stamping from 18 - 100 tone world best</p>	274	<p>PETS PLASTIC ENGINEERING & TECHNICAL SERVICES INDIA P.LTD Flat No.448/14, (4th floor) H.I.G. Flats, 7th Main Road, Anna Nagar, Chennai - 600 040 Tel: 044-26202252 Fax: 044-26202251 Email: bsrund@eth.net Contact: Mr. S. Thiyagaraj-GM Products: Hot Runner Manifold Systems, Mould Filling Analysis Services, Mould Cooling Analysis Services</p>
275	<p>PRIME INDUSTRIES Flat No.7, Building No.22. Prem Pooja Co.op. Hsg. Soc. Narsinha Nagar, Nashik-422 013 Tel: 0253-2342041 Fax: 0253-2340024 Email: primeind_nsk@sancharnet.in Contact: Mr. Ashish Chandra Varma--Managing Partner Products: Supplying Graphite to various customers in areas like EDM electrodes, continuous casting, Optical fibre drawing, gold casting etc</p>	276	<p>PURUSHOTTAM INDUSTRIES No.37/5E, Muthuramalingam St. Ekkattuthangal Chennai - 600 097 Tel: 044-22254699 Fax: 044-22251233 Email: puruind@vsnl.net Contact: Mr. N. Venkatesan-Partner Products: Manufacturers of Plastics Injection Mould, Blow Mould, Rubber Moulds & specialised in CNC Machining Production jobs.</p>
277	<p>PRECISION MOULD TECH #159, 3rd Main Rd, Industrial Town, Rajaji Nagar, Bangalore - 560 044 Tel: 080-23405544 Fax: 080-23402760 Email: mouldtech@vsnl.com Contact: Mr. Sanjay Aggarawal - Partner Products: Manufacturer & supply of customized mould bases for</p>	278	<p>PIONEER TOOLING SERVICES D-144 Hosiery Complex Phase II Extn. Noida Tel: 0120-4335212/13/14 Fax: 0120-4352820 Email: anilsangwan@sify.com www.pioneertooling-tradeindia.com Contact: Mr. Anil Sangwan Products: Manufacturers of Plastics Injection Moulds & Components.</p>

	die sets made to the specific requirements of the customer		
279	P.H. POLYPLAST Plot No.6,Near Neelima Motors National Highway No.8, Sativali, Vasai(E) Mumbai - 401208 Tel: 0250-3254040 Fax: 0250-2481632 Email: ateesh@phpolyplast.com Contact: Mr. Ateesh Modi Products:Manufacturers of Laser Sintered Tools for Prototype, Production Moulds & Dies, Prototype Metal Parts	280	PRECISION METAL STAMPINGS 5-35/263, Prashant Nagar I.E. Kukatpally, Hyderabad 500 072 Tel: 040-23076274 Fax: 040-23076273 Email: kvbeep1_hyd@dataone.in
281	PADMAVATI METAL & ALLOYS PVT.LTD New No. 843, (Old No. 47/2), Poonamallee High Road Arumbakkam, Chennai -600 106 Tel: 044-65322873/98410 Fax: 04-24759169 Email: pma@eth.net www.pma.co.in Contact:Mr. Samir D. Mehta-MD Products:Manufacturer of Copper & Copper Alloys, Distributors of BORIDE Engineered Abrasives, U.S.A	282	PRINCE DESIGN-N-TOOLING TECHNOLOGY PVT.LTD 51/3, Marol Co-op indl Estate M.V. Road, Andheri(E) Mumbai - 400 059 Tel: 022-28504212 Fax: 022-28500822 Email: mktg@princetooling.net www.princetooling.net Contact: Mr.Rakesh Chheda, Dir. Products: 1. Mould Designing, Injection, Compression, Blow Moulding & Extrusion for Automobile, Telecommunication, Home Appliances, Household & Medical Products 3. CAD/CAM, Mould Flow Analysis.
283	QUALITY PATTERN WORKS (P) LTD. A-36, Pavana Indl. Estate, T-204, MIDC, Bhosari, Pune - 411 026 Tel: 020-7129716 Fax: 020-7121651 Contact:Mr. V. M. Apte Products: 1.Wooden Thermocole and PU Pattern Equipment 2. Master Model 3. Fixtures & Templates 4. Mock-up Models, 5. Hammering Blocks, 6. Soft tooling, 7. Foaming plugs 8. CAD/CAM services plastic 9. Vaccum cast components	284	QUAD TOOLING TECHNOLOGIES (P) LTD. No.2D2, Devasandra Indl. Area 4th Cross, Whitefield Road, Bangalore - 560 048 Tel: 080-25115772 Fax: 251163295 Email: quad@touchtelindia.net Contact: Mr.K.S.Rajagopala, CEO Products: Design and Mfg. Of Injection Moulds
285	RGK ENGINEERING ENTERPRISES 218, Karthik Krupa, Saraswathi Nagar, Vijaynagar, Bangalore - 560 040 Tel: 080-3381641 Fax: 080-3303110 Email: rgk@mantraonline.com Contact:Mr. R Narayanan, Dir. Products: Tool maker, Ultra Precision Boring Head, Auto Balanced Boring Head etc.	286	RECON DIES & TOOLS PVT LTD 35, Savodaya Indl. Estate Mahakali Caves Road, Andheri(E), Mumbai - 400 093 Tel: 022-28343931/ 28344973 Fax: 022-28361074 Contact: Mr.P V Rai / Mr. B K Dattatraya, Directors Products: Machinery, Dies & tools for P P Caps, Twist off caps and other metal closures
287	RICO AUTO INDUSTRIES LTD 38, KM Milestone, Delhi-Jaipur	288	RENISHAW METROLOGY SYSTEMS PVT LTD G.K. Arcade, 3rd floor, No.125/1-

	<p>Highway, Gurgaon 122 001 Tel: 0124-26824000/ 26372911 Fax:0124-26824200/38/4300 Email: rakeshkapur@ricoauto.com Contact:Mr.Rakesh Kapur / Arun Tewang Products: Manufacturing of Dies & Moulds.</p>		<p>18, T. Mariyappa Rd. Jayanagar 1st Block, Bangalore - 560 011 Tel: 080-66236000/020 Fax: 080-66236060 Email:t.murugesh@renishaw.com www.renishaw.com Contact: Mr.T. Murgesh Asst. Country Manager Products: Metrology products - probing systems, metrology accessories for CMM & CNC machine tools.</p>
289	<p>RADIANT SAFEWAY PVT. LTD 52, Sandesh Vihar, Pitampura New Delhi - 110 034 Tel: 011-26251586 Fax: 011-27151483 Email:radiantsafeway@vsnl.com Contact: Mr. Pankaj Goel OR Mr. Rajan Kochhar - Director Products: 1. Mould Doctor - for repairs of moulds & dies 2. Industrial safety products 3. Industrial maintenncance products-cleaners, degreasers, rust preventives etc.</p>	290	<p>RATNA TOOL & ENGG. (P) LTD Plot No.1321, Rd No. 68, Jubilee Hills, Hyderabad 500 033 Tel: 040-23548412 Fax: 040-23098031 Contact:Mr.G Narsimha Rao, MD</p>
291	<p>RUMI PLASTICS 117, ShivKrupa Indl. Estate L B Shastri Marg, Vikhroli(W), Mumbai - 400 083 Tel: 022-25784723/ 25783028 Fax: 022-25783348 Email: rumi@bom3.vsnl.net.in Contact: Mr. Hiten C Shah, Mr. Vipul J Shah, Mr. C V Shah, Mr. J D Shah - Partners</p>	292	<p>RAGA PRECISIONS 138,4th Main Industrial Town, Rajaji Nagar, Bangalore - 560 044 Tel: 080-3305985/3111290 Fax: 3111290 Email: ragaprecision@rediffmail.com Contact: Mr. Prasanna Kumar Partner Products: Manufacturers of Injection Moulds, Press Tools, Jigs & Fixtures, Die Casting Dies. Specialised in CNC Milling & Wire SDM jobs</p>
293	<p>RENATA PLASTICS J-526 MIDC, Bhosari Pune - 411 026 Tel: 020-27121285 Fax: 020-4112886 Email: Email:renta@vsnl.com Contact: Mr. Rohit Thawani- Proprietor Products: Mfg. Of Plastic Moulded Components, Press Tools, Moulds & Press Parts</p>	294	<p>RIGICUT TOOLS PVT.LTD. J-51,'S' Block, MIDC Bhosari, Pune - 411 026 Tel: 020-27120283/ 27120071 Fax: 020-27120283 Email:rigicut@pn3.vsnl.net.in www.rigicuttools.com Contact: Mr.Jaideep Singal, Dir. Products: Manufacturer of solid carbide tools, single and multipoint brazed & carbide profile form tools & resharpeneing of solid carbide, as per customer drawings. Authorised Regrinding Centre.</p>
295	<p>RODS & ALLOYS INTERNATIONAL No.40, 1st floor, 1st "B" Cross Doresanipalya, Bilekalli, Bannerghatta Road, Bangalore - 560 076 Tel: 080-56697698</p>	296	<p>RAUT ENGINEERING PVT.LTD. 38/D, Government Industrial Estate, Charkop Kandhivali(W) Mumbai - 400 067 Tel: 022-28609611/22 Fax: 022-28636295</p>

	<p>Fax: 080-26490678 Email: rodsandalloys@vsnl.net Contact: Mr. Kumar Ramachandra-CEO & Partner Products: a) Tool, Die & Mould repair welding services using Micro VIW welding, (b) Indian Chapter for U.S. Microscope welding association (USMWA). Selling Micro-welding Eqpt. (TiG, PLASMA, LASER) Accessory Micro-welding</p>		<p>Email: rautn@hotmail.com Contact: Mr. Prabhakar Janardhan Raut-Proprietor Products: Manufacturer of Injection & Blow Moulds</p>
297	<p>RAJSHREE ENGINEERS 219/6, New Baselwa Colony, Main By Pass Road, Near Sector-29, Faridabad 121 008 Tel: 0129-2501267 Fax: 0129-2501388 Email: info@rajshreeengineers.com www.rajshreeengineers.com Contact: Mr. Praveen Gupta-Proprietor Products: Tool Room Accessories, Mould & Die Spares & Special Tooling for CNC-Pipe bending machines & Tooling for winding machines.</p>	298	<p>RIYA ELECTRODES PVT.LTD. 103, Vigyapan Lok, Mayur Vihar Phase - I Extn. New Delhi - 110 091 Tel: 011-22712228 Fax: 011-22719497 Email: riyainter@vsnl.net Contact: Mr.M. Agarwal, Dir. Products: Representing World's leading cos. for various raw materials & consumables, for Mould & Die making such as Graphite, Filter, Resin, Polishing equipments etc.</p>
299	<p>RASANDIK ENGINEERING INDUSTRIES INDIA LIMITED 14, Roz-Ka-Meo Industrial Area, Sohna, Gurgaon -122 103 Tel: Plant I: 0124-2362646/47, 2363245/46 Plant II: 0120-2569790-93 Fax: Plant I: 0124-2362107 Plant II: 0120-2560169 Email: rajiv.kapoor@rasandik.com Contact: Mr. Rajiv Kapoor, MD Products: Press Tools & Dies, Jigs & Fixtures, TWB, Stampings & Assemblies, Frames, Skin, Panels, exhaust Systems etc</p>	300	<p>SHAILY ENGINEERING PLASTICS LTD 8, J P Nagar, Opp: GEB Colony, Old Padra Road, Baroda-390 015 Tel: 0265-330674/ 02667-44307 Fax: 0265-332723 Email: techserv@shaily.com Contact: MR. Nikhil Patel Products: Precision Injection Mould Making for Thermo & Thermo set plastic materials</p>
301	<p>SRIDEVI TOOLS ENGINEERS PVT LTD A-61, NandJyot Indl. Estate, Safed Pool, Andheri - Kurla Road, Mumbai - 400 072 Tel: 022-28518891/92 Fax: 022-28518893 Email: sridevitools@vsnl.com Contact: Mr. S C Kalyanpur, MD Products: Injection Moulds</p>	302	<p>SIEMENS LTD Thane-Belapur Road, Thane - 400 601 Tel: 022-27623311 Email: sanjeev.ashtaputre@kwa2.siemens.co.in Contact: Mr. S R Ashtaputre Products: Tool Room Progressive Dies, Compound Dies, Multi Cavity Moulds, Low Cost Automats</p>
303	<p>THE SUPREME INDUSTRIES LTD Bldg.11, 11-01, 12-61/1-62 Solitare Park, Guru Govindaji Marg, Andheri-Ghatkopar Link Road, Mumbai - 400 093 Tel: 022-55560000</p>	304	<p>SANSHA SYSTEMS LTD 146 B, Bommasandra Indl. Area Hosur Road, Bangalore-562 158 Tel: 080-7832498 Fax: 080-7833734 Email: sanshasys@yahoo.com OR</p>

	<p>Fax: 022-55560099 Email: bk_bhoumik@supreme.co.in Website:www.supreme.co.in Contact: Mr. B K Bhoumik Products: Products:Injection Moulds, thermoforming moulds, injection moulding& thermo forming</p>		<p>sansha@bgl.vsnl.net.in Contact: Mr. V Parthasarathy - Dir. Finance/ Mr. Shettigar Products: Tools/ Dies/Moulds/ Jigs, Fixtures Pressed components, CNC Toolings/ machine parts</p>
305	<p>SUNDARAM DYNACAST LIMITED No. 25, A/2,Sidco Industrial Estate, Ambattur, Chennai - 600 098 Tel: 044-26529911/ 26259169 Fax: 044-26259168 Email: sundyn@md3.vsnl.net.in Contact: Mr. Ravindran, VP Products: Precision Zinc Pressure Die Cast Components pertaining to Automobile Electrical/electronics, pen and bicycle industries</p>	306	<p>STANDARD TIN WORKS PVT LTD Standard House, Nr. Safed Pool, Off: A-K Road, Mumbai - 400 072 Tel: 022-28511913/ 8512758 Fax: 022-28514851 Email: standard@bom3.vsnl.net.in Contact: Mr. Z M Lala, MD Products: Manufacturers & exporters of general line of tin containers, bottle closures, compass/ pencil boxes battery cell, components, offset printed metal posters, printed/ lacquered tin plates</p>
307	<p>SANDVIK ASIA LTD - COROMANT DIVISION Bomaby Pune Road, Dapodi, Pune - 411 012 Tel: 020-7126491/ 7126492/3 Fax: 020-7124736/ 7127031 Email: nitin.chaudhari@sandvik.com www.coromant.sandvik.com Contact: Mr. Nitin Chaudhari- Mktg. Communication Manager Products:Manufacture of Tungsten Carbide Metal Cutting Products, Metal Forming Products, Mining products and equipments</p>	308	<p>SHOMA ENTERPRISES C-28, IInd Main, IInd Stage, Peenya Indl. Estate, Bangalore - 560 058 Tel: 080-8362476/ 8361750 Fax: 080-8361290 Email:shomaent@rediffmail.com Contact:Ms.Shashikala A Patel - Proprietor Products: Manufacturer of Die sets, mould bases, jigs and fixtures</p>
309	<p>SMJ MARKETING Manish Blitz' N.21 & 22, Pune - Solapur Road, Pune - 411 013 Tel:020-6816211/ 6816212 Fax:020-6816213 Email: smj1@vsnl.com Contact:Mr. A M Fernandes, CE Products: Marketing of sophisticated work holding and tool holding systems manufactured in Europe</p>	310	<p>SHIMOGA DIES & TOOLS Gala No. 104, Bldg.No.4 Ashirwad Indl. Estate Ram Mandir Rd, Goregaon(W) Mumbai - 400 104 Tel: 022-28758346 Fax: 28758346 Email: sdt@bom5.vsnl.net.in Contact: Mr. K Parameswaran - Partner Products: Mould Manufacturing</p>
311	<p>SHALIMAR WIRES INDUSTIES LTD. 2. Prabhat Udyog Nagar, Patel Estate, off. S V Road, Jogeshwari(W), Mumbai 400 102 Tel: 022-6787840/678 Fax: 022-6789497 Email: swilbom@bom5.vsnl.net.in Contact:Mr.S. Murthi, DGM</p>	312	<p>SUNITA ENGINEERING CORPORATION D-3,MIDC Ambad, Nashik422 010 Tel: 0253-2382003/ 2380049 Fax: 0253-2385406 Email:sales@secengraving.com Contact: Mr. Nitin N Kelkar - Partner Products: Manufacturers of 3D CNC Engraving Machines</p>

	Products:Non-Ferrous wire & strips(SEMIS) with speciality in strip/foil form & copper in strip/foil form		
313	SAMKRISH 3rd Flr, 42/109, J N Road, Loganathan Nagar, Chennai - 600 094 Tel:044-23612310/2493/2310516 Fax: 044-23612399 Email: samkrish@eth.net www.samkrish.com Contact:Mr. A Prakash,Manager Products:CNC Machines, CAD/CAM, Machine tools, Measuring metrology	314	SPARKONIX INDIA LTD A-16, H Block, MIDC, Pimpri, Pune - 411 018 Tel: 020-7470643 Fax: 020-7476452 Email: artechl@vsnl.com Contact: Mr. Shailesh Patwardhan, Marketing Manager Products: Mfg. of spark erosion machine
315	SUMO ENGINEERS 114, 1st Floor, 28th cross, 7th block, Jayanagar, Bangalore - 560 082 Tel: 080-6647529 Fax: 080-6531070 Email: sumoengineers@vsnl.net Contact: Mr. G Mohan Krishna Manager - Marketing Products:Sole indenting Agent for Lubro Industries Inc. S. Korea for their ITE Parts.	316	SYNVENTIVE MOULDING SOLUTIONS JBJ P LTD F-44, Sector 8,Noida - 201301 Tel: 011-8-4537255 Fax: 011-8-4537717 Email:infohrin@synventive.com Contact: Mr. Prashant Shelar Manager - Marketing Products:Hot runner solutions for any type of plastics injection moulding with all thermoplastics
317	SUHNER INDIA PVT LTD Plot No. 235, U2, Bommasandra Incl. Area, Bangalore 562 158 Tel: 080-7831108 Fax: 080-7831109 Email:blroffice.in@suhner.com Contact: Mr.H. Jayatheerth, Sales Manager Products: 1. Abrasive Powder Tools for stainless steels Die mould stone application. 2. Machining unit for low cost automation of drilling & tapping operations. 3. Flexible Transmission Shafts	318	SUBIR PRECISION INDUSTRIES PVT. LTD Unit No.35, INCA Indl. Estate, Chinchpada, Waliv, Vasai(E) Mumbai - 401 208 Tealeaf: 0250-28213807 Email: ajaytend@hotmail.com Contact: Mr.AjayTendolkar, Dir. Products: Manufacturers of Moulds & dies, machining of precision components of cnc machines
319	SEKAR INDUSTRIES No.17, Pandurangapuram Road Balaji Nagar, Padi, Chennai - 600 050 Tel: 044-26541024/5 Contact: Mr. M D Suresh - Proprietor Products: Manufacturers of Jigs, Fixtures and Press tools	320	SRI VISHNU TOOL TECH PVT LTD 5-70/C, Prasanti Nagar, Apiic Extension, IE Kukatpally, Hyderabad - 500 072 Tel: 040-23720014 Fax: 040-23076525 Email: vishnu_tooltech@rediffmail.com Contact:Mr.SSrinivas Rao,Dir. Products: MANUFACTURER OF PRESS TOOLS JIGS & FIXTURES, GAUGES AND JOB WORK ON C.N.C. WIRE CUTTING MACHINES.
321	SMRJ ENGINEERS PVT LTD Plot No.23 & 24 Shakthipuram I.E. Extn. Prasanthinagar, Kukatapally, Hyderabad 500 072 Tel: 040-23076159/ 23078098	322	SHREE KHODIYAR ENGINEERING WORKS 10A/11 Dev-Ashish, Bharucha Road, Dahisar(E), Mumbai - 400 068 Tel: 022-28952543

	Email: smrj_ind@yahoo.com Contact: Mr.S Jagga Rao, Dir. Products: JIGS, FIXTURES, MOULDINGS & PRESS TOOLS. COMPONENTS FOR DEFENCE ESTB. - DRDL, RCI, AFK, OEM & ASL.		Fax: 022-28951891 Contact:Mr.PravinBhai,Partner Products: INJECTION & BLOW MOULDS FOR PLASTIC INDUSTRIAL & PRESSURE DIE CASTING MOULDS.
323	SERMO -ARRK INDIA LTD 5/4 Nagar Road, Pune- 411 014 Tel: 020-66419300 Fax: 020-56419499 Email: mai@sermoarrkindia.com Contact:Mr.B Bhattacharya,DGM Products:Plastic Injection Moulds & moulding	324	SPECTRUM TOOL ENGINEERS PVT LTD No. 25, Petechanappa Indl. Estate, Kamakshipalaya, Magadi Road, Bangalore 560079 Tel: 080-3488629/ 3283601 Email: spectrumte@gmail.com Contact: Mr.V Sudarshan, Dir. Products:Precision Tool Room, Injection Moulded parts, Pressed Parts, Sub Assembly
325	SOUMYA ENGINEERING B-40, 2nd Cross, 3rd Stage Peenya Indl. Area, Bangalore - 560 058 Tel: 09900155246 Email: soumya_engineering@rediffmail.co m Contact: Mr. M.S. Krishna Reddy- Proprietor Products:Press tools, Moulds and Diecast	326	SESCOI INDIA SOLUTIONS PVT.LTD. 201-D, Choice Arcade, Dhole Patil Road, Pune - 411 001 Tel: 020-66015586 Fax: 020-66015587 Email: urmilas@sescoi.com Contact:Ms.Urmila Sharma,Dir. Products:Computer Aided Design & Manufacturing Software, Engineering Software
327	SANDEEP METALCRAFT PVT.LTD. D-16, MIDC Industrial Area Nagpur - 440 028 Tel: -7104-237878 Fax: 7104-236860 Email: info@sandeepmetalcraft.com Contact:Mr.Shyam Agrawal, MD Products: Precision Machined Components and Assemblies using CNC for Defence & Automobile Industry.	328	SAVITRI AUTOMATION 37/2, D-2 Block, MIDC Chinchwad, Pune Tel: 020-7471764 Telefax: 4112725 Email: savitriautomation@eth.net Contact:Mr. Sachin Agarwal/Mr. Vikas Agarwal-MD Products:Total Solution to Die & Moulds, CAD/CAM Services, CNC Machining.
329	SHRI GAJANANA INDUSTRIES C/7, Hind Savrashtta Indl. Estate, Marol, Andheri(E) Mumbai - 400 059 Tel: 022- 28509909/28591266 Fax: 022-28591266 Email: sgicadcam@gmail.com Contact: Mr.B. Devadas, -Prop. Products: Manufacturers & Exporters of Moulds and Dies of PVC Pipe Fittings, Electrical Conduits, S.W.R Fittings, Caps & Closures, Industrial items & Consumer Products.	330	STUDIO CNC 5/5,JOGANI INDUSTRIAL Complex V.N. Purav Marg, Sion-Chunabhati, Mumbai - 400 022 Tel: 022-25274464 Fax: 022-25233158 email:studiocnc@hotmail.com Contact: Mr. S. S. Sethi-MD Products: CNC Milling for Plastic Mould and Engineering Tooling.
331	SECO TOOLS INDIA GAT NO. 582, Pune NAGAR ROAD, KOREGAON BHIMA, TAL. SHIRUR, Pune - 412 216 Tel: 2137 667300 Fax: 2137 667430	332	SANDHAR STEADY STREAM TOOLING (P) LTD. Plot No. 92, Sector-3, IMT Manesar, Gurgaon - 122 050 Tel: 0124-2290804/ 816 Fax: 0124-2290939

	<p>EMAIL:seco.india@secotools.com www.secotools.com Contact: Mr. Erik Jonsson, MD Products:Cutting Tools, Subsidiary of Seco Tools AB (Sweden)</p>		<p>Email: ssstpl@vsnl.net Contact: Mr. Anand Kumar Seth - Jt. Managing Director Products:Commercial Tool Room (Plastic Moulds & Die-Casting Dies)</p>
333	<p>SHREE RAM INDUSTRIES B/57, KSSIDC Industrial Estate, Mahadevpura Post, Whitefield Road, Bangalore - 560 048 Tel:080-41158872/ 9845304363 Email: kossckr@yahoo.com Contact:Mr.C.Kothandaraman Proprietor Products:Press Tools & Press component supply</p>	334	<p>SHREE ENGINEERS B-10 Pavana Indl. Complex, T- 204, G.F. MIDC, Bhosari Pune - 411 026 Tel: 020-27121839/4113773 Telefax: 020-4113773 Email: shree-engineers@vsnl.net Contact: Mr. Eknath G. Kature- Proprietor Products: Mfg. Of Jigs & Fixtures, Moulds, Press Tools</p>
335	<p>SANSAR INDIA PVT.LTD. A-10, New Friends Colony, New Delhi - 110 065 Tel: 011- 26831794 Fax: 011-26848916 Contact: Dr.Sanjiv Jindal, Dir. Products: CAD/ CAM/ CAE Services. Plastic Raw Material selection, Highly Precision Tools/Moulds. Components Supply/Packaging Solutions</p>	336	<p>SIP TOOLS W-169, MIDC, PHASE II, Dombivali, Mumbai - 421 204 Tel: 0251-2871073 Fax: 5690188 Email: siptool@vsnl.com www.siptools.com Contact: Mr. Prakash Latkar/ Mr. Suresh Dingankar Products: Precision Tool Room with Jig Boring & Jig Grinding M/cs, CNC Milling & Lathe M/cs. ISO 9002 Co. with supplies to Defence & Automobile Industries.</p>
337	<p>SUNIKH PRECISION PVT.LTD. No. 41, Phase-II, Electronics City, Hosur Road, Bangalore - 560 100 Tel: 26686207, 26682268 Fax: 26687738 Email:sunikh@mantraonline.com Contact: Mr. M A Khadar, MD Products: Manufacture of Tool Elements by employing CNC Wire EDM Machines, Design & Manufacture of Press Tools</p>	338	<p>SWATI PRECISION TOOL ROOM # 71/2, 4TH Cross, Industrial Lane, Kamakshipalya, Magadi Road, Bangalore - 560 079 Tel: Telefaxl: 080-23584177 email:swatiprecision@sify.com Contact: Mr. M. Mahadevappa- Managing Partner Products: Manufacturing of Progressive Tools, Fully Automatic Injection Moulds, Specialised in Development of Impact Extruded Non- Ferrous Components & Tools & Deep Drawn Components & Tools, Jigs & Fixtures as per the requirement of the customer, Specialised in CNC milling of tool & Mould elements like Electrodes, Core & Cavities for Injection Moulds, punch and die for forming tools of automobile parts.ISO 9001 Co.</p>
339	<p>SHANKAR TOOLS AND COMPONENTS #47/1-137,4th Cross, 4th Main, Chandana Layout Sunkadakatte, Bangalore - 560 091 Tel: 080-23282939/23286809 Email: Moulding_tools@vsnl.net Contact: MR. Shankar Products: Design, Development &</p>	340	<p>S.L.S TOOL COMPANY No.21, Industrial Area, 27th Cross, 8thA Main Banashankari 2nd Stage, Bangalore- 560 070 Tel: 080-26712492 Fax: 080-26717420 Email: bhsankannavar@yahoo.co.in</p>

	Manufacture of Moulding Tools, Press Tools & Moulded Components		Contact:Mr.B.H. Sankammavar Tool Room Manager Products:Design Manufacture, Repair, Maintenance and production of Jigs, fixtures & all type of Tool Room work
341	S & T ENGINEERS 22M Vasanth Nagar, Singanallur, Coimbatore641005 Tel: 0422-2591470 Fax: 042 2573629 Email: stengine@md3.vsnl.net.in Contact:Mr.D.Shanmuga Sundaram - Managing Partner Products:Importers & Stockist of Tool Room machinerries & complete range of accessories	342	SANDEEP ENGINEERS 129, 1st floor, 6th Cross Bapuji Layout, Chandra Layout Vijayanagar, Bangalore 560040 Tel: 080-23390081 Fax: 080-23390098 Email: sebvs@vsnl.net Contact: Mr.B.V. Shyam, Prop. Products:Distributor/Agents for Metrology & CAD/CAM Products
343	SKYTECH ENGINEERING 25/3 Lakkammanahali Ind. Area, Behind K.M.F., Dharwad, Karnataka - 580 004 Tel: 0836-2227266 Fax: 0836-2462754 Email: skytech@skytechdwd.com Contact: Mr. Nagaraj C. Yelligar-Partner Products: Manufacturers & designers of Injection Moulds, Press Tools, Jigs & Fixtures, Pressure Die-casting Dies, Pressed and Moulded components.	344	SRI GANESH SALES & SERVICE # 1521, 1st floor, Gayatri Meridian, 17th Cross, Tank Bund Rd,2nd "A" Stage, Rajajinagar, Bangalore 560010 Tel: 080-55364695 Fax: 080-23376319 Email: sales@sriganesh.org Contact: Mr. Suresh Bhat Products: Sales & Service of Machine Tools like EDMs, CNC EDMs, CNC wire cut EDMs, CNC machining Centers, Surface Grinding Machines, Milling Machines Lathes, Cylindrical Grinders, Plastic Injection Moulding M/cs and Profile Projectors and Gauges etc
345	SHRADHA TOOLS & DIES Q-24, Industrial Estate, Gokul Village, Hubli- 580 030 Tel: 0836-2236898 Fax: 0836-22336898 Email: shraddhatd@rediffmail.com Contact: Mr. Sharanappa, Prop. Products: Design & Manufacture of Press Tools, Jigs, Fixtures, Special Tooling & Equipments.	346	SAMARTH TOOLINGS & EQUIPMENTS S-50 Industrial Estate, Gokul Village, Hubli - 580 030 Tel: 0836-2330310 Fax: 0836-230310 Email: samarth-te@rediffmail.com Contact:Mr.Girish S. Kulkarni Partner Products: Design & Manufacture of Press Tools, Jigs, Fixtures, Moulds, Special Tooling & Equipments
347	SIX FACE TOOLS 48, Gowdana Pallya (Behind Rapsri Engg)Subramanyapura Post, Bangalore - 560 061 Tel: 080-26662931 Fax: 080-26662351 Contact: Mr. R. Shanmugham, Proprietor Products: Mfg. Of Press Components, Plastic Injection Moulding components & tools	348	STIACK IMPEX PVT LTD 203, Turf Estate, Shakti Mills Lane, Off: Dr. E. Moses Road Mahalaxmi, Mumbai - 400 011 Tel: 022-66120060 Fax: 022-66120064 Email: anil.kilachand@stiack.com www.stiack.com Contact: Mr. Anil C Kilachand President Products: Representative of

			Standard Components for the tooling industry
349	SUBROS LTD B 216, Phase II Noida 201304 Tel:0120-2460135, EXTN.297 Contact: Mr. Nagendrappa Pujari-GM(Toolroom) Products: Mfg & design of Mould Dies	350	SOUTHERN PRECISION INDUSTRIES No.55/3 Mari Amman Kovil Cross Street, Mathiyazhagan Nagar, Padi, Chennai - 600 050 Tel: 044-26252422 Fax: 044-26252422 Contact: Mr. M. Rajendran Products: CNC Drilling/Boring, Jig Boring M/cs, Conventional Machines & gauges for Automobile, Precision Machines & Related Services
351	TVS MOTOR COMPANY LTD. Post Box No.4, Harita, Hosur Karnataka - 635 109 Tel: 04344-276780 Fax: 04344-277414 Email: kovai.vkc@tvsmotor.co.in Contact: Mr. Kovaichelvan V - Vice President - HRD & TQC Products: Mopeds, Motorcycles and Scooters	352	TOOLS AND INSTRUMENTS CO A-10, SIDCO Indl. Estate, Villivakkam, Chennai -600 049 Tel: 044-26172591/ 26170449 Fax: 26171097 Contact: Mr. N S Sundaram, CE Products: Tools & Gauges, Manufacturing import substitute items and other tooling.
353	TYCO ELECTRONICS TOOLS (INDIA) PVT. LTD Plot No. 44, Cochin Export Processing Zone, Kakkanad, Cochin - 682 030 Tel: 0484-241 3036 Extn : 203 Fax: 0484-241 3037 Email: binodjm@tycoelectronics.com www.tycoelectronics.com Contact: Mr. Binod J Mampilli - Human Resources Products: Dies, moulds & spares	354	TAEGUTEC INDIA LTD. Plot No.119 & 120, Bommasandra Indl. Area, Phase-IV, Bangalore - 560099 Tel: 080-7831870 Fax: 080-7831869 Email: sales@taegutec-ndia.com Contact: Mr. L Krishnan, MD Products: All ranges & grades of tungsten carbide cutting tools
355	TRIMOS METROLOGY (I) PVT LTD 205/ 207, 2nd Flr, Hamilton, A Wing, Hiranandani Estate, Behind Municipal Commissioner's Bungalow, Patlipada, Off Ghodbunder Rd., Thane 400 607 Tel: 022-55999551/2/3 Fax: 022-55999554 Email: trimos@bol.net.in www.trimosmetrology.com Contact: Mr. Vivit Dalal, MD Products: 1.Import & Indenting of precision measuring equipment from USA, Germany & Switzerland 2.Repair & calibration of all types of measuring instruments 3. Metrology related softwares 4.Purchase & sale of 2nd hand measuring instruments 5. Buy back schemes	356	TAL MANUFACTURING SOLUTIONS LTD. TATA Motor Premises Chinchwad, Pune - 411 033 Tel: 020-7405582 Fax: 020-7476318 Email: lkpahwa@telco.co.in Contact: Mr. L. K. Pahwa, VP Mr. Santosh Gururaj, Marketing Head - Machines Products: Design, development and mfg. of machine tools and process equipments
357	TESPA TOOLS PVT LTD D 105, First Main Rd, Annanagar(E), Chennai-600 102 Tel: 044-26632191/ 26630569/	358	TATA MOTORS LIMITED - PRODUCTION ENGINEERING DIVISION, Pimpri Works, Pimpri, Pune - 411 018 Tel: 020-7474261

	26631820 Fax: 044-26632575 Email: mktg@tespaindia.com www.tespaindia.com Contact: Mr. K S Shetty, MD Products: Inprocess Gauging Systems, (Both Electronic and Mechanical) Multi gauging systems with SPC & SQC Analysis, Bore Gauge electronic Comparator, Precision machines Components, Electronic Comparator, Electronic Regulator Assemblies		Fax: 020-7472308 Email: vyp13392@tatamotors.com www.tatamotors.com Contact: Mr. V Y Pandit - Divisional Manager, Production Products: Design & Mfg. of (a) Sheet Metal Dies for Automotive Components (b) Welding Fixtures for Sheet Metal Component and (c) Jigs and Fixtures for chip forming components (d) Plastic Injection moulding dies (e) Soft tooling for sheet metal components
359	TECHNOCRAFT ENTERPRISES 905/7, GIDC Estate, Makarpura, Baroda - 390 010 Tel: 0265-2645941 Email: techocr@wilnetonline.net www.technocraftent.com Contact: Mr. Dinesh S Mewada, CE Products: Design & manufacture of high precision press tools, moulds and dies	360	THRIAM MOULDS & DIES PVT.LTD. Gala No.1, Chugatta Estate Behind State Bank of India Saki Vihar Rd. Sakinaka Mumbai - 400 072 Tel: 022-28501458/9 Fax: 022-28514729 Email: thriambom@vsnl.com Contact: Mr. Madhu Kumar - MD Products: Manufacturing of Mould & Dies, Press Tools & Mouldings
361	TAG ENGINEERS PVT LTD G-2, Shreyanand, Kolshet Rd., Thane(W), Mumbai - 400 607 Tel: 022-30921571 Fax: 022-25381149 Email: info@forings-casting.com www.forings-casting.com Contact: Mr. Neeraj Rai, Dir. Products: Authorised representative & stockist of AFCO Steel (Finkl) USA, High Speed Steel, Forged bars, hot work tool steel, plastic moulding steel, D2/D3/D5, H11/H13, Forging die steel, lens quality tooling material, Cu-Al tool material	362	TITAN INDUSTRIES No.28, Sipcot Industrial Complex, Clock & bracelet plant, Hosur, Karnataka - 635 126 Tel: 4344-274810 Fax: 4344-276523/037 Email: sridharans@titan.co.in www.titanworld.com Contact: Mr. S. Shridharan - Manager - Sales & Mktg. Products: Precision Engineering, Machined Components, Injection Moulded Components, Auto-Clocks, Electro mechanical assemblies, Tools & Moulds
363	TG KIRLOSKAR AUTOMOTIVE PVT.LTD Toyota Techno Park, Plot No. 20, Bldg. No.1 Bidadi Indl. Area, Ramnagar Taluk Bangalore(Rural) - 562 109 Tel: 080-7287160/61/76/77 Fax: 080-7287152/71 Contact: Mr. Chandrashekar Simha Products: Manufacture of quality Automotive Plastic parts and steering wheels	364	THERMO METAL PROCESS No.57, 10th Cross, Doddana Indl. Est. Near Peenya 2nd Stage, Bangalore - 560 091 Tel: 080 28362994 Email: thermometalprocess@rediffmail.com Contact: Mr. G.R. Vijaya Kumar - Proprietor Products: Heat Treatment for special tool and alloy steel
365	TOOLMAK Unit No.19, T.I.E, Balanagar Hyderabad - 500 037 Tel: 040-23074644 Fax: 040-23075853 Email: toolmak@sify.com Contact: Mr. K. Ramachandran - Proprietor Products: Manufacturer of	366	TECHTRONICS (INDIA) LTD. 138A, Udyog Vihar, Sector-37, Phase VI, Gurgaon - 122 001 Tel: 0124-2370555 Fax: 0124-2370666 Email: tarun@techtronics.co.in Contact: Mr. Sudhanlshu Sharma - MD Products: Import/Marketing of all types of Industrial Machineries,

	Pressure Die-Casting Dies, Injection Moulds & Press Tools		Tooling and Accessories worldwide main products being CNC VMCs, HMCs, EDMS, Wire EDMs, Lathes/Turning Centers, Forging Presses, Aluminum Extrusion Presses Die Spotting Press Grinding Machines, Tool Presettters.
367	TATA CONSULTANCY SERVICES LTD #18, SJM Towers, Sheshadri Rd. Gandhinagar, Bangalore 560008 Tel: 080-56606279 Fax: 080-22207510 Email: praveen.koti@tcs www.http://www.tcs.com Contact: Mr. Praveen Koti@tcs.com Products: CAD/CAM/CAE solution - unigraphics software, vericut software, Mouldflow software, Mfg PRO ERP	368	TIDC INDIA LTD Unit OF Tube Investments of India Ltd, Post Box No.11, Ambattur, Chennai - 600 053 Tel: 044-4223542 Fax: 044-42235556 Contact: Mr. V. Srinivasn-Sr. Manager-Toolroom Products: Industrial & Automotive Chains & fine blanked Parts
369	TIMEX WATCHES LTD C-35, Sector-59, Gautam Budh Nagar, Noida - 201301 Tel: 0120-2581906 Fax: 0120-2581905 Email: KGhosh@Timex.com Contact: Mr. Kalyan Ghosh- Business Manager Products: Commercial Toolrom, Manufacture of Precision Moulds upto 150ton machine capacity. Customers include Switch Gear Industry, White good industry, Automobile, Medical and FMCG	370	TECHNO MOULDS No.18 Balaji Nagar, Padi, Chennai - 600 050 Tel: 044-26540354 Fax: 044-26540354 Email: chenni@vsnl.net Contact: Mr. M.S. Elenchet Chennai- Proprietor Products: Manufacture of Plastic Injection Moulds, Jigs, Fixtures & Gauges
371	UNIMARK 201, Vikrant Indl Estate, Opp: Victory Flkask, Govandi Mumbai - 400 088 Tel: 022-25506712/ 25506425 Fax: 022-25506713 Email: infomum@unimark.co.in Contact: Mr. Y R Anand Products: Hot runners, gas springs, quick couplings	372	USBCO STEELS PVT.LTD. 211, Dalamal Towers,, 211, Free Press Journal St. A Wing, Mumbai - 400 021 Tel: 56304853/54/55 Fax: 022-22856313 Email: bom_ke@satyam.net.in Contact: Mr. R S Kejriwal - Partner/ Mr.M J Iyer, Branch Manager Products: Import high alloy & tool steels from renowned mfgs. in East & West Europe.
373	UNIVERSAL ENGINEERING & MANUFACTURING INDUSTRY Shed-8, F-II Block, MIDC Indl. Estate, Pimpri, Pune - 411 018 Tel: 020-7474188/ 89 Fax: 020-7470248 Email: djp@viaspn01.vsnl.net.in Contact: Mr. S J Bajaj, Dir. Products: Mfgr. of solid carbide tools, drills, cutters end mills, special tools, form cutters, extra long drills, mould mills moulders system	374	UPTECH ENGINEERING Gate No.274, Nanekarwadi, Pune- Nasik Highway, Khakan, Tal:Khed, Pune - 410 501 Tel: 020- 4101194/1195 Fax: 020-4101497 Email: uptechengg@yahoo.com Contact: Mr.B.R. Shah, Prop. Products: Manufacturers of "ULTRA" Brand Precision Inspection Instruments. Magnetic Tools & Machine shop aids such as V' Blocks, Magnetic Chucks, EPM chucks, Magnetic lifters, Sine tables, Megnetic Dial stands, Try-

	tools, indexable tools		square, Magnetic sweeper & Separator.
375	ULTRA ENGINEERS Sector No.7, Plot No.173 PCNTDA, MIDC, Bhosari, Pune - 411 026 Tel: 020-7123138 Fax: 020-7122480 Email:ultraengineers@vsnl.net Contact: Mr. Ashok Bhosle Products:Carbide Dies, Jigs fixtures, press tools, SPM, Gauges	376	UNITED SALES ENTERPRISES 94-2,S.P.Road, Behind Sharada Talkies, Bangalore - 560 002 Tel: 080-2222107 Fax: 22236052 Email: usesepl2004@yahoo.com Contact: Mr. G.C. Agarwal Products:Manufacturer & Importer of Tool, Dies, & Mould Steels
377	UNIPACK PACKAGING PVT.LTD. Plot No.9, Mahila Udyami Park Joy City Road, Dist. Gautam Budh Nagar, Greater Noida. Tel: 0120-2350896/7/8 Fax: 0120-2350899 Email: unipack@unipackindia.com www.unipackindia.com Contact: Mr. Alok Kedia-MD Products:Commercial Tool room, New Mould Mfg. upto 450 ton, CNC Job work, EDM & Milling, Main customer White good, Automobile, Switch Gear	378	VANULA TOOLS & MOULDS PVT LTD 93A, Mittal Tower, Nariman Point, Mumbai - 400 021 Tel: 022-22834520/ 22824421 Fax: 022-22872144 Email: vdesbs@hotmail.com www.indiandiecasting.com Contact: Mr. Sitaram B Shah Products:Pressure Diecasting moulds
379	VIDEOCON INDUSTRIES LTD. Videocon Narmada Glass Divn Videocon House, P.O.Box 68, Village Chavaji, Bharuch - 392 002 Tel: 02642-240803/ 243535 Fax: 02642-241965 Email: vng@narmada.net.in Contact: Mr. C.V. Raju, GM Products: Colour picture tube glass shells, CNC,CMM, Electro plating & plasma coating facilities	380	VIJAYDEEP TRADERS Shop. No.18, Moonlight Shopping Centre, Near Vishal Hall, Sir M.V. Road, Andheri (E), Mumbai - 400 069 Tel: 022-26830212 Fax: 022-28207619 Email: dkyogesh@bom5.vsnl.net.in www.vijaydeep.com Contact: Mr.Yogesh S Shah, Prop. Products: Tools, Components, Accessories for dies & moulds inds. Press metal components mfrs. TRMs, Jigs & Fixtures
381	VASANTHA TOOL CRAFTS PVT LTD 7-24/2 Pipeline Rd, Subhash Nagar, Jeedimetla, Hyderabad - 500 055 Tel: 040-23091011/ 23092073 Fax: 040-23097023 Email: hyd2_vasantha@sancharnet.in www.vasanthatools.com Contact:Mr. A Dayanand Reddy, Products: Design & Mfgr. of Injection Moulds	382	VIP INDUSTRIES LTD 78A, MIDC, Satpur, Nasik Tel: 0253-350876 Fax: 0253-350756 Email: ashishksaha@vipluggage.com www.vipbags.com Contact: Mr. A K Saha Products: Luggage - Furniture - Toys - Elements
383	VIDEOCON INTERNATIONAL LTD 14 Kms Stone, Aurangabad, Paithan Road Village, Chitegaon Aurangabad - 431105 Tel: 02431-251532 Email:amitra@videoconmail.com Contact: Mr. A K Mitra, DGM Products: Manufacturer of	384	VIJETHA POLYTEK PVT LTD 5-35/274 Prashant Nagar, I.E. Kukatpally, Hyderabad 500 072 Tel: 040-23077092/93 Fax: 040-23077094/ 23077818 Email: vijethapoly@sify.com Contact:Mr.Nageswara Rao,Dir. Products: Manufacturer of injection

	plastic injection moulds		moulds & components
385	VEEJAY TOOL AND DIE LTD No.8, ATT Colony, Coimbatore-641018 Tel: 0422-2214327/2215814 Fax: 2214327 Factory 2460618 Email: vjterry@eth.net Contact: Mr.J Vijay Kumar, MD Products:Plastic moulds for inhouse use and associated companies	386	VMW MOULD PVT LTD A/9,Gr. Floor, Virvani Indl. Estate, Western Express Highway, Mumbai - 400 063 Tel: 022-28775217, 28775233 Fax: 022-56923926 Email: vmwmoulds@vsnl.net www.vmwmould.com Contact: Mr. Ketul N Vadgama Products: Manufacturers of Plastic moulds, engraving, any engineering parts
387	VISHAL PRECISION PRODUCTS PVT.LTD. Glory Manor, 113A, Kaveri Nagar, Vilankurichi Road, Peelamedu, Coimbatore 641 004 Tel: 0422 2513064 Fax: 0422-2513853 Email:vppl@md3.vsnl.net.in Contact: Mr. D.Jayaseelan-MD Products:Mfrs. Mould Base, Component Export - Jigs & Fixtures, Precision Compoments, Sub-Assembly, Job works	388	VRINDAVAN ENGINEERING WORKS 16/6 Nanded Phata, Near Sawali Dhaba, Pune - 411 041 Tel: 020-24393864 Contact: Mr. Anil B Kulkarni- Proprietor Products: Manufacturers of Press Tools & Inject Moulds
389	VIPUL - S PLASTOCRAFTS (P) LTD 183, TATHAWADE, TAL - MULSHI Pune - Tel: 020-22932212 Fax: 020-22932184 Email:info@vipul.co.in Contact: Mr. T P Vijayan, MD Products: Manufacturer of Engineering Plastic Components and Moulds	390	VENKATESHWARA LAMINATIONS & PRESSINGS PVT.LTD. Plot No. 3, I.D.A, Balanagar, Hyderabad 500 037 Tel: 040-23079852 Fax: 040-23079852 Email: kdmbhamr@yahoo.com Contact: Mr.K.Premkumar, Dir. Products:Press Tools & Moulds, Special Purpose Machines, Electrical Stampings
391	VORA INDUSTRIES 91, Jawahar Ind. Estate Panvel - 410209 Tel: 022-27421961 Fax: 022-27421688 Email: info@voratools.net Contact: Mr. Jainesh N. Vora- Technical Director Products: Manufacturers of Solid Carbide Tools like End Mills, Ballnose End mills, Twist drills, Special Carbide Tools, PCD & CBN Tools, Inserts, HSS Tools like Milling Cutters.	392	WESMAN ISPEN FURNACES (P) LTD Wesman Centre, 8 Mayfair Rd, Kolkata - 700 019 Tel: 033-2405320 Fax: 033-2801725 Email: ipsen@wesman.com www.wesman.com Contact: Mr. S C Maggu, VP Products: Atmosphere controlled & vaccum heat treatment furnaces
393	WALTER TOOLS INDIA PVT.LTD. Mumbai Pune Road, Dapodi, Pune - 411 012 Tel: 020-27145028 Fax: 020-27148775 Contact: Mr. Atul Nagpal, DM Products: Providing M-TAL Cutting Solution with Modern	394	WINTOOLS INDIA Slot No. D-30, Phase IV Exten IDA,Jeedimetla, Hyderabad - 500 055 Tel: 040-23194759 Fax: 040-23098044 Email: prasad@wintoolsindia.com www.wintoolsindia.com

	Carbide Cutting Tools		Contact: Mr. R.L. Prasad-Managing Partner Products: Standard Mould Bases & Moulds for Injection & Pressure Die Casting Dies, Machined Components & Injection & Blow Moulded components.
395	XLAR ENTERPRISES KD-95, KaviNagar, Ghaziabad - 201 002 Tel: 0120-2719034 Fax: 0120-2759164 Email: sudhir@nde.vsnl.net.in Contact: Mr. Sudhir Kapur Products: 1. JTE Micro deposit welder (no heat process) for moulds 2. Tohatsu, Japan, springs for dies & moulds	396	YASH TOOLS (I) PVT LTD Shop No. 2, Louis Palace, Orlem, Tank Rd, Malad (W), Mumbai - 400 067 Tel: 022-28631094 Fax: 022-28626877 Email: nsagency@bom3.vsnl.net.in Contact: Mr. Nikhil S Sheth, MD Products: Gesswein - Polishing Stones, Diamond Compound, Baiter-Swiss Needle & Riffler Files
397	YOGESHWAR ENGINEERING P. LTD W-150(A), Ambad, MIDC Nashik - 422 010 Tel: 02532-382830/ 384232 Fax: 02532-382832 Email: info@carbideindia.com Contact: Mr. Yogesh Kanani, MD Products: Tungsten Carbide Tips for Cutting mining and wire part application, tungsten carbide slip gauges, tungsten copper alloys	398	YG-1 INDUSTRIES INDIA PVT LTD. Plot No. A-306, Road No. 32, Wagle Indl. Estate, Thane Mumbai - 400 604 Tel: 022-25804059 Fax: 022-25803576 Email: ravisharma@yglindia.com Contact: Mr. Ravi S. Sharma, VP Products: Ultra fine micro structure and microstructure carbide end mills, drills, rotary burry., HSS Drills, End mills, Taps
399	YUDO HOT RUNNER INDIA PVT LTD. A-113/114 Evershine Indl. Estate, Waliv Road, Chinchpada Junction, Vasai, Dist. Thane - Tel: 0250-245155 Fax: 0250-245158 Email: yudo@yudoindia.com www.yudo.com Contact: Mr. Vishal Agarwal, Dir. Products: Hot Runner Systems, Heaters, Thermocouple, Controllers Robots for Moulding Machines & factory automation	400	YESHSHREE PRESS COMPS PVT LTD B-48, MIDC, Waluj, Aurangabad - 431 136 Tel: 0240-2555810 Fax: 0240-2554361 Email: pa@yeshshree.com www.yeshshree.com Contact: Mr. Hemant Madhukar Kant - CEO Products: Press Components, Fabricated Assemblies, Finished Three Wheeler Auto Rickshaw Bodies, Two Wheeler Components with Powder Coating & Plating, Cold forged components and press tools
401	ZYFIX TOOLS PVT LTD Plot No.1/B-5 IDA, Phase-I, Sri Venkateswara Co.op. Indl. Estate Balanagar, Hyderabad - 500 037 Tel: 040-26508880/23771633/ 55508880 Fax: 040-23778302 Email: zyfy_tools@rediffmail.com Contact: Mr. M Ravindranath Tagore - Managing Director Products: Manufacture of mould bases (IE Standard & Custom built)	402	ZAHORANSKY SARIN MOULDS & MACHINES PVT.LTD D-299, TTC Indl. Area, MIDC, Turbhe Naka, Navi Mumbai - 400 705 Tel: 022-27618067 Fax: 022-27618064 Email: riyaz@zahosarin.com / rainer@zahosarin.com Contact: Mr. Riyaz M.S. Varawalla-Director Products: Taper Adaptors and Accessories

TOOL EXPORTS OF VARIOUS COUNTRIES

Exports 2001-2005					
Product group: 695 - Tools for use in the hand or in machines					
Reporter	Value 2001 US\$ '000	Value 2002 US\$ '000	Value 2003 US\$ '000	Value 2004 US\$ '000	Value 2005 US\$ '000
1. Germany	2,936,645	3,116,179	3,800,856	4,808,773	4,960,822
2. China	1,180,570	1,414,835	1,761,180	2,344,464	3,017,930
3. United States of America	2,416,549	2,331,418	2,415,481	2,736,759	2,934,479
4. Japan	2,016,773	1,989,340	2,205,916	2,760,104	2,716,346
5. Taiwan, Province of China	1,322,449	1,356,344	1,431,606	1,601,848	1,694,519
6. Italy	920,015	927,998	1,070,840	1,279,435	1,349,539
7. United Kingdom & Northern Ireland	921,355	908,739	1,042,778	1,212,732	1,229,189
8. Switzerland	805,828	819,326	964,032	1,088,694	1,106,326
9. Belgium	583,923	607,792	767,354	915,026	1,006,262
10. France	660,030	722,860	833,052	938,057	969,552
11. Sweden	703,737	753,333	887,915	999,909	968,158
12. Korea, Republic of	360,992	394,313	509,727	694,554	853,627
13. Austria	501,330	523,663	681,576	740,516	737,873
14. Singapore	297,615	342,502	482,708	570,164	666,779
15. Israel	431,335	423,641	451,430	555,765	614,050
16. Spain	389,641	431,871	598,380	586,366	577,878
17. Canada	394,315	417,961	480,330	459,157	477,173
18. Hong Kong a	311,299	358,547	352,351	372,390	431,082
19. India	176,716	191,943	243,680	290,030	404,572
20. Netherlands	635,518	257,427	300,449	344,892	391,194
21. Czech Republic	148,203	159,987	219,970	287,635	297,606
22. Brazil	112,759	104,361	136,500	171,297	252,033
23. Mexico	630,529	454,420	149,186	182,836	250,897
24. Poland	62,929	74,577	103,983	144,724	182,489
25. Denmark	95,730	105,781	119,878	131,695	145,367
26. Malaysia	73,082	69,759	84,499	149,111	138,467
27. Russian Federation	348,258	93,030	91,943	104,527	118,511
28. Ireland	75,061	81,539	87,568	121,511	116,746
29. Slovenia	68,151	78,360	105,013	108,204	112,730
30. Thailand	42,658	47,836	67,175	96,396	103,222
31. South Africa	69,474	76,262	97,741	85,965	101,553
32. Finland	49,176	61,171	76,277	88,313	92,345
33. Portugal	53,501	61,003	78,317	97,806	89,589
34. Australia	59,872	57,578	63,641	70,400	86,027
35. United Arab Emirates	61,246				
36. Hungary	42,907	46,067	55,170	63,958	61,174
37. Turkey	19,232	20,699	33,417	43,048	52,950
38. New Zealand	34,756	38,709	40,401	46,693	51,049
39. Slovakia	20,656	25,520	28,576	33,522	44,846
40. Indonesia	12,046	11,402	15,514	27,155	43,991
41. Ukraine	380,075	599,561	33,428	26,602	40,675
42. Norway	38,511	39,046	34,664	31,636	39,539
43. Argentina	38,938	38,096	19,195	34,757	32,604
44. Colombia	19,598	18,255	17,423	24,022	31,728
45. Luxembourg	16,953	16,127	23,327	27,852	30,906
46. Greece	5,916	19,407	20,321	27,686	27,164

Exports 2001-2005					
Product group: 695 - Tools for use in the hand or in machines					
Reporter	Value 2001 US\$ '000	Value 2002 US\$ '000	Value 2003 US\$ '000	Value 2004 US\$ '000	Value 2005 US\$ '000
47. Romania	11,624	10,033	12,897	19,237	22,715
48. Belarus	13,985	14,073	14,894	20,984	20,900
49. Bulgaria	9,801	9,298	12,368	17,156	19,809
50. Croatia	7,370	9,481	12,165	15,576	17,989
51. Venezuela (Bolivarian Republic of)	11,059	13,120	9,695	15,349	14,499
52. Bosnia and Herzegovina			1,118	12,898	13,237
53. Serbia and Montenegro	7,784	6,868		12,235	
54. Philippines	13,012	13,568	16,433	7,805	11,486
55. Estonia	5,271	7,739	7,451	9,873	10,590
56. Pakistan	1,548	994	13,281	13,156	10,539
57. El Salvador	8,491	9,009	9,684	10,535	
58. Brunei Darussalam	10,642	9,403	31,401		
59. Saudi Arabia	1,954	1,505	4,070	8,120	9,196
60. Chile	4,944	4,009	4,577	5,870	8,543
61. Côte d'Ivoire		8,542	12,796		
62. Lithuania	4,570	4,375	4,976	6,366	7,318
63. Viet Nam	2,806	7,294	7,868		
64. Tunisia	3,792	4,299	11,399	10,050	6,698
65. Latvia	2,847	4,394	4,694	7,179	6,582
66. Kazakhstan	3,831		6,410	6,230	
67. Namibia	408	5,835	1,397		
68. Malta	1,841	2,647	2,141	2,884	4,153
69. Algeria	1,349	1,980	1,828	2,880	
70. Kenya	810	2,353	2,849	2,612	
71. Ecuador	809	1,077	2,146	2,969	2,373
72. Trinidad and Tobago	2,304	1,969	1,782	1,263	2,219
73. Morocco	341	774	535	1,155	2,030
74. Bahamas	2,021				
75. Jordan	6,603	1,879	1,547	2,706	2,014
76. Lebanon	1,297	950	1,233	1,991	
77. Papua New Guinea	210	1,739	1,827		
78. Qatar		1,055	294	802	1,625
79. Peru	1,986	1,092	1,586	1,466	1,527
80. Guatemala	539	451	913	1,403	1,524
81. Ghana	131		9,162	1,522	
82. Azerbaijan	1,220	1,670	433	1,461	1,339
83. Kyrgyzstan	429	1,014	872	1,189	1,292
84. Uganda	414	420	98	407	1,269
85. Iran, Islamic Republic of	155	303	1,169	408	1,028
86. Honduras	17	79	470	1,026	1,022
87. Bolivia	3,455	1,301	1,136	4,558	964
88. Yemen		30	395	937	939
89. Zimbabwe	73	2,371		904	
90. Malawi	95	74	51	65	867
91. Armenia	191	154	151	221	742
92. Moldova,	73	405	905	1,080	736

Republic

Exports 2001-2005					
Product group: 695 - Tools for use in the hand or in machines					
Reporter	Value 2001 US\$ '000	Value 2002 US\$ '000	Value 2003 US\$ '000	Value 2004 US\$ '000	Value 2005 US\$ '000
93. Albania	364	129	186	1,848	710
94. Egypt	279	416	654	677	
95. Mauritius	500	619	518	351	606
96. Costa Rica	681	858	348	429	568
97. Gabon	1,458	811	886	550	
98. Zambia	155	456	492	305	533
99. Dominican Republic	419				
100. Iceland	319	108	145	221	393
101. Cameroon	79	318	210	415	383
102. Macao Special Administrative Region of China	78	93	74	383	
103. Mozambique	38	332			374
104. Sri Lanka	204	320	104	74	370
105. New Caledonia	316	100	128	74	352
106. Swaziland	332	317			
107. Barbados	2,803	2,919	1,327	116	313
108. Botswana	127	284	386		
109. Belize			37	224	280
110. Uruguay	67	28	25	314	272
111. Jamaica	134	213	142	247	
112. Fiji	328	147	130	257	218
113. Senegal	327	926	319	189	214
114. Cuba	228	199	312		
115. Cyprus	332	221	198	526	182
116. Panama	58	181			
117. Nigeria	106	155	2,237		
118. Bahrain		15	5	26	154
119. Georgia	209	162	16	41	137
120. Aruba		633	854	132	
121. Andorra	247	269	209	128	
122. Kuwait	127				
123. Macedonia, Republic of	331	250	127	140	126
124. Turks and Caicos Islands	36	161	47	114	
125. Saint Lucia	35	217	56	288	112
126. Guyana	79	73	15	6	97
127. United Republic of Tanzania	18	42	363	1,019	95
128. Bangladesh	403	271	16	82	
129. Oman	93	158	146	211	78
130. Antigua and Barbuda					70
131. Saint Kitts and Nevis	8	78	36	29	62
132. Madagascar	22	14	36	61	
133. Mali	59				
134. Gambia	1	43			
135. French Polynesia	150	206	120	50	42
136. Maldives				39	36

Exports 2001-2005

Product group: 695 - Tools for use in the hand or in machines

Reporter	Value 2001 US\$ '000	Value 2002 US\$ '000	Value 2003 US\$ '000	Value 2004 US\$ '000	Value 2005 US\$ '000
137 Saint Vincent and the Grenadines	39	41	122	203	33
138 Nicaragua	52	310	18	105	27
139 Central African Republic	4	1			24
140 Cambodia	51	17	376	23	
141 Greenland	22	23			
142 Burkina Faso	47	33	178	22	
143 Sudan		21			
144 Niger	40	19	10		
145 Dominica	78	7	3	4	16
146 Eritrea		14	4		
147 Guinea	57	14			
148 Grenada	17	165	9	13	
149 Burundi		0	20	0	13
150 Lesotho	246	12			
151 Mongolia	4	1	38	7	11
152 Samoa	48	26	281	10	
153 Paraguay	5	191	16	10	
154 Togo	0	20	59	0	7
155 Seychelles			4	6	
156 Sao Tome and Principe		4	7		
157 Benin	17	1	12	15	4
158 Faeroe Islands		2	2	2	
159 Montserrat	3	0	10	55	1
160 Anguilla	29	146	22	1	
161 Nepal			24		
162 Rwanda			3		
163 Syrian Arab Republic			126		

Reference: International Trade Center (UNCTAD / WTO)

TOOL IMPORTS OF VARIOUS COUNTRIES

Imports 2001-2005					
Product group: 695 - Tools for use in the hand or in machines					
Reporter	Value 2001 US\$ '000	Value 2002 US\$ '000	Value 2003 US\$ '000	Value 2004 US\$ '000	Value 2005 US\$ '000
1. United States of America	3,305,050	3,615,398	4,026,444	4,547,491	4,693,996
2. Germany	1,807,324	1,706,561	2,140,923	2,651,051	2,664,871
3. Canada	1,114,657	1,182,347	1,263,480	1,458,779	1,553,693
4. China	370,585	544,879	826,627	1,222,802	1,496,452
5. France	946,638	981,719	1,137,498	1,402,656	1,414,353
6. United Kingdom & Northern Ireland	1,203,039	1,093,672	1,141,753	1,289,860	1,382,665
7. Italy	897,257	867,538	1,051,963	1,179,178	1,235,851
8. Belgium	652,937	650,903	756,430	876,524	1,010,673
9. Japan	542,571	528,633	605,032	760,450	865,396
10. Mexico	697,869	666,109	633,219	814,985	862,258
11. Spain	475,506	540,001	627,548	782,767	791,126
12. Singapore	379,027	414,430	491,924	615,432	722,048
13. Netherlands	811,740	413,712	565,672	633,553	642,036
14. Thailand	391,815	399,117	419,728	516,003	636,336
15. Switzerland	426,388	419,261	502,945	642,298	624,599
16. Austria	346,999	350,198	436,850	518,566	560,362
17. Sweden	399,221	385,813	419,704	440,606	509,505
18. Korea, Republic of	277,808	310,218	345,466	416,075	478,849
19. Australia	253,709	292,752	342,989	407,473	437,989
20. Hong Kong a	311,521	337,339	344,166	379,516	416,601
21. Czech Republic	182,442	206,700	282,013	403,762	414,100
22. Poland	167,026	195,036	288,820	346,761	386,204
23. Taiwan, Province of China	248,358	241,814	275,895	352,445	351,130
24. Malaysia	243,181	189,309	168,510	308,912	330,268
25. Denmark	198,972	221,540	239,939	268,244	298,117
26. Russian Federation	149,098	156,429	197,424	243,272	279,905
27. India	91,482	113,992	136,426	204,076	278,554
28. Turkey	82,319	101,035	140,725	202,743	256,202
29. Brazil	231,028	199,830	159,763	199,690	234,080
30. South Africa	133,910	150,725	159,561	239,783	228,911
31. Norway	126,766	144,109	169,139	201,110	219,933
32. Finland	135,168	137,827	163,715	192,332	218,754
33. Hungary	113,476	136,431	166,755	201,307	179,939
34. Portugal	120,144	136,635	153,508	171,459	173,858
35. Romania	42,407	53,143	89,049	105,178	158,174
36. Slovakia	58,054	70,663	88,481	119,942	151,282
37. Ireland	107,164	100,354	115,483	132,139	147,943
38. Argentina	107,828	42,240	56,375	122,100	142,494
39. Saudi Arabia	55,988	65,046	72,523	94,433	140,614
40. United Arab Emirates	136,146				
41. Indonesia	85,946	95,617	98,269	131,473	132,639
42. Iran, Islamic Republic of	69,761	86,674	94,439	135,325	131,876
43. Greece	67,863	87,518	105,720	124,534	124,665
44. Luxembourg	48,550	50,693	79,084	81,457	112,851
45. Israel	79,693	71,670	73,944	86,373	98,320
46. Chile	65,543	64,419	65,169	79,895	96,839
47. New Zealand	57,553	66,664	74,642	90,846	94,259
48. Slovenia	52,934	59,204	75,613	88,017	92,201
49. Algeria	70,088	75,285	73,004	89,015	

Imports 2001-2005						
Product group: 695 - Tools for use in the hand or in machines						
Reporter	Value 2001 US\$ '000	Value 2002 US\$ '000	Value 2003 US\$ '000	Value 2004 US\$ '000	Value 2005 US\$ '000	
50.	Venezuela (Bolivarian Republic of)	86,105	49,879	31,019	53,525	82,811
51.	Ukraine	42,612	39,440	50,005	56,768	75,161
52.	Kazakhstan	33,803		51,076	65,790	
53.	Croatia	27,597	39,059	48,230	54,196	60,129
54.	Peru	38,512	39,301	38,814	47,341	58,820
55.	Colombia	60,340	47,101	48,299	48,207	57,728
56.	Belarus	29,810	31,626	37,387	121,133	40,962
57.	Bulgaria	11,627	14,384	22,678	32,863	40,859
58.	Morocco	25,497	26,368	30,639	34,321	38,139
59.	Tunisia	28,490	26,441	31,061	35,428	38,074
60.	Ecuador	31,051	33,582	32,237	35,501	37,274
61.	Lithuania	14,100	16,787	21,228	29,909	35,013
62.	Guatemala	21,823	23,423	26,135	26,822	32,952
63.	Serbia and Montenegro	10,802	18,037		32,421	
64.	Estonia	16,565	21,482	25,815	33,662	32,066
65.	Pakistan	9,778	15,628	24,589	23,435	31,409
66.	Egypt	31,706	29,652	22,494	29,486	
67.	Latvia	14,912	15,646	19,547	22,442	28,798
68.	Qatar	6,768	9,630	10,004	10,619	28,733
69.	Costa Rica	19,699	26,710	22,596	24,723	28,533
70.	Viet Nam	22,633	24,464	40,744		
71.	Brunei Darussalam	15,726	22,888	39,098		
72.	Bosnia and Herzegovina			11,562	17,349	21,394
73.	Sudan	3,969	5,639	7,936	9,997	19,740
74.	Philippines	26,531	19,937	20,295	26,093	19,543
75.	Iceland	7,066	7,599	11,069	15,181	19,285
76.	Libyan Arab Jamahiriya			18,422	19,234	
77.	Sri Lanka	8,925	9,759	11,246	14,400	17,303
78.	Azerbaijan	7,327	7,625	10,900	14,066	17,053
79.	Botswana	7,497	16,238	15,066		
80.	Lebanon	14,507	12,773	14,390	16,071	
81.	Trinidad and Tobago	13,626	11,727	12,708	151,258	15,678
82.	Cuba	21,593	15,560	15,499		
83.	Ghana	12,068	9,810	11,304	14,781	
84.	United Republic of Tanzania	14,878	10,303	30,007	13,026	14,470
85.	Yemen	7,812	3,016	4,646	8,923	14,211
86.	Honduras	3,001	3,624	11,201	12,220	13,927
87.	Nigeria	10,507	13,898	18,912		
88.	Namibia	11,480	13,477	7,448		
89.	Oman	5,840	6,128	10,461	11,955	13,207
90.	Papua New Guinea	10,606	12,778	9,875		
91.	Cyprus	6,938	8,531	9,603	12,725	12,673
92.	El Salvador	9,184	9,938	11,300	11,454	
93.	Jordan	7,372	6,248	7,660	9,761	10,970
94.	Bolivia	10,831	10,054	10,001	9,581	10,859
95.	Dominican Republic	10,489				
96.	Panama	7,113	7,872	8,241		9,992
97.	Zambia	6,210	5,493	6,854	8,303	9,279
98.	Zimbabwe	6,080	11,433		9,187	
99.	Nicaragua	6,492	6,667	6,207	7,893	9,180
100.	Uruguay	6,515	4,227	4,178	6,835	9,063

Imports 2001-2005					
Product group: 695 - Tools for use in the hand or in machines					
Reporter	Value 2001 US\$ '000	Value 2002 US\$ '000	Value 2003 US\$ '000	Value 2004 US\$ '000	Value 2005 US\$ '000
101. Côte d'Ivoire		9,027	11,764		
102. Kenya	9,859	9,143	8,373	9,019	
103. Syrian Arab Republic	6,221	9,137	12,277	8,884	
104. Paraguay	6,540	4,868	7,432	8,273	
105. Jamaica	7,383	7,324	7,351	8,010	
106. Gabon	10,390	6,957	9,738	7,790	
107. New Caledonia	4,146	5,143	5,542	6,971	7,080
108. Mozambique	2,114	2,182			6,983
109. Mauritius	4,167	6,228	5,227	5,639	6,647
110. Malta	6,721	6,186	5,441	7,421	6,583
111. Ethiopia	6,901	6,519	7,987		
112. Uganda	6,882	4,605	5,496	5,082	6,227
113. Bahamas	6,121				
114. Cameroon	5,883	6,289	6,487	5,424	6,003
115. Kuwait	5,722				
116. Lesotho	6,741	5,689			
117. French Polynesia	3,758	3,819	4,957	4,921	5,409
118. Macedonia, Republic of	3,074	3,398	4,096	5,381	5,067
119. Bahrain	4,494	5,336	5,506	4,884	4,980
120. Aruba		4,390	5,319	4,558	
121. Fiji	2,369	2,383	3,910	4,769	4,524
122. Albania	2,055	4,537	3,519	5,603	4,396
123. Bangladesh	5,422	5,897	6,212	4,384	
124. Barbados	3,891	3,486	3,314	3,628	4,238
125. Andorra	2,191	2,777	3,748	4,118	
126. Kyrgyzstan	228	289	370	935	3,874
127. Guyana	2,660	2,240	2,136	2,897	3,531
128. Senegal	2,864	1,788	2,804	3,967	3,502
129. Georgia	1,349	699	1,644	2,473	3,208
130. Madagascar	2,487	1,111	2,459	3,202	
131. Swaziland	3,201	2,793			
132. Eritrea	2,439	2,779	915		
133. Malawi	1,857	1,506	2,504	2,880	2,728
134. Moldova, Republic of	522	837	1,261	1,946	2,716
135. Mongolia	912		1,918	3,614	2,667
136. Greenland	1,095	2,362			
137. Suriname	1,529	1,748	2,624	2,288	
138. Faeroe Islands		1,959	2,152	2,169	
139. Mali	2,076				
140. Burundi	2,044	2,774	301	1,745	2,012
141. Macao Special Administrative Region of China	388	289	861	1,767	
142. Belize	1,807	1,731	1,663	1,710	1,760
143. Armenia	454	662	1,035	1,539	1,615
144. Sierra Leone		1,571			
145. Guinea	1,326	1,505			
146. Cambodia	2,846	1,454	1,350	1,503	
147. Maldives	662	570	775	1,162	1,483
148. Burkina Faso	1,524	1,472	1,538	1,466	
149. Turks and Caicos Islands	1,021	860	1,163	1,402	
150. Seychelles	135	268	955	1,023	1,377
151. Central African Republic	307	648	519		1,169

Imports 2001-2005

Product group: 695 - Tools for use in the hand or in machines

Reporter	Value 2001 US\$ '000	Value 2002 US\$ '000	Value 2003 US\$ '000	Value 2004 US\$ '000	Value 2005 US\$ '000
152. Rwanda	783	1,138	900		
153. Saint Lucia	812	872	849	1,073	1,116
154. Samoa	395	490	482	1,027	
155. Cape Verde	667	941	890	1,008	
156. Grenada	876	870	1,068	942	
157. Niger	609	915	1,059		
158. Saint Vincent and the Grenadines	597	671	763	972	906
159. Antigua and Barbuda					861
160. Benin	617	801	1,225	806	699
161. Saint Kitts and Nevis	655	1,210	937	681	625
162. Kiribati					603
163. Dominica	577	355	398	580	565
164. Togo	191	310	513	265	352
165. Anguilla	192	328	216	324	
166. Gambia	99	112	84	173	320
167. Cook Islands	195	243	368	240	
168. Wallis and Futuna Islands	212	212	192		
169. Montserrat	74	76	128	91	102
170. Sao Tome and Principe	66	45	139		
171. Nepal			5,431		

Reference: International Trade Center (UNCTAD / WTO)

Profiles of Govt. run & Commercial Tool Rooms

List of units whose profiles are given:

1. Central Institute of Tool Design, Hyderabad
2. Central Tool Room & Training Centre (CTTC), Bhubaneswar
3. Central Tool Room & Training Centre (CTTC), Calcutta
4. Central Tool Room, Ludhiana, Punjab
5. Indo Danish Tool Room (IDTR), Jamshedpur, Jharkhand
6. Indo German Tool Room, Aurangabad, Maharashtra
7. Indo German Tool Room (IGTR), Indore, M. P.
8. Indo German Tool Room (IGTR), Ahmedabad, Gujarat
9. Tool Room & Training Centre (TRTC), Guwahati, Assam
10. Central Institute of Hand Tools, Jalandhar, Punjab
11. Hand Tool Design, Development & Trg. Centre, Nagaur, Raj.
12. Abhijeet Dies & Tools Private Ltd
13. Adept Polymers Private Limited
14. Alpha Industry
15. BPL India Limited
16. Brakes India limited
17. C.K.Moulds & Dies (Pvt) Ltd.
18. Carl Zeiss India Pvt. Ltd
19. Chitram Engineering Pvt. Ltd.
20. Classic Moulds & Dies
21. Conex Avio Auto Pvt. Ltd.
22. Dankel Tech
23. Devu Tools Pvt. Ltd.
24. Dietech India Pvt. Ltd
25. Electro Plasts Private Limited
26. Elemec Industries
27. ELTA Tools & Dies
28. Esteem Industries
29. Filtrum Tools & Components Pvt. Ltd.
30. Fine Components & Tools Private Limited
31. Fine Dies & Moulds (India) Pvt. Ltd.
32. Hasco India Pvt. Ltd.
33. Hindustan Automation
34. Horizon Industrial Products (P) Ltd.
35. Hrithik Tools Pvt. Ltd.
36. Incite Cam Centre
37. Industrial Punches Rabourdin Pvt. Ltd.
38. JAII Maruthi Tools (P) Ltd.
39. JBM Auto Limited
40. Jekuma Tools & Guages Pvt. Ltd.
41. Jyoti Plastics Works Pvt. Ltd.
42. Kalyani Mould Base Pvt. Ltd.
43. Karthigeya Moulds & Dies Pvt. Ltd.
44. Kay Dee Enterprises
45. Kennametal India Limited
46. Ketki Dies & Tools Pvt. Ltd.
47. Kinetic Engineering Limited
48. Kowski Toolings
49. Lakshmi Designers
50. Mahindra & Mahindra Limited
51. Mastercraft Engineers Pvt.

52. Metal Craft Industries
53. Metals India
54. Minda Huf Limited
55. Motor Industries Co. Ltd.
56. M-Tech Industries
57. NTTF Industries Limited
58. Onkar Dies Pvt. Ltd.
59. P.H. Polyplast
60. Precision Punches & Dies
61. Premauni Tools
62. Prince Design-N-Tooling Technology Pvt. Ltd.
63. PROTEKZ
64. Raut Engineering Pvt. Ltd.
65. Renata Precision Components Pvt. Ltd
66. Renuka Auto Crank
67. Sandhar Steady Stream Tooling Pvt. Ltd.
68. Sansha System Ltd.
69. Savitri Automation
70. Sermo Arrk India Limited
71. Servotronics
72. Shri Gajanana Industries (I) Pvt Ltd.
73. Sridevi Tools Engineering Pvt. Ltd.
74. Suhner India Pvt. Ltd.
75. Sunikh Precision Pvt. Ltd.
76. The Supreme Industries Limited
77. Tata Motors Ltd
78. Tool and Instruments Company
79. Toyama Electric Limited
80. Ultra Engineers (unit II)
81. Vanula Tools & Moulds Pvt. Ltd.
82. Vasantha Tool Crafts Pvt. Ltd.
83. Vipul-S Plastocrafts Pvt. Ltd.
84. Vishal Precision Products Pvt. Ltd.
85. Vrindavan Engineering Works
86. Welmech Engineering Company Pvt. Limited
87. Yeshshree Press Comps. Pvt. Ltd.

Profiles of Govt. run Tool Rooms

1. Central Institute of Tool Design, Hyderabad, A.P.

The Central Institute of Tool Design (CITD) was established in 1968 by the Government of India with the assistance of UNDP and ILO. This is pioneering Institute in the field of Tool Engineering in the country. The Institute conducts long term and short term training programmes in Tool design, Tool Manufacture, CAD/CAM and Low Cost Automation techniques besides Manufacture of Tooling and providing consultancy services in these fields.

Location:

Hyderabad, the capital of Andhra Pradesh is the fifth biggest city in India. The city of Hyderabad presents a rich cultural heritage and has many tourist attractions. Hyderabad is well connected by train and Air.

Facilities:

The Tool Room is equipped with sophisticated CNC machines supported by Precision Metrology Laboratory. In addition to the Tool Room, CITD has Design Department, Low Cost Automation Centre (LCA), and CAD/CAM Centre with latest hardware and software, Library and Documentation Centre.

Training Programmes:

The institute conducts long term and short term training programmes for the benefit of the industry. The class room lectures are well supported by modern audio visual equipment. During the programme, factory visits are being arranged for practical exposure.

LONG TERM COURSES:-

- PG Course in Tool, Die & Mould Design (PGTD 1½ years)
- Post Diploma in Tool Design (PDTD) 1 year
- Dip. in Tool & Die Making (DTM) 3yrs. + 1yr. Advanced Trg.

SHORT TERM COURSES:-

The institute conducts several short term training courses in the areas of Tool Design, Tool Manufacturing, Integrated CNC Programming, CAD/CAM and Low Cost Automation, on regular basis as well as for specific requirements of the industry.

International Training Courses:-

- Post Graduate Course in Tool Design (PGTD).
- Post Diploma in Tool Design (PDTD)

Contact Address:

Central Institute of Tool Design A1 to A8, A.P.I.E., Balanager, Hyderabad-500037	Phone Nos: 040-3772747, 3772748, 3772749, 3774536 Fax: 040-3772658 Email: citdhyd@hdl.vsnl.net.in URL: www.citdindia.org
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2. Central Tool Room & Trg. Center(CTTC), Bhubaneswar, Orissa

Central Tool Room & Training Centre (CTTC), Bhubaneswar an ISO 14001:1996 certified Tool Room has been set up by SIDO to meet the growing need of tooling in India and to assist SSI units. This Tool Room has been set up in the year 1991 with the assistance of Government of Denmark and land/building and infrastructure facilities have been provided by the State Government of Orissa. The total investment in the Tool Room is around Rs.52.00 crores.

CTTC bagged a prestigious assignment of designing, manufacturing and exporting 2-cavity lid mould for Box components from Loblite International Ltd, U.K. The mould is very complicated shape with very close tolerance. The material of the component is polycarbonate and the component is used for Electronic Junction box. This was the third tool to the same customer in last 2 years.

Specific capabilities of Tool Room

The Tool Room is equipped with latest state of the art imported and indigenous machinery and equipment and is providing comprehensive and integrated services in the Tool Engineering. It has high-tech capabilities in tool production, tool design and heat treatment besides providing consultancy services in the field of tool engineering and innovation for improved quality and productivity. The CTTC has focused towards the growth of Indian industries and is thus committed to undertaking product design and prototype development. The consistent high quality and precision orientation has been the main strength to the general engineering industry whether it requires quality moulds, dies and tools or precision components.

Some of the high-tech machines installed at the Tool Room are Agiecut CNC wire EDM, CNC Jig Grinder, agietron CNC EDM, Mikron CNC High Speed Milling (for electrode making), Studer Precision Cyl. Grinding Machine, Schaublin High Precision Turning, Mazak CNC Turning Lathe, CNC Docket Machining Centre, Jungner Tool & Cutter Grinder, Jakobsen Grinding Machine, ZEISS CNC 3D Coordinate Measuring Machine, ALD Vacuum Heat Treatment Furnace and Demag injection Moulding Machine (Micro Processor Controlled), CAD/CAM Equipment with Silicon Graphic Work Stations, Hydraulic Press, etc.

Training facilities and services available

CTTC, Bhubaneswar is equipped for comprehensive and integrated service in Tool Engineering, state of the art leading edge technology in CNC, CAD/CAM, Precision Engineering, Robotics and beyond, modern teaching aids, technological support and consultancy where mission is high degree precision and quality and steadily updating design and development which will excel at every level.

Well structured, modular, practically oriented 4-year diploma in Tool and Die making training programmes with intake capacity of 48 is another focus area of CTTC. This course has been approved by AICTE, Govt. of India, recognised by State Technical Board, Orissa as equivalent to Diploma in Mechanical Engineering awarded by State Council of Orissa. This course has also been recognised by Institute of Engineers (India), Calcutta and the passed out candidates are exempted from Studentship Examination. The target group for this training programme is candidates, who have passed HSC/SSC or equivalent examination from a recognised University or Board with Mathematics and Science (Physics or Chemistry or both) with minimum 50% marks (40% in case of candidates belonging to SC/ST in aggregate).

4-Year Diploma in Tool and Die Making Course commences in September/October every year. Details of admission dates are published in newspapers and the selection of candidates is made on the basis of merit through written test. Prospectus can be had from the Tool Room. Course fee for this course is Rs.6000/- per annum. Fee structure is subject to change and terms and conditions apply.

Short Term Training Courses

Having realised the need to update the skills of the technical personnel in the industry, CTTC has launched numerous short-term courses - both regular and tailor made ones - to meet the specific needs of the industry. All these courses are regularly upgraded to keep abreast of the global technological advancements. The equipment installed in the training centre range from conventional to the state of the art. In close consultation with the industry, the CTTC continues to develop specific tailor made courses. Some of the short-term training courses being conducted by the Tool Room are as follows:-

- Industry based short term training courses in tool engineering can be designed as per requirements.
- Courses on Auto Cad, CNC, Wire EDM, Metrology, Machining etc.
- Course fee /duration /intake are subject to change.
- Accommodation

For trainees of long term Diploma courses, hostel facility is provided while as Limited hostel facilities are available for participants of short term training courses.

Contact Details:

<p>General Manager Central Tool Room & Training Centre, B-36, Chandaka Industrial Area, P.O.: Patia, Bhubaneswar Orissa - 751031</p>	<p>Telephone: 0674-2320297, 2320310, 2320447 & 2320349 E-mail: cttc.bbs@cttc.ori.nic.in, cttc@satyam.net.in URL : http://www.cttcbbsr.com/</p>
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3. Central Tool Room & Trg. Centre (CTTC), Calcutta, W.B.

Central Tool Room & Training Centre (CTTC), Calcutta has been set up in the year 1977-78 by SIDO to meet the growing need of tooling in India and to assist SSI units. This Tool Room has been set up with the assistance of Government of Denmark and the land has been provided by the State Government of West Bengal. The total investment in the Tool Room is around Rs.20.00 crores.

Objectives of the Tool Room

- i. To assist SSI units in technological up gradation by providing quality tooling.
- ii. To increase efficiency of SSI units by providing consultancy and common service facilities in the areas of design and production of tools, jigs and fixtures moulds & dies etc.
- iii. To design and manufacture precision tools such as Press Tools, moulds and dies for metal castings, jigs and fixtures and special purpose tools.
- iv. To conduct long term training courses in tool and die making, machining and fitting and short term courses on related subjects to personnel working in the industries.

Specific capabilities

The Tool Room is equipped with latest state of the art imported and indigenous machinery and equipment and is providing comprehensive and integrated services in the Tool Engineering. It has high-tech capabilities in tool production, tool design and heat treatment besides providing consultancy services in the field of tool engineering and innovation for improved quality and productivity. The CTTC has focused towards the growth of Indian industries and is thus committed to undertaking product design and prototype development. The consistent high quality and precision orientation has been the main strength to the general engineering industry whether it requires quality moulds, dies and tools or precision components.

Some of the high-tech machines installed at the Tool Room are CNC 5 axis Machining Centre, Rapid Prototyping Equipment, CNC Lathe, CNC Milling Machines, CNC Jig Boring Machine, CNC EDM Machines, CNC Wire Cut Machine, CNC Coordinate Measuring Machine, Computer Aided Design Section and Vacuum Heat Treatment Furnace etc. Sophisticated Management Information System including Computers, Networking & Peripherals has also been installed in the Centre for its better functioning.

Training facilities and services available:

CTTC, Calcutta is equipped for comprehensive and integrated service in Tool Engineering, state of the art leading edge technology in CNC, CAD/CAM, Precision Engineering, modern teaching aids, technological support & consultancy where

mission is high degree precision & quality and steadily updating design & development which will excel at every level.

Well structured, modular, practically oriented 4 year Diploma training programme in Tool & Die Making with intake capacity of 40 is another focus area of CTTC. This Course in Tool & Die Making is approved by AICTE, Government of India and recognised by State Council for Engineering and Technical Education, West Bengal as equivalent to Diploma in Mechanical Engineering for job purposes. It has also been recognised by Government of Rajasthan, Technical Education Department for employment to the posts under the State Government where Diploma in Mechanical Engineering in the field of Tool & Die Making is the prescribed qualification. Institution of Engineers (India) has recognised this course as exempting from studentship examination. The target group for this training programme is candidates, who have passed Matriculation or equivalent examination from a recognised University or board with Mathematics and Science (Physics or Chemistry or both) with minimum 50% marks (40% in case of candidates belonging to SC/ST in aggregate).

4 Year Diploma in Tool and Die Making Course commences in September/October every year. Details of admission dates are published in newspapers and the selection of candidates is made on the basis of merit through written test. Prospectus can be had from the Tool Room. Course fee for this course is Rs. 500/- p.m. Fee structure is subject to change and terms and conditions apply.

Accommodation:

Hostel facilities are available for 98 participants.

Short Term Training Courses

Having realised the need to update the skills of the technical personnel in the industry. CTTC has launched numerous short-term courses - both regular and tailor made ones - to meet the specific needs of the industry. All these courses are regularly upgraded to keep abreast of the global technological advancements. In close consultation with the industry, CTTC continues to develop specific tailor -made courses.

Some of the short-term training courses being conducted by the Tool Room are: CNC Milling, Auto-CAD, Vacuum Heat Treatment, CNC Turning, CNC Milling, CNC WEDM, CNC Turning etc.

Contact Details:

General Manager Central Tool Room & Training Centre, Bon Hooghly Industrial Area, Calcutta - 700108 (W.B.)	Telephone: 033-25771068, 25771492 & 25770576 Fax No.: 033-25772494 E-mail: cttc@cal.vsnl.net.in Gram: CENTOTRACE
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4. Central Tool Room, Ludhiana, Punjab

Central Tool Room, Ludhiana was established by Government of India in technical collaboration with Government of Federal Republic of Germany and with active support of Government of Punjab for providing the services in the area of tooling (Tool Design and Tool Manufacture), Precision Machining, Heat Treatment, Technical Training and Technical Consultancy to Small Scale Industries so as to improve the quality and productivity of such units.

Activities

Tool Design, Tool Manufacturing and Consultancy Services.

- Design & Development of various types of press tools, plastic moulding tools, die casting dies, jigs, fixture, gauges etc. on the basis of requirement of the industries. The gross turn over per year is of the order of Rs. 2 crores. Services are provided to the industry on 'NO PROFIT basis. Preference is given to Small Scale Industries while providing the services by the tool room. 20% concession is also being provided to the registered small scale industries. More than 300 units are benefited every year.
- Design and Manufacture of dies and moulds, tools, jigs and fixtures, gauges and tool components etc.
- Computer Aided design and computer aided Manufacturing (CAD/CAM).
- Heat Treatment of all types of steels.
- Quality Control and testing.
- Resetting, Resharpening, Maintenance of dies & tools.
- Technical Training

Training Courses:

- Four year Diploma in Tool & Die Technology - The Tool Room conducts four year Diploma course in Tool & Die Making with an intake of 40 trainees per year. The Course is recognised by AICTE and Punjab State Board of Technical Education, which conducts the Joint Entrance Examination for admission to the course. The Diploma course is highly practical oriented and most sought after course. The passed out trainees get immediate absorption in the industry.
- Two Years Certificate course in Heat Treatment
- CTR conducts 2 year certificate training course in Heat Treatment in which 6 trainees are trained every year.
- Advance Tool Room Training Course - About 7 trainees are trained every year in various fields of Machinists, fitter, turner etc. The duration of the course is 1 year.
- Short Term Refresher Courses - The Tool Room is conducting short-term refresher courses on various aspects of Tool Engineering, Tool Designing, Heat Treatment Engineering,

Measurement, Production Planning and Cost Estimation, cutting Speeds and Feeds etc.

- Trade Apprentice Course - Training to I.T.I. passed trainees as required under apprenticeship Act is provided in the Centre.
- R&D Activities - Central Tool Room Ludhiana has developed several Dies and Moulds for small scale industries against import substitution at a much lower cost than what they were paying for importing such tools thereby saving valuable foreign exchange for the country.

Contact Details:

General Manager Central Tool Room, Ludhiana A-5, Focal Point, Ludhiana, Punjab -141010	Telephone: 0161-670057/58/59 Fax No.: 0161-674746 E-mail: centool@jla.vsnl.net.in URL: http://www.ctrludhiana.com/
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5. Indo Danish Tool Room(IDTR), Jamshedpur, Jharkhand

Indo Danish Tool Room, formerly known as Central Tool Room & Training Centre, Jamshedpur, has been set up by SIDO in 1991 with the assistance of Government of Denmark and the State Government of Bihar. The total investment in the Tool Room is around Rs 52.00 crores. An extension centre of IDTR is being set up at Patna with various facilities

Objectives of the Tool Room

- i) To assist SSI units in technological up gradation by providing quality tooling.
- ii) To increase efficiency of SSI units by providing consultancy and common service facilities in the areas of design and production of tools, jigs and fixtures, moulds & dies etc.
- iii) To design and manufacture precision tools such as Press Tools, moulds and dies for metal castings, jigs and fixtures and special purpose tools.
- iv) To conduct long term training courses in tool and die making, machining and fitting and short term courses on related subjects to personnel working in the industries.

Capabilities

- Providing comprehensive and integrated services in Tool Engineering.
- It has high-tech capabilities in tool production, tool design and heat treatment besides providing consultancy services in the field of tool engineering and innovation for improved quality and productivity.
- Undertaking product design and prototype development.

Facilities:

Some of the high-tech machines installed at the Tool Room are Agiecut CNC Wire EDM, CNC Jig Grinder, Agietron CNC EDM, Mikron CNC High Speed Milling (for electrode making), Studer Precision Cyl., Grinding Machine, Schaublin High Precision Turning, Mazak CNC Turning Lathe, CNC Docket Machining Centre, Jungner Tool & Cutter Grinder, Jakobsen Grinding Machine, ZEISS CNC 3D Coordinate Measuring Machine, ALD Vacuum Heat Treatment Furnace and Demang Injection Moulding Machine (Micro Processor Controlled), CAD/CAM Equipment with Silicon Graphic Work Stations, Hydraulic Press, etc.

Training

- IDTR, Jamshedpur is equipped for comprehensive and integrated service in Tool Engineering, state of the art leading edge technology in CNC, CAD/CAM, Precision Engineering, modern teaching aids, technological support & consultancy where mission is high degree precision & quality and steadily updating design & development which will excel at every level.
- Well structured, modular, practically oriented 4 years Diploma in Tool & Die making training programmes with intake capacity of 40 are another focus area of IDTR. This course has been approved by AICTE, Govt. of India, recognised by State Board of Technical Education. This course has also been recognised by Institute of Engineers (India), and the passed out candidates are exempted from Studentship Examination of the institution. The target group for this training programme is candidates who have passed HSC/SSC or equivalent examination from a recognised University or Board with Mathematics and Science (Physics or Chemistry or both) with minimum 50% marks (40% in case of candidate belonging to SC/ST in aggregate).

Short Term Training Courses

CNC Programming & operation, Auto Cad, CNC Turing, CNC Milling, CNC Wire Cut, Precision Machining, Press Tool Design, Design of Die Casting, Design of Plastic Mould, Design of Jigs & Fixtures, I-Deas etc.

Accommodation: Limited hostel facilities are available for participants of short-term training courses.

Contact Details:

General Manager Indo Danish Tool Room M-4 (Part), Phase VI, Tata Kandra Road P.O. Gamaharia Jamshedpur - 832108	Telephone: 0657-2408061/62, 2200507 Fax No.: 0657-2407723 E-mail: jsr_idtr@sancharnet.in URL: http://www.idtrjamshedpur.com/
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6. Indo German Tool Room, Aurangabad, Maharashtra

Indo German Tool Room, Aurangabad an ISO 9001 Tool Room, is a Govt. of India Society formed under bilateral agreement between Govt. of India & Govt. of Federal Republic of Germany. The prime objective of the project is to provide Tool Room Services, Technical know-how and trained manpower to the Industries in the field of Tool & Die technology.

IGTR is managed by a team of highly qualified and motivated professionals, ably supported by German Experts. IGTR is providing various services in Production, Training, and Design & Quality Control. The Tool Room works with Total Quality Management (TQM) concept and has received ISO-9001 Certification.

IGTR Aurangabad bagged an export order worth Euro 26,600 (Approx. Rs. 14.50 lakhs) for supply of Die Casting Dies to M/s Adler S.P.A., Milano, Italy. The order for this high precision tooling has been procured by the tool room against stiff competition, which establishes capabilities of the Tool Room in the international market.

Facilities available in the Tool Room - Production

- Sophisticated CAD/CAM centre using latest manufacturing software's
- State of the art SWISS & GERMAN precision tool room machines
- Manufacturing of sheet metal & plastic components on sophisticated machines
- Latest heat treatment facility for tool steels
- Repairing & maintenance of precision tools
- In house try out facilities

Total Tooling Solutions under Single Roof

Precision Tooling for wide range of Industries such as Automobile, Mechanical Engineering, Aerospace, White Goods, Electrical & Electronics, Bio-Medical, Entertainment Electronics and Consumer Goods.

Range of Tooling

- Press tools for sheet metal
- Plastic moulds
- Die casting dies
- Rubber moulds
- Forging dies
- Jigs & Fixtures for higher productivity
- Gauges for better quality

Training

- 4+1 Year advance diploma in tool & die making
- 2+1 Year certificate course in machinist (Tool Room)
- Post graduate in Tool Design -2-year

- Post Diploma in Tool Design - 1 year
 - 6 Months duration courses in tool room practices
 - Custom designed multi skill development modules
 - Trainers Training for Industries & Institutions
 - CAD/CAM Training
 - CNC programming & machining
 - Standard modules for conventional & CNC machining
 - Special tool design courses for graduates & diploma engineers - Press Tool, Plastic Mould, Jigs & Fixtures
 - Promotion of vocational training for girls
 - Human Resources Development for tool room personnel
 - Machine Tool Operator - To operate conventional Machine Tools to manufacture components. (Ideally suited for small & medium scale industries).
- Duration: 24 weeks (4-modules of 6 weeks each).

Residential facilities for out station candidates.

Other Services

- Design & Development of tooling with latest CAD/CAM technology
- Wide spectrum of hardware & software's for solid modelling surface modelling, product analysis & reverse engineering
- Latest CADD (Computer Aided Design & Drafting) facilities
- Continuous up gradation of tool design technology
- Tool related innovations for improved product design
- Standardization of tooling elements as per latest international standards.

Consultancy Services

- Consultancy services for small scale units
- Project planning & designing
- Selection of Machines, material & processes
- Repairing & maintenance of precision tools, latest manufacturing & production techniques
- Assistance in human resource development
- Efficient after sales service & complete customer care
- Execution of turnkey projects

Quality Control

Stringent Quality control Raw Materials, in Process & finished goods. 3D-CNC CMM with continuous scanning facility.

Contact Details:

The General Manager Indo-German Tool Room, P-31, MIDC Chikalthana Indus. Area, Aurangabad, Maharashtra - 431210	Phone:0240-2486832/ 2486833/ 2480578/ 2482593/2470541 Telefax : 0240-2484028
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7. Indo German Tool Room(IGTR), Indore, M. P.

IGTR Indore an ISO 9001 Tool Room is a Govt. of India society established under SIDO with the technical and financial cooperation of Government of Federal Republic of Germany.

Facilities available in the Tool Room

The Tool Room is equipped with the latest imported equipments like CAD/CAM and specialised CNC machines like CNC Milling, CNC Copy Milling, CNC EDM-Spark erosion, CNC wire cut, profile grinding, jig boring, jig grinding etc. to provide tooling of international standard at competitive rates.

Services provided by the Tool Room

A) Tool Design and Production

- i. Design and Manufacture of dies and tools, moulds, jigs and fixtures, gauges and tool components etc.
- ii. Computer Aided Design and computer aided Manufacturing (CAD / CAM)
- iii. Heat treatment of all types of steels
- iv. Quality Control and testing
- v. Resetting, resharpening and maintenance of dies and tools.

B) Training and Consultancy

Training Courses

- i) Advanced Diploma in Tool & Die Making (4 yrs.+ 1 yr. internship)
- ii) Certificate course in machinist Trade (2 yrs.+1 yr. internship)

Short Term Courses

- Managers and supervisors to upgrade their knowledge and skill.
- Need based technical training for skilled workers/tool makers/machinists etc.
- Training in CNC technology.
- Training for inspection, quality control testing and maintenance etc.

Boarding and Lodging facilities are available in the Tool Room for the participants.

Contact Details:

General Manager Indo German Tool Room, Plot No. 291/B-303/A, Industrial Area, Sector-"E" Sanwer Road, Indore-452 003, MP	Phone Nos: 0731-2721394, 2724156, 2723095, 272146
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8. Indo-German Tool Room(IGTR), Ahmedabad, Gujarat

Indo-German Tool Room, Ahmedabad is a Govt. of India Society established with the technical and financial co-operation from Govt. of Federal Republic of Germany, under SIDO.

Objectives:

- Manpower training in the fields of design and manufacturing of Tools & Moulds, allied trades and CNC technology.
- Design and production of jigs & fixtures, press tools, plastic moulds, die-casting dies, gauges preferably for the small scale industries.
- Providing advisory and consultancy services in the field of Tool Engineering.
- Providing facilities for precision and CNC machining.
- Providing heat-treatment and job facilities for chemical analysis and metallography.

Types of Training:

- Industry based long term training for Tool & Die Makers.
- Short term training for Managers / Supervisors to upgrade their knowledge and skills.
- Need based technical training for skilled workers/tool makers/Machinist etc.
- Training for inspection, quality control, testing and maintenance.
- Training in CNC Technology.
- Training in Heat Treatment, Hydraulics, Pneumatics, EDM
- HRD programmes for Tool-Room personnel

Long Term Courses:

- 4 Year diploma Course in Tool & Die making
- 2 Year Certificate Course in Machinist Tool Room

Short Term Course in Tool Engineering and related fields

- Consultancy in Tool Engineering, Tool Design
- Job work facilities on - Jig boring, Precision Grinding, CNC Spark Erosion & CNC Wire EDM, Profile Grinding
- CNC Machining
- Heat Treatment
- Quality control

Hostel Facility is available.

Contact Details:

General Manager Indo German Tool Room Plot 5003, Phase IV, GIDC Mehmedabad Road, Vatva, Ahmedabad, Gujarat - 382445	Phone Nos: 079-25841960-64 Fax: 079-25841962 Gram : TECHTOLS Email: gtz@adl.vsnl.net.in URL: www.igtrahd.com
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9. Tool Room & Training Centre(TRTC), Guwahati, Assam

Government of India has set up a Tool Room & Training Centre (TRTC) at Guwahati jointly with State Government of Assam to cater to the needs of the North East region. The project is registered under the Societies Registration Act, 1860. The Centre is located in Amingaon Industrial Area, Guwahati.

Objectives of TRTC:

- To design and manufacture tools, dies, jigs and fixtures etc.
- To impart training to young persons in tool and die making.
- To impart training to young persons in use of Computers in Design and Manufacturing.
- To create a base for establishing advanced tool making facilities when needed.

Facilities:

The Centre is equipped with the latest machinery and equipments such as CNC lathe, CNC milling machine, PC's latest version, simulated programming software, and CAD/CAM software.

Training:

- 3 Years Certificate course in Tool & Die Making with intake of 20 per annum.
- Computer Aided Design & Computer Aided Manufacturing, CNC programming and other hi-tech short-term courses for Graduate Engineers and Diploma holders with intake of 70 per annum.
- Refresher courses

Contact details:

T.R.T.C. SISI, Bamuni Maidan, Guwahati-781021	Phone Nos: 0361-2654042, 2655542 Fax: 0361-2654042 Email: citdhyd@hdl.vsnl.net.in URL: www.citdindia.org
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10. Central Institute of Hand Tools, Jalandhar, Punjab

With a view to up-grade the Hand Tool Technology in the country and to provide the necessary technology support services, the Govt. of India has set up the Central Institute of Hand Tools as a national Institute at Jalandhar in the State of Punjab as an autonomous organisation with the assistance of U.N.I.D.O. in the year 1983.

AIMS & OBJECTIVES:

- Technology support services such as improved design of Hand Tools.
- New designs of tools presently not manufactured by the industries.
- Prototype development.
- Appropriate manufacturing processes.
- Common facilities services for manufacture of forging dies, tools, jigs and fixtures.
- Identification of proper materials and standardisation of hand tools.
- Assistance to the small-scale industries for marketing in domestic and overseas market in association with the Central and State Level agencies.
- To train personnel for the industry to adopt improved technology in product design, production techniques, testing & quality control techniques, packing and product development.

A technical Library-cum-Documentation Centre for rendering services to the industry.

Contact Details:

Central Institute of Hand Tools, r G.T. Road, Bye-Pass, Opp. Shaheed Bhagat Singh colony, Jalandhar, Punjab - 144008	Telephone: 0181-2290457, 2290225, 2290226 Fax No.: 0181-290457 Gram: CINTHTOOLS URL: http://www.ciht.com
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11.Hand Tool Design Dev.& Trg.Centre,Nagaur Rajasthan

The Hand Tool Design Development and Training Centre, Nagaur has been set up at Nagaur, Rajasthan in 1988.

Objective of the Project

- To develop hand tool industry in small and tiny sections located in and around Nagaur by providing consultancy and advisory extension services in the areas of tool room, heat treatment, metal finishing, forging and testing, common facility services to these small and tiny industries.
- Assisting small-scale units to adopt modern technology in the field of product design, production process and quality control for cost reduction and improvement in profitability.
- Testing and Training facilities for up gradation of quality of production and trained manpower.

Services:

- Consultancy, advisory, extension services and technical know-how in the field of hand tool manufacturing.
- Common facility services to the small-scale units in the region by providing job work facilities in Tool Room and Metal Finishing.
- Conducting of Seminars, Workshops, Meeting for the overall development and growth of hand tool industry in the region.
- Documentation of information and dissemination to hand tool industry.

Contact details:

HTDDTC Industrial Area, Basni Road, Nagaur, Rajasthan - 341001,	Phone: 01582-240802, 240276, Fax No.: 01582-240802 Gram: HANDTOOLS, Email: htddtcn@sancharnet.in URL: http://www.ciht.com
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12. ABHIJEET DIES & TOOLS PRIVATE LIMITED

Date & Nature of Commercial Production: Date: 1984

COMPANY INFORMATION :

Name of the organization:
M/s Abhijeet Dies & Tools Pvt. Ltd.

Address of the Corporate office / HQ:
83C, Govt. Ind. Est, GaneshNagar, Charkop, Kandivli (W), Mumbai - 400 067
Phone/Fax : 912228682837 / 3482 / 7458

Contact Person's Details:
Mr. Abhijeet N. Raut Director Technical

**Abhijeet Dies & Tools
Private Limited**

Year of establishment
1984

PRODUCTS & SERVICES :

Services;
Manufacturers of Injection & Blow molds.
We even supply injection
blow molded components.

APPLICATION AREAS (with full details of products) :

Plastic Products :
Washing machine parts, Refrigerator parts etc

Electronics :

Automobile : Tools for Interior & Exterior Trims, Dashboards, Grills, AC Ducts, Air ducts, Tanks etc.

Auto Ancillary :

Electrical Instrumentation :

Telecommunication :

Medical Equipment :

White Goods Industry :
Washing machine parts, Refrigerator parts etc.

Intelligent Toys :

Any Others (Pl. give details) :

ACHIEVEMENTS / MAJOR STRENGTHS :

We are ISO BVQI certified organization catering to Automotive, White Goods and Engineering industry in India & abroad. We make Injection molds up to 2500 ton. They have extensive water cooling and designed for ease of manufacturing and easy serviceability.

Blow mold making is our other core skill. We have made Blow molds up to 200 Lit Blow molding machines for various automotive models.

The other strength lies in mold testing area. We have injection molding machines up to 800 tons with in the group and have tie ups with other molders for machines up to 2500 tons.

We have strong team for project management and provide regular updates of the progress of the project to the customer in written and visual form. Our current success rate to achieve First trial on time is 90 %.

INSTALLED CAPACITY

SR NO.	NAME OF MACHINE	QTY	SIZE / CAPACITY (in mm)
01.	CNC MILLING MACHINE COSMOS CBM - 6, MITSUBISHI CONTROL	1	2000 X 900 X 750
02.	VERTICAL MACHINING CENTRE, MITSUBISHI, MODEL M - V5C FANUC CONTROL	1	800 X 510 X 460
03.	VERTICAL MACHINING CENTRE, DECKEL MAHO DMC 103V HEIDENHEIN CONTROL	1	1000 X 600 X 600
04.	CNC MILLING MACHINE HAAS HAAS CONTROL	1	400 X 300 X 300
05.	MAHO UNIVERSAL MILLING MACHINE	1	600 X 300 X 450
06.	MAHO UNIVERSAL MILLING MACHINE	1	600 X 400 X 400
07.	BFW UNIVERSAL MILLING MACHINE	1	1200 X 400 X 500
08.	ELECTRONICA EDM 5535 ZNC	1	550 X 350
09.	ELECTRONICA EDM 6040	2	600 X 400
10.	HMT TOOL & CUTTER GRINDER	1	500 X 130
11.	LATHE MACHINE (TL 01)	1	Bed Size : 3' Centre Height : 12"
	(TL 02)	1	Bed Size : 3' Centre Height : 8"
	(TL 03)	1	Bed Size : 6' Centre Height : 16"
12.	RADIAL DRILLING M / C (RD 01)	1	Max Hole Size (ø) : ø 80mm
13.	PILLER DRILLING M / C (PD 01)	1	Max Hole Size (ø) : ø 32mm
14.	CINCINNATI INJ.MOULDING M/ C	1	SIGMA 400 TON
15.	BLOW MOULDING M / C	1	5 Ltr.
16.	AIR COMPRESSOR (HORIZON)	1	11 KW

MAJOR CUSTOMERS
We have made molds for Ford, General Motors, HONDA, Honda Motorcycles, Scooters India, TATA, Mahindra & Mahindra to name a few.

INFRASTRUCTURE including MAJOR MACHINERIES, LIST OF SOFTWARE PACKAGE & PRINTERS

1.	AUTO CAD	2
2.	PRO ENGINEERING	4
3.	SURFCAM	1
4.	UNIGRAPHICS	1
5.	PLOTTER	HP 450 DESIGN JET

List of Machinery :

S.No	NAME	QTY.	SIZE/CAPACITY
1)	CNC MILLING M / C , FEELAR FV 1000 MITSUBISHI CONTROL	1 NO	1000 x 500 x 505
2)	CNC MILLING M/C DECKEL MAHO DMC 63V SIEMENS 810D CONTROL	1 NO.	630 X 500 X 500
3)	BLOW MOULDING M/C (VICUM)	1 NO.	5 LTRS
4)	BLOW MOULDING M/C (RANA & SONS)	1 NO.	10 LTRS
5)	EDM 5030 ELECTRONICA MAKE	1 NO.	Spec. 500 X 300
6)	MILLING M/C VERTICAL TYPE UNIVERSAL TYPE	2 NO.	1000 x 300 700 x 250
7)	RADIAL DRILLING M/C	1 NO.	ø 50mm
8)	LATHE M / C	2 NO.	Centre Height : 16"/12" Bed Size : 410
9)	PILLAR DRILLING M/C	1 NO.	ø 32 mm
10)	HYDRAULIC SPOTTING PRESS	1 NO.	Bed Size : 550mm X 550mm Torque : 560 Kg./ Cm.Sq. Max. Mould Height : 85mm
11)	MAN - POWER	17 NOS.	Incharge : 01 Operators/Diemakers : 13 Engineers : 03

MANUFACTURING FACILITIES

FINANCIAL

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	8 Crores	0.05 Crores
2004-05	11 Crores	1.25 Crores
2005-06	15 Crores	2.00 Crores

EXPENDITURE & FACILITIES R & D

Year	2003-04	2004-05	2005-06
Expenditure (Rs. Crores)	NIL	NIL	NIL

13. ADEPT POLYMERS PRIVATE LIMITED

RECOGNITION

ADEPT POLYMERS PVT LIMITED
CustomerING FOR TS 16969 BY 2007

Adept Polymers Private Limited

Products and Services

Design and Manufacture of Moulds
Hot Runner Moulds
Hot Spru Moulds
Moulds with Hydraulic Cores
Collapsible Core Moulds

Applications

Automotive
Electrical
Health Care
Others

Major Achievements

Best Supplier Award from Siemens VDO Automotive
Only Green Channel Vendor for Cooper Bussmann IndPvt. Ltd.
Ship to Line agreement with Mico Bosch

Mould Standards

Ø Cavity insert with Stavax hardened to 50-52HRC.
Mould base from DME, HASCO
Ejector pins from DME, Fibro
Fasteners from Unbrako
Hot tips from DME & MASTIP
Mould accessories like nipple, pins, screwing mechanism, Taper lock, Cooling elements, Date Punch etc. from DME

Major Customers Core

Siemens VDO Automotive
ABB
MICO (Bosch)
Tyco HealthCare Precision Interconnect
Cooper Bussmann India Pvt Ltd.

Sales Growth

GROUP BUSINESS

Infrastructure

1 Mould manufacturing unit in Banagalore
Adept Polymers Pvt Limited employ 90 Technical Manpower

DESIGN

Extensive use of 3D for Solid Modeling, Core & Cavity Extraction & Electrode Extraction
Mould Flow Analysis
Use of International Standards
Maximum Use of Sub Inserts for ease of Maintenance / Refurbishment

Manufacturing Facilities

List of Machines in Tool Room

- Spark Erosion Machines
- Milling Machines
- Surface Grinding Machines
- Radial Drilling Machines
- Lathe Machines
- Jig Boring Machines
- Complete range of inspection & testing material

List of Machines in off site

- Cylindrical grinding
- CNC wire cut machine
- CNC EDM
- CNC milling
- Precision surface grinding

Financials

Year	Turnover (USD)	R & D (USD)
2003-2004	880000	
2004-2005	1400000	45000
2005-2006	1520000	

Export Potential

United States of America
Europe

Technology Arrangement

Joint Venture
Manufacturing Licence
Marketing

2 Injection moulding manufacturing units in Banagalore & Pune
Adept Polymers employs 120 Technical Manpower

MANUFACTURING FACILITIES

Spark Erosion Machines	Pad Printing	Automatic Material Loader
Milling Machines	Single Side lapping	Cylindrical grinding machines
Surface Grinding Machines	Single Side Lapping Pneumatic Machines	Wire cutting machines
Radial Drilling Machines	Vibrating Machines	C N C wirecutting
Lathe Machines	Hopper Dryers	C N C EDM machines
Jig Boring Machines	De-humidifying dryer	CNC milling machines
Injection Moulding Machines	Mould Temperature Controller	Precision surface grinding machines
Hot Foil Stamping	Pre Heating Oven	Complete range of inspection & testing equipments

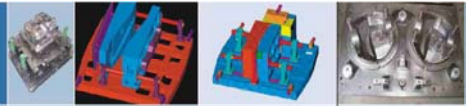
14. ALPHA INDUSTRY

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Pressure Die Casting

Investment Casting



Alpha Industry

PRODUCTS AND SERVICES

- Pressure Die Casting
- Rotational Mould
- Investment Casting
- Foundry Tooling
- Gravity Die Casting
- 3D Modelling and Tool Design
- Prototypes
- Custom Machining

Manufactured Critical Patterns & Dies, such as Cylinder Head, Cylinder Block, Exhaust Manifold, Air Intake Manifold, Impellers, Valve Body, Turbine, Blades, Pump Castings and many more moulds for Rotomoulding parts such as Diesel tanks, Pipes, Doors etc.

Applications

- Automobile
- Electrical
- Engineering Industry
- FMCG

Installed Capacity (Per Annum)

- 12 Large Moulds / Dies and Patterns
- 40 Medium Moulds / Dies and Patterns
- 200 Small Mould / Dies and Patterns

Major Achievements

- Developed exhaust manifold tooling in 12 days for CNG Engine
- Developed various types of turbine housings with Design
- Developed Tank & Pipes dies for Indigo Car in 9 days
- Developed Critical impeller die for Investment Casting in 16 days
- Developed DEUTZ 4 Cylinder block tooling in 35 days for AIW_II with design
- Developed ALCO Cylinder head tooling in 60 days with design for TATA Motors
- Developed WAUKESHA Cylinder head tooling in 45 days with design for AIW_II

Major Customer

- Tata Motors
- India Cummins Ltd.
- Birla Peruchini Ltd.
- Kirloskar Brothers
- Atlas Auto Components Ltd.
- Coyo Turenaiatno
- Atlas Copco
- Wipro Lighting
- Kalyani Thermal Ltd.
- Tata Toyo Ltd.
- Philips India Ltd.
- Hindustan Motors
- TVS Autolec
- Sundaram Clayton Ltd.
- GE
- KSB Pumps
- Eaton India Ltd.

Delcom



INFRASTRUCTURE

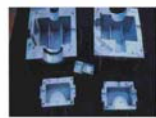
2 manufacturing units located in Pune, Maharashtra.
Alpha Industry employs 92 Technical Manpower

Design Software

- CIMATRON (Solid Surface Modelling)
- I DEAS VERSION 8M1 – 2 Seats
- TEBIS
- Unigraphics
- Pro-E

Manufacturing facilities

- The complete range of inspection & testing facilities
- Radial Grinding Machines
- Granite Surface Plate
- Jig Boring Machines
- Lathe Machines
- Comet Make Horizontals Boring Machines
- Milling Machines
- Surface Grinder
- Spark Erosion Machine
- CPM Machine Accurate Make
- Hartfort make Vertical Machining Centre
- BFW Vertical Machining Centre
- Makino Double Column Vertical Machining Centre
- Takumi Vertical High Speed Machining Centre
- Mazak Vertical High Speed Machining Centre
- Vertical Machining Centers



Technology Arrangements

Financials

Year	Turnover (USD)	R & D (USD)
2003-2004	851065	42553
2004-2005	1117020	53191
2005-2006	1382980	

INNOVATION

CASE STUDIES



Compression Moulds

- Joint Venture
- Manufacturing licence
- Marketing

Export Potential

- United States of America
- United Kingdom
- Asian Countries

15. BPL INDIA LIMITED


COMPANY INFORMATION:


Name of the organization : BPL LIMITED Automation Division

Address of the Corporate office / HQ :
BPL LIMITED (Corporate Office)
 BPL Towers, Kasturba Road, BANGALORE - 56099
 Phone/Fax/E-Mail: 27832328/9, 80-27833375, bplauto@bplauto.com

Address of the Unit :
BPL LIMITED Engineering Plastic & Design Solutions
 No. 238, III phase, Bommasandra Indi Area, B-Block-99
 Phone/Fax/E-Mail: 27832328/9, 80-27833375, bplauto@bplauto.com

Contact Person's Details : **Mr. Manohar**









Year of establishment 1995

PRODUCTS & SERVICES :

- Tools
- Jigs
- Fixtures plastic moulded components

APPLICATION AREAS (with full details of products) :

- Plastic Products : Refrigerator & Television Cabinets automobile plastic parts
- Electronics : TV Cabinets for say BPL
- Automobile :
- Auto Ancillary : Tools, Plastic parts for automobile customers (4 wheelers)
- Electrical Instrumentation :Plastics for electrical spoils
- Telecommunication : Tools & Plastics for mobile sets telephone handsets
- Medical Equipment : Dfliberator Box for hospitals
- White Goods Industry : Tools and plastics for refrigerators
- Intelligent Toys :
- Any Others (Pl. give details): -

ACHIEVEMENTS / MAJOR STRENGTHS

Strengths :

Infrastructure latest technology skilled manpower Huge customer base

ACHIEVEMENTS :

Customers satisfaction

INSTALLED CAPACITY

60 tools per year

MAJOR CUSTOMERS

Toyota group **Honda**

Denso maruthi **BPL Group Sony**

Ts tech telra

INFRASTRUCTURE including MAJOR MACHINERIES

HNC 1210, MCV 2000, 1000, Milling Center, EDM Machines, EDNC (MAKINO MAKE) WIRE EDM, DIE spotting press, Cmm Inspection facility, conventional mach Clathe, milling, surface grinder, tools & cottes T&C grindes, Radical grilling machines.

MANUFACTURING FACILITIES

Same as above

EXPENDITURE & FACILITIES

R & D

Year	2003-04	2004-05	2005-06
Expenditure (Rs. Crores)	-	-	-

TECHNOLOGY ARRANGEMENT / PARTNER (S)

N.A.

EXPORT(S) & FUTURE POTENTIAL

Export : NDX Corporation

- America

FUTURE POTENTIAL :

Scope in Evrgean market and automobile industry

16. BRAKES INDIA LIMITED

COMPANY INFORMATION	Name of the organization: BRAKES INDIA LTD	BRAKES INDIA LIMITED	Year of establishment 1963
	Address of the Corporate office / HQ: PADI PO, CHENNAI - 600050		
	Phone/Fax/E-Mail: 044-26259175 / 26529672/ srinivasanr@brakesindia.co.in	PRODUCTS AND SERVICES	Manufacturing of Automobile brakes
	Contact Person's Details: R. Srinivasan, Vice President, Technology Devt.		
			APPLICATION AREAS (with full details of products): Plastic Products: Electronics: Automobile: Auto Ancillary: Electrical Instrumentation: Telecommunication: Medical Equipment: White Goods Industry: Intelligent Toys: Any Others (Pl. give details):

BRAKES INDIA LIMITED	BRAKES INDIA LIMITED												
ACHIEVEMENTS / MAJOR STRENGTHS	Date & Nature of Commercial Production: Date: 1964 Nature : Captive Tool Room												
In-house R&D approved by D.S.T. Quality Certified ISO-9000, ISO 14000 TPM EXCELLENCEAWARD	MANUFACTURING FACILITIES Machine shops Sand Foundry Rubber Shop Brake Linings etc.												
INSTALLED CAPACITY 12,00,000 BRAKE SETS													
MAJOR CUSTOMERS All automobile companies in India	Financials												
INFRASTRUCTURE	including MAJOR MACHINERIES												
	Large machine shop with CNC & Large Press shop Large Assembly & testing areas												
	<table border="1"> <thead> <tr> <th>Year</th> <th>Turnover (Rs. Crores)</th> <th>Export (Rs. Crores)</th> </tr> </thead> <tbody> <tr> <td>2003-2004</td> <td>600 crores</td> <td></td> </tr> <tr> <td>2004-2005</td> <td>800 crores</td> <td>1.35 crores</td> </tr> <tr> <td>2005-2006</td> <td>1000 crores</td> <td>5.0 crores</td> </tr> </tbody> </table>	Year	Turnover (Rs. Crores)	Export (Rs. Crores)	2003-2004	600 crores		2004-2005	800 crores	1.35 crores	2005-2006	1000 crores	5.0 crores
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2004-2005	17.4 crores												
2005-2006	-												

17. C. K. MOULDS & DIES (PVT) LTD

<p>Date & Nature of Commercial Production : 1999 Commercial Tool Room Captive Tool Room Others (Pl. Specify)</p>	<p style="text-align: right;">ESTD. 1999</p> <h3 style="text-align: center;">C.K.MOULDS & DIES (PVT) LTD</h3>
<h3 style="color: green;">COMPANY INFORMATION :</h3>	
<p>1. Name of the organization: C.K.MOULDS & DIES (PVT) LTD</p> <p>2. Address of the Corporate office / HQ: B-8, ANSA INDUSTRIAL ESTATE SAKIVIHAR ROAD, ANDHERI (E) MUMBAI-72</p> <p>3. Phone/Fax/E-Mail: 0091 22 40053229/0091 22 40059413/ckil@vsnl.net</p> <p>6. Contact Person's Details : Mr.Nischal shetty</p>	<div style="border: 1px solid green; padding: 5px; background-color: #e6f2e6;"> <p style="text-align: center; margin: 0;">PRODUCTS & SERVICES :</p> <p style="margin: 0;">PLASTIC INJECTION MOULDS FOR PACKAGING PRODUCTS,</p> <p style="margin: 0;">LIKE CAPS & CLOUSERS,</p> <p style="margin: 0;">THIN WALL CONTAINERS.</p> <p style="margin: 0;">PAINT BUCKETS.</p> <p style="margin: 0;">INDUSTRIAL PRODUCTS ETC...</p> </div> <p style="color: red; font-weight: bold; margin-top: 10px;">APPLICATION AREAS (with full details of products) :</p> <p>Plastic Products: THIN WALL, CONTAINER, CAPS & CLOUSERS, PAINT BUCKETS.</p> <p>Electronics:</p> <p>Automobile:</p> <p>Auto Ancillary:</p> <p>Electrical Instrumentation:</p> <p>Telecommunication:</p> <p>Medical Equipment:</p> <p>White Goods Industry:</p> <p>Intelligent Toys:</p> <p>Any Others (Pl. give details):</p>

<p style="color: red; font-weight: bold;">ACHIEVEMENTS / MAJOR STRENGTHS :</p> <p>MOULD MAKING TECHNOLOGY UPGRADATION. CAPABILITY TO MANUFACTURE MOULDS AT EUROPIAN STANDARDS</p> <p style="color: red; font-weight: bold;">INSTALLED CAPACITY</p> <p>TOOL ROOM WITH CNC MACHINING CENTRE.</p> <p style="color: red; font-weight: bold;">MAJOR CUSTOMERS</p> <p>INDIA KENYA TANZANIA SAUDI ARABIA YEMEN ETC...</p> <p style="color: red; font-weight: bold;">INFRASTRUCTURE including MAJOR MACHINERIES. LIST OF SOFTWARE PACKAGE & PRINTERS</p> <p>CNC MACHINE: SIZE: 1000X500X500</p>	<p style="color: red; font-weight: bold;">MANUFACTURING FACILITIES</p> <p>1500SQ FT AREA, IN MUMBAI</p> <p style="color: red; font-weight: bold;">FINANCIAL</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Year</th> <th style="text-align: left;">Turnover (Rs. Crores)</th> <th style="text-align: left;">Exports (Rs. Crores)</th> </tr> </thead> <tbody> <tr> <td>2003-04</td> <td>.45 Crores</td> <td>.38 Crores</td> </tr> <tr> <td>2004-05</td> <td>.65 Crores</td> <td>.56 Crores</td> </tr> <tr> <td>2005-06</td> <td>.85 Crores</td> <td>.72 Crores</td> </tr> </tbody> </table> <p style="color: red; font-weight: bold;">EXPENDITURE & FACILITIES R & D</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Year</th> <th style="text-align: left;">2003-0-4</th> <th style="text-align: left;">2004-05</th> <th style="text-align: left;">2005-06</th> </tr> </thead> <tbody> <tr> <td>Expenditure (Rs. Crores)</td> <td>NIL</td> <td>NIL</td> <td>NIL</td> </tr> </tbody> </table> <p style="color: red; font-weight: bold;">EXPORT (S) & FUTURE POTENTIAL</p> <p>FOCUS ON EXPORT MARKET</p>	Year	Turnover (Rs. Crores)	Exports (Rs. Crores)	2003-04	.45 Crores	.38 Crores	2004-05	.65 Crores	.56 Crores	2005-06	.85 Crores	.72 Crores	Year	2003-0-4	2004-05	2005-06	Expenditure (Rs. Crores)	NIL	NIL	NIL
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Year	2003-0-4	2004-05	2005-06																		
Expenditure (Rs. Crores)	NIL	NIL	NIL																		

18. CARL ZEISS INDIA PRIVATE LIMITED



ESTD. 1998

CARL ZEISS INDIA PRIVATE LIMITED

PRODUCTS & SERVICES :

- 3D Coordinate Measuring Machines
- Roughness Testers
- Contour Measuring Machines
- Industrial Metrology Solutions

APPLICATION AREAS (with full details of products) :

Plastic Products:

- Electronics:
- Automobile: Metrology
 - Dimension
 - Form (Contour)
 - Surface finish, Gears
- Auto Ancillary:
- Electrical Instrumentation:
- Telecommunication:

Medical Equipment:

- ENT
- Ophthalmology
- Neuro
- Plastic surgery
- White Goods Industry:
- Intelligent Toys:
- Any Others (Pl. give details):


COMPANY INFORMATION :

Name of the organization: CARL ZEISS INDIA PRIVATE LIMITED

Address of the Corporate office / HQ:
No. 22 KENSINGTON ROAD, ULSOOR, BANGALORE - 560008

Phone/Fax/E-Mail: 080-2556-7104/ imtindia@zeiss.co.in

Contact Person's Details: Mr. Sridhar V. Pissay
Mobile : 9341299988



INSTALLED CAPACITY











- >400 CHM's
- > 400 SFMG (Surface, Form and Geometry)

MAJOR CUSTOMERS

- Tata Motors
- Hyundai Motors
- Ford
- Maruti
- General Motors
- Mahindra and Mahindra
- MICO Bosch
- Bajaj Auto
- Force Motors
- TVS
- Delphi
- Simpson
- Sunbeam
- Hero Honda
- Kinetic
- Subros
- CMTI
- NPL
- DRDL
- HAL
- Sansera Engineering

MANUFACTURING FACILITIES

- Demo Centre
- Measurement Centre
- Training Centre
- Sales Service
- Application.

19. CHITRAM ENGINEERING PVT. LTD.

PROCESS → **OUTPUTS**
 MEN, MACHINE, MATERIAL, METHODS → SEQUENCE OF ACTIVITIES → CUSTOMER SATISFACTION (INTERNAL/EXTERNAL) → PROCESS PERFORMANCE MEASURES (CONTINUAL IMPROVEMENT)

- We have already got allotment of a LAND of 48000 Square feet in SIPCOOT INDUSTRIAL ESTATE (NEXT TO M/S HYUNDAI MANUFACTURING UNIT), SRIPERUMBUDUR, where we have planned to set up a separate unit for COMPONENT MANUFACTURING with an initial INVESTMENT OF TWO CORE INR.
- Planned to procure - ZEISS - Spectrum 776 CMM before Sep- 2006

Contact
K.S. Ramabadrhan, CEO
K.S. Murali, Director
98404 83337 / 98404 83334

A9/16, Industrial Estate, J.J. Nagar East, Mugappair, Chennai - 600 037, INDIA
 PH: 91-44-2656 1297/ 2656 0470 Fax: 91-44-2656 1423
 Email: chitram@airtelbroadband.in
 Web: www.chitramengg.com

Chitram Engineering Pvt. Ltd.,

An ISO 9001:2000

HISTORY

APABILITY

APABILITY

APABILITY

USTOMERS

OMPANY

UTURETIAL

History

Founded in 1982 with a small lathe and specialising in the cycle parts
 With an initial base of Wheels India as customer, slowly grew to be the preferred supplier of many auto and engineering companies majors in India since 1985.
 In the process added technical capability by adding many new machines.
 The System capability has been enhanced by implementing Quality Management Systems, initially ISO 9002:1994 and upgraded to ISO 9001:2000 with M/S BVQI accreditation

Capability

Conventional - Machines		CNC - Machines	
MACHINE	SPECIFICATIONS	MACHINE	SPECIFICATIONS
WWM-Horizontal Boring Machine with DR0-2 Nos	1120x1500mm table Max Dia boring-450mm	MAKINO - High Speed CNC - VMC MAX-655	X-4950 Y-4200 Z-4000mm Rpm-12000
Center Lathe - 3 Nos	Boring Dia 1200mm Between Center - 2000mm	Lead with MCV-1000 CNC - VMC	X-1300 Y-1440 Z-640mm Rpm6000
Surface Grinding Machine	Bed size: 750x1000x530 mm	MAKINO - S56 High Speed CNC - VMC	X-1000 Y-550 Z-400 mm Rpm 12000
Cylindrical Grinding Machine	OD-600mm ID-150mm Length 650mm	FERMCO - HL31 - CNC Turning Center	Max turning-dia-630mm Max turning length-1150mm
MTR Milling Machine	550x40x130 mm	MAKINO - SP43 - CNC Wirecut - High Technology	Axis Travel Size 400x300x220mm
PLANO Milling	1500mmx 2400mm x1500mm		

SOFTWARE

- UNIGRAPHICS - NX 4
- DELCAM - Ver - 6.0
- CIMATRON - Ver - 5.1
- CADEM-effiCNC - Ver - 8.1
- Camtek - Peps - Ver. 5.3
- OMS
- Tally - 7.2

Products

PRODUCT FAMILY	ACCURACY LEVELS
Press Tool Assemblies/components	0.02mm to 0.05mm
Injection moulds	0.010 mm to 0.025mm
Blow moulds	0.025mm to 0.07mm
Pressure casting dies	0.03mm to 0.07mm
Gravity die casting dies	0.05mm to 0.10mm
Dies & Punches	0.005 mm to 0.010mm
Hot & Cold forging dies	0.1mm to 0.2mm
Precision JIGS & FIXTURES	Based on requirement


Wheel Disc

Multi Vent Hole Piercing Tool

CUSTOMERS

- M/S Wheels India Limited
...Best Tools For Wheel Manufacturing
- M/S TIDC INDIA
(Bharatpura Group) ...Fine Working Tool Casting
- M/S Light Alloy Products Ltd
...Precision Die
- M/S Nippo Batteries Co. Limited
(TCS Group of Companies) ...and Dies

20. CLASSIC MOULD & DIES



COMPANY INFORMATION :

Name of the organization: Classic Moulds & Dies


Address of the Corporate office / HQ:
Sudarsan Group
No. 114, Sidco AIEMA Tower, Ambattur Industrial Estate, Chennai 600 058

Phone/Fax : 91-44-26244650/26248222, 26250062

Address of the Unit:
No. K 20, K21, Ambattur Industrial Estate, Chennai - 600058

Phone/Fax : 91-44-26254488/6004/26244083
E-MAIL : info@classic-moulds.com

Contact Person's Details:
D. Ravi Managing Partner



ESTD. 1993 ISO:9001

Classic Moulds & Dies

PRODUCTS & SERVICES :

Manufacturers Of Moulds

Press Tools

Jigs & Fixtures

Machined Components.

APPLICATION AREAS (with full details of products) :

Plastic Products:

Electronics:

- ✓ Automobile:

Auto Ancillary:

- ✓ Electrical Instrumentation:


Telecommunication:

Medical Equipment:

- ✓ White Goods Industry:

Intelligent Toys:

Any Others (Pl. give details):



ACHIEVEMENTS / MAJOR STRENGTHS :

ISO 9001
Export: More than 20% of Business Exports

INSTALLED CAPACITY
10 crores

MAJOR CUSTOMERS
Hyundai Motar India
MATE Motheson
Visteon
Ford
Brakes India Limited
India Piston Limited

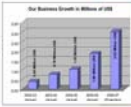
INFRASTRUCTURE including MAJOR MACHINERIES.
LIST OF SOFTWARE PACKAGE & PRINTERS

4 CNC
2 CNC EDM
1 WIRE CUT
1 LATHE
Jig Boring 1
Jig Grinding-1
and all conventional machines

MANUFACTURING FACILITIES
CNC Machine
Conventional Machine
Cmm
Set of Measuring equipments

FINANCIAL


Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	3 Crores	.75 Crores
2004-05	4.7 Crores	8.5 Crores
2005-06	8 Crores	1.5 Crores



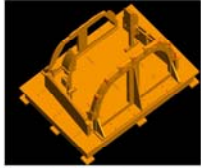
EXPENDITURE & FACILITIES R & D

Year	2003-04	2004-05	2005-06
Expenditure (Rs. Crores)	NIL	NIL	NIL

EXPORT (S) & FUTURE POTENTIAL
Export is very good
We expect to cross the export business more than 30%



21. CONNEX AVIO AUTO PVT. LTD.



COMPANY INFORMATION:

Name of the organization: Conex Avio Auto Pvt. Ltd.

Address of the Corporate office / HQ: "Aradhana", 55, Amchi Colony, Pashan-NDA Road, Bawadhan Khurd, Pune 411 021

Phone/Fax/E-Mail: (020) 22952174 / 5, Fax (020) 22952782 matrix@nexusconex.com

Address of the Unit: Gat No. 267 / B11, Pandit J.N. Industrial Estate, Pirangut, Tal Mulshi, Pune 412 108

Phone/Fax/E-Mail: (020) 22923371/72, Fax (020) 22923606 focus@nexusconex.com

Contact Person's Details: Mr. Abhijit Pathak
Mobile (0091) 9890845550

ESTD. 1999

**Conex Avio
Auto Pvt. Ltd.**


Date & Nature of Commercial Production
1999

PRODUCTS & SERVICES :

- D/s & manufacturing of checking, welding, assly checking fixtures
- D/s & manufacturing of cutting & non cutting dies
- D/s & manufacturing of jigs
- CMM, CNC & CAE services
- Simultaneous Engg

APPLICATION AREAS (with full details of products) :

- Plastic Products:
- Electronics:
- Automobile:
- Auto Ancillary:
- Electrical Instrumentation:
- Telecommunication:
- Medical Equipment:
- White Goods Industry:
- Intelligent Toys:
- Any Others (Pl. give details):
As per pt. No. 2



ACHIEVEMENTS / MAJOR STRENGTHS

Almost every original equipment manufacturer for sheet metal industry is our customer

INSTALLED CAPACITY

- Max Die size : 2700 x 2200 (may extend after new machine installation)
- No. of dies / quarter : 12 nos.
- No. of fixtures welding / quarter : 30 nos.
- Fixture type 1) Panel Checking Fixtures
2) Assembly Checking Fixtures
3) Assembly Welding Fixtures

MAJOR CUSTOMERS

TATA Motors
Bajaj Auto Ltd.
International Tractors Ltd.
Mahindra & Mahindra Ltd.
Ashok Leyland Ltd.
Eicher Motors Ltd.



FINANCIAL

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	6.00	-
2004-05	6.10	1.90
2005-06	10.00	3.00


R & D EXPENDITURE & FACILITIES

Year	2003-04	2004-05	2005-06
Expenditure (Rs. Crores)	0.10	0.15	0.25

EXPORT(S) & FUTURE POTENTIAL

Design & manufacturing of Dies
Design & manufacturing of Fixtures







22. DANKEL TECH



COMPANY INFORMATION :

Name of the organization: **DANKEL TECH**

Address of the Corporate office / HQ:
69/1, Kokate Complex, Sinhagad Road,
Opp Dhayari Telephone Exchange, Pune 411 041

Phone/Fax/E-Mail: **(020) 24391298, dankel@vsnl.com**

Contact Person's Details: **Jitendra Ganesh Kelkar - Partner**



DANKEL TECH

PRODUCTS & SERVICES :

Tool Room Services

The range of services offered by Dankel tech covers entire gamut of applications from product development, tool design, tool manufacture and prove out, to series production.

Continual modernization and usage of latest techniques like CAD, CAE and CAM, and the expertise gathered over the last twelve years of business has led to faster and more accurate solutions. Product development and critical components have always been the special area of interest.

We have designed and fabricated every type of mould ranging from two plate, three plate, unscrewing, with hydraulic two stage side cores etc. The mould size varies from hand moulds to those weighing over one and a half tons.

APPLICATION AREAS (with full details of products) :

- Plastic Products:
- Electronics:
- Automobile:
- Auto Ancillary:
- Electrical Instrumentation:
- Telecommunication:
- Medical Equipment:
- White Goods Industry:
- Intelligent Toys:
- Any Others (Pl. give details):

INFRASTRUCTURE including MAJOR MACHINERIES

Tool Room -

Milling machine Vertical with DRO	- 1 No.
Spark Erosion with three axis DRO	- 1 No.
Hydraulic Surface Grinder	- 1 No.
Lathes	- 2 Nos.
Horizontal Milling Machine	- 1 No.

Molding Shop

Molding Machine Vertical PLC Controlled	- 4 Nos.
Molding Machine Horizontal PLC Controlled 50 Ton	- 1 No.
Molding Machine Horizontal PLC Controlled 22 Ton	- 1 No.

Ovens

Hopper Dryers

Mould Temp. Controllers

Grinding Machines

Cooling Towers




Compressors etc.

FINANCIAL

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	0.7 Crores	
2004-05	1.0 Crores	
2005-06	1.2 Crores	

EXPENDITURE & FACILITIES R & D

Year	2003-04	2004-05	2005-06
Expenditure (Rs. Crores)	0.02	0.03	0.05

23. DEVU TOOLS PVT. LTD.



COMPANY INFORMATION:

Name of the organization: Devu Tools Pvt. Ltd

Address of the Corporate office / HQ:
A/44, Nandjyot Industrial
Premises Co Op Soc Ltd
Kurla Andheri Road, Sakinaka,
Mumbai -400 072

Phone : 022-28512704/2859/0332
Fax No:022-28518690
Email: devutool@bom2.vsnl.net.in

Address of the Unit:
A/3,4,13,14, B15 Nandjyot
Industrial Premises Co Op Soc Ltd
Kurla Andheri Road, Sakinaka,
Mumbai -400 072

Contact Person's Details :
Mr Devaraya M. Sheregar
Managing Director



Estd.:1999

ISO 9001:2000

**Devu Tools
Pvt. Ltd.**

Date of Commercial Production
September 1999

PRODUCTS & SERVICES :

Injection Moulds




**APPLICATION AREAS
(with full details of products) :**

Plastic Products:
Injection Moulds for Commodity Polymers,
Engineering Plastics, PVC, CPVC & PPRC
Electronics : N.A.

Automobile:
Injection Moulds for Automotive Interiors, Exteriors
and Battery Containers.

Auto Ancillary : N.A

Electrical Instrumentation:
Injection Moulds for Electrical Conduits.

Telecommunication:
Injection Moulds for Telephone parts.

Medical Equipment:
Injection Moulds for Medical Equipments

White Goods Industry:
Injection Moulds for Air Conditioners,
Refrigerators

Intelligent Toys : N.A.

Any Others (Pl. give details):
Injection Moulds for Luggage Industry,
Handling Crates, Caps and Closures, Thin Walled
Containers, Paint Pails, Filters & Office utility
Articles.

ACHIEVEMENTS / MAJOR STRENGTHS

Conferred ISO 9001:2000 certification. In the Year 2003
Quality Crown London 2005 award Winner
International Star for Quality-Geneva -2006 award Winner

Major Strength :
Innovative Tool Manufacturing with the good design and
Development Team. Continuous Research and Development
activities.

INSTALLED CAPACITY
Approximately 250 Moulds p.a

MAJOR CUSTOMERS
Tata Automotive Components Ltd.
Godrej and Boyce Mfg. Co. Ltd.
Samsonite Asia Ltd.
Finolux Industries Ltd. Etc.

INFRASTRUCTURE including MAJOR MACHINERIES

Software
Unigraphics NX -3
Pro F Wildfire
Master Cam

CNC Machines:
VMC -7
EDNC -1
CNC Lathes 2

Conventional Machines:
EDM -4
Plano Miller -1
Milling 16
Lathes 20
Surface Grinding -4
Cylindrical Grinding -3
Radial Drilling -5
Shaping Machine 1
Bandsaw -3
Power Bandsaw -1

Testing and Inspection Facility

Inspection Probe
Tool presetter and other conventional measuring
Instruments.
Polo -180 & SPM -450 Tones Injection Molding Machine
with Micro processor

MANUFACTURING FACILITIES
Manufacturing Plant size 28000 Sq. Ft. in 8 separate
premises Warehouse 6000 Square feet with minimum stock
of 130 Mt. Moulds up to 08 Tones suitable for 850 Tones
Machine

FINANCIAL


Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	6.31 Crores	6.31 Crores
2004-05	6.50 Crores	6.50 Crores
2005-06	4.45 Crores	4.45 Crores

EXPENDITURE & FACILITIES R & D

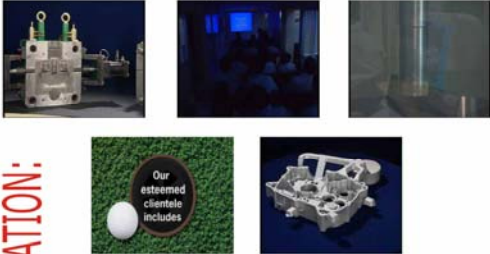
Year	2003-04	2004-05	2005-06
Expenditure (Rs. Crores)	0.13	0.14	0.15

TECHNOLOGY ARRANGEMENT / PARTNER (S)
No Technology arrangement

EXPORT(S) & FUTURE POTENTIAL
With the in house R & D facilities and Manufacturing Facilities
the Export Potential is good with the growing outsourcing
activities from our country. We have proved our abilities in
providing the Tooling solutions to our customers



24. DIETECH INDIA PVT. LTD.




COMPANY INFORMATION:

Name of the organization: DIETECH INDIA (P) LTD

Address of the Corporate office / HQ:
348/122, PILLAIYAR KOIL STREET, MANAPAKKAT, CHENNAI - 600116

Phone/Fax/E-Mail: 044-22521253, 044-22522254@
E-mail : diotech@diotechindia.com

Contact Person's Details: N. Prabakaran Managing Director,
K. Kamalesh executive Marketing



DIETECH INDIA Pvt. Ltd.

Date of Commercial Production 1995

PRODUCTS & SERVICES :

Designing Manufacturing and supplying of Die casting Dies (for High Pressure, Low Pressure and Gravity Die castings)

APPLICATION AREAS (with full details of products) :

Plastic Products:

Electronics:-

Automobile:- Dies to pressure Die casting, Low pressure die casting and Gravity Die casting

Auto Ancillary: - do -

Electrical Instrumentation: - do -

Telecommunication:-

Medical Equipment:-

White Goods Industry:-

Intelligent Toys:-

Any Others (Pl. give details):-

INFRASTRUCTURE including MAJOR MACHINERIES

Software : ProE, UNIGRAPHICS PLOW3D, DIE EDIFICE, TEBIS CAD & SOLID WORKS

Major Machineries:

1. Dekel Mano CNG - DMU 607
2. - do - DMU 64V
3. - do - DMU-635V
4. - do - DMU-104V
5. Haaz Supe Mini - 10000 1pm 5nos
6. Lawer Scanning and (7) Milutoya CMM

ACHIEVEMENTS / MAJOR STRENGTHS

1. Achieved turn over of Rs. 16 Crores in the current F. year, from 7.84 crores 80, K F. year 2004-05
2. Updated technology in manufacturing of Die casting dies (Loss scanning , MFA, MFA, CAD/CAM)
3. Got ISO 9001-2000 QUALIFICATION & Re- certified in June-2006.

INSTALLED CAPACITY

To meet 12 to 15 dies per month to the value of 150 lacs (250 T m/c/ to 1350T m/c)

MAJOR CUSTOMERS

- a) Sundram Dayton Ltd Chennai/Hosur
- b) TVS Motors Company Ltd Hosur
- c) Ucal Fuel Systems Ltd. Chennai
- d) Sundaram Faileners Ltd. Chennai
- e) Motors Industries Company Ltd. Bangalore
- f) Honda Motors V Scooters India Ltd Gourgoan
- g) Lucas (TVs Ltd - Chennai

MANUFACTURING FACILITIES

- Vertical Milliony Centre (DMC Machine)
- Vire Cut Machine
- EDM Machines
- Quick
- Disls

A facilities : CMM (Milutoyo), HAWK LASER 3D SCANNER IMAGE VISUALISER, OPTIMA HEIGHT MASTER

FINANCIAL

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	6.00 Crores	-
2004-05	7.84 Crores	0.01 Crores
2005-06	12.62 Crores	1.2 Crores

EXPENDITURE & FACILITIES R & D

Year	2003-04	2004-05	2005-06
Expenditure (Rs. Crores)	-	-	-

Started Design R&D from January 2007

TECHNOLOGY ARRANGEMENT / PARTNER (S)


Going for joint Venture with TVS SUNDA4RAM CLATTON CHENNAI During the financial year 2007-08.



EXPORT(S) & FUTURE POTENTIAL

Executed - Indonesia TVSM-PTE 1.20Cr March 07
MONIVA GERMAN 0.20Cr - March 07

Planned - 3 Crores export dies during 2007-08


25. ELECTRO PLASTS PRIVATE LIMITED




ESTD. 1992

ISO 9001-2000



ELECTRO PLASTS PRIVATE LIMITED

Date of Commercial Production 1992



COMPANY INFORMATION:

Name of the organization: ELECTRO PLASTS PRIVATE LIMITED

Address of the corporate office / HQ:
NO.16/B, KIADB INDL.AREA, II PHASE, KUMBALGODU,
BIG BANIYAN TREE ROAD, OFF.MYSORE ROAD,
BANGALOE-560074, INDIA.

Phone/Fax : 91-080-28437010-13 / 65986761
E-Mail: electroplasts@vsbbs@electroplasts.com



Contact Person's Details:
B.R.MAHA BAHNU MANAGING DIRECTOR
B.S.SHUBHA EXE-CUSTOMER & MARKETING SUPPORT

PRODUCTS & SERVICES :

1. Manufacturers of high precision plastic Injection Moulds.
2. Production of Plastic components.
3. Product Design & development.
4. Mould design.
5. CNC m/c centre & wire cut job works.

APPLICATION AREAS (with full details of products) :

Plastic Products: YES
Electronics: YES
Automobile: YES
Auto Ancillary: YES
Electrical Instrumentation: YES
Telecommunication: YES
Medical Equipment: YES
White Goods Industry: ----


ACHIEVEMENTS / MAJOR STRENGTHS

We are one of the leading manufacturers of PLASTICS INJECTION MOULDS & provides **One Stop Solution for all plastic products from your concept to component** in Plastic industry like automobile, electrical, electronics, water treatment & telecom segments etc..

Conversion of metal parts into plastic parts.
Reverse Engineering.

Press parts & die cast parts that are part of a total project are also handled.
Installed Capacity of major Product - 48 Nos. / year

To be expandable to 96 / year.







FINANCE

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	Rs.1.95 crores.	Rs.07.05 lakhs.
2004-05	Rs.2.94 crores.	Rs.13.90 lakhs.
2005-06	Rs.2.76 crores	Rs.31.30 lakhs. (Form H sales)

6% of our Turn over is spent on design & development.

TECHNOLOGY ARRANGEMENT / PARTNER (S)

International standards as required by the customers.

We are an ISO 9001-2000 CERTIFIED COMPANY BY TUV GERMANY.


EXPORT(S) & FUTURE POTENTIAL

Working on enquiries to get major business from USA, CANADA, SOUTH AFRICA AUSTRALIA & EUROPEAN COUNTRIES.




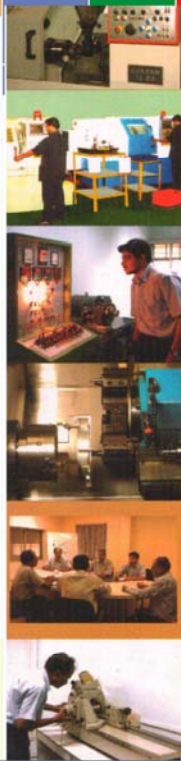
26. ELEMEC INDUSTRIES


Services For	End Use
Automobile Sector	
Bajaj Interior and External pick up	
Magneto Assembly	Scooter
Bajaj FE C.B. Ignition Magneto and Crankcase Assembly	3-Wheeler
Bajaj Electronics Ignition	
Magneto Assembly	Scooter
Bajaj Rotor Assembly	Motorcycle
Rapwood Rotor Assembly	Motorcycle
Hero Honda Magneto Assembly	Motorcycle
TVS Magneto Assembly	Moped
Hero Puchi Rotor Assembly	Moped
Jawa 250CC Dynamo Assembly	Motorcycle
Royal Enfield Alternators	Motorcycle
Suzuki Rotor Assembly	Motorcycle
Lambretta Magneto Assembly	3-Wheeler
Lombardini Flywheel Mounted Alternator	3-Wheeler
LML Magneto Assembly	Scooter
Ducati Electronic Ignition	
Magneto Assembly	2-Wheeler
Agricultural Sector	
Greaves 550C Magneto Assembly	Sprayer
Greaves Flywheel Mounted Alternator	Pump set / Genset
Greaves Flywheel Rotor Assembly	Pump set / Genset
Tecomec Rotor Assembly	Chain Saw
H.P.35 CC TI Ignition Magneto Assembly	Sprayer
VST Tillers Tractors Fan Duct & Dynamis Assembly	Tractor






ELEMEC INDUSTRIES
(An ISO Certified Company)

REGD. OFFICE & WORKS
Plot No. A-119/122, H Block, M.I.D.C.
Pimpri, Pune - 411 018, Maharashtra (INDIA)
Phone : +91-20-96319206, 27473613, 27472801, 27475072
Telex: +91-20-27473242
E-mail : b_royy@vsnl.com



ELEMEC INDUSTRIES

Manufacturer of Magneto Assemblies & Diesel Engine Alternators for 2/3 Wheelers

About us

Company Profile

- Reputed manufacturer of Magneto Assembly and Diesel Engine Alternator for last 30 years.
- Comprehensive range of Magneto Assemblies & Diesel Engine Alternators for Automobile (2 Wheeler & 3 Wheeler), Agricultural applications, Tractors, Gensets, Sprayers, Chain Saw etc.
- Products are being exported to countries like Bangladesh, Indonesia, Sudan, Malaysia, Singapore, Africa, Italy & other European countries.
- Growing list of satisfied customers are multiplying everyday all over the world.

Quality System

- ISO 9001:2000 certified
- Extensive use of SPC techniques in manufacturing
- Implementation of TS 16949:2002 is in progress.

Product Range

- Magneto Assembly
- Rotor Assembly
- Stator Assembly
- Diesel Engine Alternator
- Fan Dynamo & Duct Assembly
- Crankcase Assembly



Facilities

- Well equipped CNC and Conventional machine shop
- Excellent in-house tool room center
- State of the art CAD/CAM facility
- Standard room equipped with modern testing equipment viz. optical dividing head, perthometer, surface tester etc.
- Integrated ERP system implemented.
- Capability to design & develop new products as per customers specific requirement for various applications.





Our Customers

- Greaves Cotton Ltd.
- Royal Enfield Motors
- TVS Motor Company Limited
- V.S.T. Tillers Tractors Ltd.
- Kerala Agro Machinery Corpn. Ltd.
- Rabi Engine Ltd.
- Tecomec S.p.A. Italy

27. ELTA TOOLS & DIES



ISO 9001-2000

ELTA TOOLS & DIES

Date of Commercial Production 1997

COMPANY INFORMATION:

Name of the organization:
ELTA TOOLS & DIES

Address : K,15-Ambattur Industrial Estate,
Chennai- 600 058

Contact Person :
Mr. G.S.BALATHOMAS, CHIEF EXECUTIVE

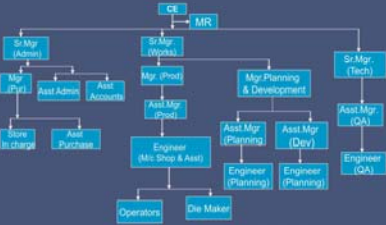
He has more than two decades of experience in this field. Helped this company to establish itself as one of the most reliable Tool & Die manufacturers for various Automotive industries in Chennai. Takes care of design & Manufacture

COMPANY PROFILE

Established Year	:	1994
Investments	:	3Crores
Land	:	8000 Sq.Ft.
Building	:	7200 Sq.Ft.
No. of Employees	:	Total - 70
		Managers - 4
		Staff -- 5
		Tech. Staff -- 10
		Machine Operators - 25
		Tool Makers - 10
		Fitters - 10
		Helpers 6



Organisation Chart – PRECISION PRESSINGS



Mile Stones

1994 Started modestly with lathe, milling and shaping machines by Mrs. Mary Josephine women entrepreneur.

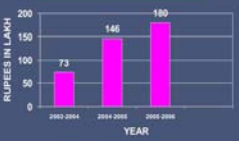
1997 Moved to a bigger unit adding machines like cylindrical grinding, surface grinding & jig boring.

1999 Moved to ambattur industrial estate integrating design and production with state of the art technology.

2000 The company added machinery like CNC vertical milling machines, design team was setup with 3 systems.


2002 Started a new unit m/s precision pressing with presses and shearing m/c. we carry out the trial of press tools in this company. The unit is professionally managed by qualified employees with relevant work experience

YEARLY TURN OVER IN LAKHS




YEAR	TURN OVER (LAKHS)
2002-2004	73
2004-2005	146
2005-2006	190


SHARE OF BUSINESS



Company	Share (%)
ELTA	40%
TE METAL	15%
SHARDA METAL	15%
ARUN EXHAUST	10%
P.M.	10%
Other	10%



2006 we have doubled our Capacity to meet our Customers requirement by adding CNC Vertical Milling, CNC Wire cut, CNC EDM, Surface Grinding and other Milling Machines.



28. ESTEEM INDUSTRIES




Company Profile

Esteem Industries
 Survey No.780/1B2B1, Chennai Bangalore Highway,
 Kuthambakkam
 Thiruvallur District,
 Pin Code: 602 103. INDIA

Phone:91 44 26811992 - 3 Fax: 91 44 26811991
 E mail: ei@esteemindustries.com
 Web Site: www.esteemindustries.com

ISO 9001:2000 Certified Company



ESTD. 1993



ESTEEM INDUSTRIES
 The art of precision plastic moulds and components


An ISO 9001 : 2000 Certified Company



Total Solution For Plastic Injection Moulding

List of Machinery:

- CNC Milling Machine
- CNC – EDM Machine
- Hydraulic Surface Grinding Machine
- EDM Machine
- Vertical Milling Machine
- Surface Grinding Machine, Lathe Drilling Machine etc.,



Industrial Polymers used in the production

- Grilamid TR55LX – EMS
- Zytel 74G33 EHSL – Dupont
- Zytel 70G30 HSLR – Dupont
- Crastin n600 – Dupont
- Stanyl TW241F9/TW341 – DSM Engineers
- Valox 420 –1001 – GE Plastics
- Loran 143R/111 – GE Plastics
- Noryl SE1-960 – GE Plastics
- PPS - 230 BL - Ryton
- Master Batches: Color Services – Germany



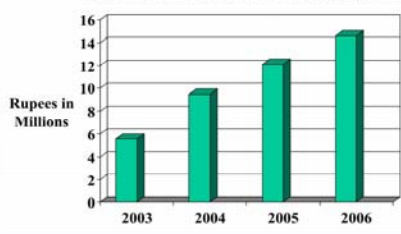
Some of our valued customers:

- ❖ Measurement Technology Ltd., U.K.,
- ❖ Watson Smith U.K.,
- ❖ Compact Systems, Australia,
- ❖ MTL Instruments Pvt. Ltd.,
- ❖ HCL Infosystems Ltd., (Mfrs. of Computer Systems)
- ❖ Schefenacker Motherson Ltd., (Automobile Products)
- ❖ PHC Manufacturing Pvt. Ltd., (Auto Ancillary)
- ❖ Daejung Moparts P. Ltd., (Auto Ancillary)
- ❖ A.W.Fabercastell – India, (Utility Stationery)
- ❖ Areva T & D India Ltd., (Energy Automation)
- ❖ Easun – MR Tap Changers (P) Ltd., (Electrical Engg.)
- ❖ Southern Electronic Components P. Ltd., (Electrical Engg)
- ❖ Panasonic Home Appliances India Co. Ltd., (Home Appliances)

Milestones of Esteem Industries

- 1997: Esteem Industries was set up in the year of 1997 as a Tool Room, focusing Manufacturing Plastic Injection Moulds as a thrust area.
- 1999: Added Moulding Facility with Basic Machinery.
- 2001: Upgraded with “L & T Demag” Micro Processor Based Injection Moulding Machines
- 1997: Esteem Industries was set up in the year of 1997 as a Tool Room, focusing Manufacturing Plastic Injection Moulds as a thrust area.
- 1999: Added Moulding Facility with Basic Machinery.
- 2001: Upgraded with “L & T Demag” Micro Processor Based Injection Moulding Machines

Sales Turnover for the last three years:



Year	Sales Turnover (Millions)
2003	6.0
2004	10.0
2005	12.5
2006	15.0

29. FILTRUM TOOLS & COMPONENTS PVT. LTD.



COMPANY INFORMATION:

Name of the organization: FILTRUM TOOLS & COMPONENTS PVT. LTD.

Address of the Corporate office / HQ: Survey No. 255 / 1, Tirumala Industrial Estate, Village Hinjawadi, Pune 411 044

Phone/Fax/E-Mail: (020) 22933110 / 32064

Contact Person's Details: Mr. K. A. Kabur VP Business Development

FILTRUM TOOLS & COMPONENTS PVT. LTD.

APPLICATION AREAS (with full details of products) :

- Plastic Products:
- Electronics:
- Automobile:
- Auto Ancillary:
- Electrical Instrumentation:
- Telecommunication:
- Medical Equipment:
- White Goods Industry:
- Intelligent Toys:
- Any Others (Pl. give details):











30. FINE COMPONENTS & TOOLS PRIVATE LIMITED

COMPANY INFORMATION:

Name of the organization :
Fine Components & Tools Pvt Ltd.


Address of the Corporate office / HQ:
110-H,Bommasandra Indl Area
Bangalore 560 099

Phone/Fax : 080 27834666, 27834266
E-Mail : fctpl@dataone.in

Address of the Unit :
110-H,Bommasandra Indl Area,
Bangalore 560 099

Phone/Fax : 080 27834666, 27834266
E-Mail : fctpl@dataone.in

Contact Person's Details : **Mr.K.Gopinath**



Fine Components & Tools Private Limited

Date & Nature of
Commercial Production
Date: 1997


PRODUCTS & SERVICES :

SHEET METAL PRESSED COMPONENTS
FOR AUTO MOBILES

APPLICATION AREAS (with full details of products) :

Automobile : Sliding parts, Window regulator and recliner assembly for four wheelers.

Auto Ancillary : Sliding parts, Window regulator and recliner assembly for four wheelers.





ACHIEVEMENTS / MAJOR STRENGTHS
Strengths :

- ISO/TS 16949 : 2000
- ISO 14001

ACHIEVEMENTS / MAJOR STRENGTHS
Customers satisfaction

INSTALLED CAPACITY
Approx. 650-700 tools per year (depends on orders received).

MAJOR CUSTOMERS

1. TOYOTA BOSHOKU AUTOMOTIVE INDIA PVT LTD.
2. IFB AUTOMOTIVE PVT LTD.
3. AUTOLIF IFB INDIA PVT LTD.
4. DENSO KIRLOSOKAR INDUSTRIES PVT LTD.
5. TOYOTA KIRLOSOKAR AUTO PARTS PVT LTD.

INFRASTRUCTURE including MAJOR MACHINERIES MACHINE LIST ATTACHED

1. HY-SURFACE GRINDING (BLOHM-HFS 510)
2. HYDRAULIC CUTTING MACHINE (EIFCO)
3. RADIAL DRILLING (HMT INDUSTAN)
4. DRILLING (EIFCO) RDH/325
5. DRILLING (EIFCO) PE/38
6. DRILLING (EIFCO) P2/25/GTA
7. DRILLING (EIFCO) POM/GT
8. DRILLING (EIFCO) BOM/MD
9. BENCH GRINDING MACHINE (RAMCO)
10. BENCH GRINDING MACHINE (AMCO)
11. LATHE (GETCOS HMT-1TM-20)
12. HY-SURFACE GRINDING (SEEDTEC-1224)
13. MILLING MACHINE (BFW-HF-2)
14. WIRE CUTTING (ELECTRA SUPERCUT-734)

MANUFACTURING FACILITIES
Machine List Attached

FINE COMPONENTS & TOOLS PVT LTD
LIST OF MACHINES

IN PRESS SHOP

CROSS SHAFT 1" FRAME-10TON KAUSHICO
CROSS SHAFT 1" FRAME-10TON IMPACT
CROSS SHAFT 1" FRAME-110TON SEIY
CROSS SHAFT 1" FRAME-110TON SEIY
CROSS SHAFT 1" FRAME-10TON AMETEEP
CROSS SHAFT 1" FRAME-10TON AMETEEP
CROSS SHAFT 1" FRAME-110TON GERMAN
CROSS SHAFT 1" FRAME-40TON SEW
CROSS SHAFT 1" FRAME-110TON SEIY
CROSS SHAFT 1" FRAME-10TON AMETEEP
CROSS SHAFT 1" FRAME-200TON SEIY
CROSS SHAFT 1" FRAME-180TON SEIY
CROSS SHAFT 1" FRAME-180TON SEIY
CROSS SHAFT 1" FRAME-180TON SEIY
CROSS SHAFT 1" FRAME-110TON SEIY
CROSS SHAFT 1" FRAME-180TON SEIY
CROSS SHAFT 1" FRAME-63TON SEW
1" FRAME-10N HYDRO PNEUMATIC PRESS
CROSS SHAFT 1" FRAME-3TON SEW
CROSS SHAFT 1" FRAME-43TON NERENDRA
CROSS SHAFT 1" FRAME-43TON AMETEEP
CROSS SHAFT 1" FRAME-5TON NERENDRA
CROSS SHAFT 1" FRAME-18TON NERENDRA
CROSS SHAFT 1" FRAME-10TON NERENDRA
CROSS SHAFT 1" FRAME-10TON NERENDRA
CROSS SHAFT 1" FRAME-10TON NERENDRA
CROSS SHAFT 1" FRAME-300TON SEW
HORIZONTAL HYDRAULIC PRESS-3TON
1" FRAME-ANUNSTAN HYDRAULIC PRESS 150TON
CROSS SHAFT 1" FRAME-110TON SEIY
CROSS SHAFT 1" FRAME-110TON SEIY
CROSS SHAFT 1" FRAME-300TON SEIY
CROSS SHAFT 1" FRAME-110TON SEIY
CROSS SHAFT 1" FRAME-110TON SEIY

PREPARED BY
DESCRIPTION OF MACHINE IN SECONDARY

MG WELDING (CO2)-MILLER
MIG WELDING (CO2)-KORC
ARC WELDING (MODEL-WR400)
ENERGY STORED WELDING(ARTECH-100VA)
SPOT WELDING (MECH.ONC-250VA)
SPOT WELDING (MECH.ONC-250VA)
SPOT WELDING (MECH.ONC-250VA)
AIR PRESS - 1TON (MARUN)
(T) TAPPING MACHINE
BEMCO HYDRAULIC PRESS 3TON
DRILLING MACHINE (SEW)
MECHANICAL PRESS - 15TON
TAPPING MACHINE (BHARTI) CONE TYPE
TAPPING MACHINE (SHAYANI) CONE TYPE
BENCH GRINDING (AMCO)
BELL LAPPING MACHINE (ACCURATE)
DRILLING MACHINE (VOLTEX)
FLY PRESS
VIBRO BARRELLING (CFRAMEZ)
LAPPING MACHINE (GRIND MASTER)
AIR COMPRESSOR (ELGI)-10HP

TOGGLE PRESS
TOGGLE PRESS
DESCRIPTION OF MACHINE

IN GENERAL SERVICES

GENERATOR (250KVA) CATERPILLER
GENERATOR (125KVA) ASHOCK LEVLAND
AIR COMPRESSOR (RECIPROCATING-25HP)
AIR COMPRESSOR (300HP-40HP)
AIR DRIER (GEM)
AIR RECOVER TANK (25M)
DECOLER WITH FEEDER(200KG)
DECOLER WITH FEEDER(200KG)
DECOLER WITH FEEDER(200KG)
SHEARING MACHINE
ELECTRIC ELECTRONIC WEIGHING MC
EOT CRANE 3TON-TOTAL ROOM
SCORER STACKER- 3TON (FORK LIFT)
MAIN STACKER- 3TON (FORK LIFT)
TOOL LOADING TROLLEY 1TON(PUMA)
TOOL LOADING TROLLEY 500KG(MAN)
PLAT FORM LIFT TROLLEY 500KG(PUMA)
PLAT FORM LIFT TROLLEY 600KG(BAKA)
PALLET TRUCK(3TON) MANI
PALLET TRUCK(3TON) PUMA
PALLET TRUCK(3TON)
PUMA
PALLET TRUCK(3TON) PUMA
PALLET TRUCK(3TON) PUMA
APPROVED BY
DESCRIPTION OF MACHINE
IN TOOL ROOM
HY-SURFACE GRINDING(BLOHM-HFS 510)
RADIAL DRILLING(HMT INDUSTAN)
HYDRAULIC CUTTING MACHINE(EIFCO)
DRILLING(EIFCO) RDH/325
DRILLING(EIFCO) PE/28
DRILLING(EIFCO) P2/25/GTA
DRILLING(EIFCO) POM/GT
DRILLING(EIFCO) BOM/MD
BENCH GRINDING MACHINE(RAMCO)
BENCH GRINDING MACHINE(AMCO)
BENCH GRINDING MACHINE(AMCO)
LATHE (JANI)
LATHE (GETCOS HMT-1TM-20)
MILLING MACHINE(ITAL-UNIVERSAL)
HY-SURFACE GRINDING(SEEDTEC-1224)
HY-SURFACE GRINDING(AIRO-TP-7)
HY SURFACE GRINDING(AIR VIEW)
HY-SURFACE GRINDING(PRAGA)
HY-SURFACE GRINDING(PRAGA) JAMES
MILLING MACHINE(SPH-HF-2)
WIRE CUTTING (CONCORD CNC-E)
WIRE CUTTING (ELECTRA SUPERCUT-734)
MILLING MACHINE(MANINDO CNC 74.450)
SPARKING MACHINE(ELECTRA PULS P55)
AIR COMPRESSOR(ELGI) 220W5HP





31. FINE DIES & MOULD (INDIA) PVT. LTD.

Legal form of the Unit: **Corporate**

Scale of operation: **SSI**

Total No. of employees:
Executives: 10
Non-executives: 40
Contract: 5

Do you export tools and related items: **YES**

ESTD. 1994

ISO 16949-2000

Date of Commercial Production

FINE DIES & MOULDS (INDIA) Pvt. Ltd.

COMPANY INFORMATION:

Name of the organization: FINE DIES & MOULDS (INDIA) Pvt. Ltd.

Address of the Corporate office / HQ:
B-41-FF, Pavana Industrial Estate, Plot No. T-204, MIDC Bhosari, Pune 411 026.

Phone/Fax/E-Mail: (020) 27128107 / 27110797,
vishfine@vsnl.com, vishwacnc@dataone.in

Address of the Unit: - As above -

Phone/Fax/E-Mail: - As above -

Contact Person's Details: Mr. L. R. Kirad,
Mr. S. R. Kirad and Mr. R. S. Mahajan

PRODUCTS & SERVICES :

PLASTIC MOULDS, PRESS TOOLS, RUBBER MOULDS, ALUMINIUM PDC DIES HOT, WARM, COLD FORGING DIES AND PUNCHES, CARBIDE DIES AND PUNCHES (SINTERED EXTRUSION)

APPLICATION AREAS (with full details of products) :

Plastic Products: Parts required for automobiles, plastic connectors, switches, etc

Electronics: Switches / Connectors

Automobile: Machining components, press part, molded part etc.

Auto Ancillary: -

Electrical Instrumentation: -

Telecommunication: -

Medical Equipment: -

White Goods Industry: Television & Refrigerator parts

Intelligent Toys: Puzzle games

Any Others (Pl. give details): Sintering / warm & cold forging dies

ACHIEVEMENTS / MAJOR STRENGTHS

ISO/TIS 16949 : 2000

ISO 14001

INSTALLED CAPACITY

Approx. 650 700 tools per year (depends on orders received).

LAPPING FACILITY

EQUIPMENT
HI SPEED GRINDER
PNEUMATIC GRINDERS

DETAILS
30000 RPM

DETAILS OF INSPECTION FACILITIES

INSTRUMENTS
ELECTRONIC HEIGHT MASTER
SLIP GAUGE BOX
PIN GAUGE BOX
DIGITAL VERNIERS
MICROMETERS
BORE GAUGES
SURFACE PLATES
HEIGHT GAUGES
COMBINATION SET
HARDNESS TESTING MACHINE
AIR PLUG GAUGE
COMPARATOR STAND
PLUG GAUGE
SNAP GAUGE

RANGE
900 MM
2 Sets
FROM 1 mm TO 7 mm
(IN STEP OF 0.01 mm)
UPTO 300 mm
UPTO 100 mm
Dia 14 to Dia 90
MMT 800 x 400
Height Gauge upto 600mm

Dia 17.00^{±0.008}
Dia 38.00^{±0.01}
Dia 49.5^{±0.01}

MAJOR CUSTOMERS

CUSTOMER NAME
Aurangabad Electricals Pvt. Ltd.
Behr India Ltd.
DGP Hindoddy Industries Ltd.
Dharwal Electricals Pvt. Ltd.
SKF Bearings India Ltd.
Leroy Somer France Emerson Group Co.
Filtrum Tools & Components Pvt. Ltd.
GKN Sinter Metals Ltd.
Indian Seamless Metal Tubes Ltd.
JHS Taigene Electrical Co. Ltd.
Kalyani Forge Ltd.
Kinetic Engg. Ltd.
Miju Components Pvt. Ltd.
Lumax Industries Ltd.
Philips India Ltd.
Positronics Asia PTE Ltd., Singapore
Sippra Engineers Pvt. Ltd. - Nashik
Tata Auto Plasts Ltd.
Tata Ficosa Automotive System Ltd.
Tata Toys Radiators Ltd.
Victor Gaskets India Ltd. - Chakan
Vulkan Technologies Pvt. Ltd.

FINANCIAL

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	0.8	-
2004-05	1.2	0.1
2005-06	1.7	0.15

R & D EXPENDITURE & FACILITIES

Year	2003-04	2004-05	2005-06
Expenditure (Rs. Crores)	0.02	0.03	0.05

PRODUCT & SERVICES OFFERED

Al. PDC Dies & Al. Trimming Dies
Jigs & Fixtures
Sintered Dies, Precision Tool Elements
Plastic Inj. Moulds
Bearing Cages
Plastic Moulded & Press Components
Press Tool, Plastic Inj. Moulds
Sintered Dies, Precision Tool Elements
Extrusion Dies
Al. Trimming Tool
Cold & Warm Forging Dies & Component M/cg
Press Tools, Precision Tool Elements
Rubber Injection Moulds
Plastic Inj. Moulds
Press Tools
Plastic Moulded & Press Components
Al. PDC Dies & Al. Trimming Tools
Plastic Inj. Moulds
Cams & Gauges
Press Tools & Precision Tool Elements
Press Tools & Rubber Mould for Edge Moulding Gasket
Transfer Rubber Moulds

32. HASCO INDIA PVT. LTD.

COMPANY INFORMATION:

Name of the organization: HASCO INDIA PVT LTD

Address of the Corporate office / HQ: 2C-413, OMBR LAYOUT, BANASWADI, BANGALORE, PIN- 560033

Phone/Fax/E-Mail: 91-080-25457113 , 91-080-25456978(Fax), hasco.india@hasco.com.sg Web site: hasco.com

Address of the Unit: Production Unit Address
HASCO INDIA PVT LTD Door No.1, SP-1, NGEF Ancillary Estate, Mahadevapura Post, Bangalore

Phone/Fax/E-Mail: 080-41157695 / hascof@rediffmail.com

Contact Person's Details: Sonichen.P.V Managing Director

HASCO INDIA PVT. LTD.

Date & Nature of Commercial Production:

Nature: Commercial Tool Room/ Captive Tool Room / Others (Pl. Specify)
Import from HASCO Germany/Singapore and supply standard parts for Mould , Die and jigs & Fixtures parts

Technical Collaboration with (name & address) & since when:

Subsidiary of HASCO Germany

Legal form of the Unit:
Corporate / Partnership / Proprietorship / Co-operative PVT LTD

Scale of operation:
SSI [x] M & LSI

Total No. of employees:
Executives: 6
Non-executives: 8
Contract: 1

Do you sell products under your brand name? YES
If Yes Please state the brand name: HASCO
Do you export tools and related items: YES

PRODUCTS & SERVICES :

Mould Base

Hot Runner System

Accessories for Mould, Dies & Jigs and Fixtures

ACHIEVEMENTS / MAJOR STRENGTHS

HASCO INDIA has developed Hot Runner elements for Indian Market

INSTALLED CAPACITY

About Rs. 1 Crore

MAJOR CUSTOMERS

Molex, TYCO, Mastercraft Engineers, Timex, Laxmi Designers, G-Plast etc.

INFRASTRUCTURE including MAJOR MACHINERIES

CNC Deep Hole Drilling- Make Ixion
Cylindrical Grinding 2 Nos
Lathe
Radial Drilling Machine

MANUFACTURING FACILITIES

Manufacturing Hot Runner Nozzle, temperature control and manifold
Plastic Injection Mould Accessories

FINANCIAL

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	1.5 Crores	0.0
2004-05	2.0 Crores	0.0
2005-06	3 Crores	0.5 Crore

R & D EXPENDITURE & FACILITIES

Year	2003-04	2004-05	2005-06
Expenditure (Rs. Crores)	0	0.1	0.2

TECHNOLOGY ARRANGEMENT / PARTNER (S)

TECHNICAL HELP FROM HASCO Germany and Singapore

EXPORT(S) & FUTURE POTENTIAL

Mould accessories will be exported to Singapore and Germany

33. HINDUSTAN AUTOMATION

COMPANY INFORMATION:

Name of the organization: Hindustan Automation

Address of the Corporate office / HQ: S. No. 26,
Barne Industrial Estate, Opp. Pudemjee Paper Mill,
Thergaon, Pune 411 033, Maharashtra, India.

Phone/Fax/E-Mail: +91 20 2727 7296,
Fax - +91 20 2569 3413, cell no. +91 9823055983,
hindustangroup@vsnl.net, hindustan_automation@yahoo.com,
chirag_bakshi@hotmail.com

Contact Person's Details: Mr. Chirag Bakshi CEO Automation Project

Hindustan
Automation

PRODUCTS & SERVICES :

Vibratory Bowl Feeders
Vibratory Linear Feeders
Vibratory Stock Feeders
Vibratory Tables
Rotary Feeders
Voltage Controllers
Frequency Controllers
Magnetic Coils
Fiber Plates
Spring Steel Plates
Automatic Needle SPM
Automatic Drilling SPM
Automatic Rivet SPM
Automatic Stacker SPM
Link Chain Elevator
Bucket Elevator
Link Chain Conveyor
Belt Conveyor
Slat Conveyor
Pellet Assembly Conveyor
Overhead Conveyor
Chip Conveyor
Screw Conveyor
Magnetic Separator
Filtration System
Trolleys, Tool Bins & Stacker
Boilers & Air Blowers
Control Panels

APPLICATION AREAS (with full details of products) :

Plastic Products:

Electronics: **Yes**

Automobile: **Yes**

Auto Ancillary: **Yes**

Electrical Instrumentation:

Telecommunication: **Yes**

Medical Equipment: **Yes**

White Goods Industry:

Intelligent Toys:

Any Others (Pl. give details):

Product Range

- Vibratory Bowl Feeders
- Vibratory Linear Feeders
- Vibratory Stock Feeders
- Vibratory Tables
- Rotary Feeders
- Voltage Controllers
- Frequency Controllers
- Magnetic Coils
- Fiber Plates
- Spring Steel Plates
- Automatic Needle SPM
- Automatic Drilling SPM
- Automatic Rivet SPM
- Automatic Stacker SPM
- Link Chain Elevator
- Bucket Elevator
- Link Chain Conveyor
- Belt Conveyor
- Slat Conveyor
- Pellet Assembly Conveyor
- Overhead Conveyor
- Chip Conveyor
- Screw Conveyor
- Magnetic Separator
- Filtration System
- Trolleys, Tool Bins & Stacker
- Boilers & Air Blowers
- Control Panels

VIBRATORY BOWL FEEDERS

Commonly used for feeding of small parts into a machine. They are available in various sizes and capacities. They are used in a wide range of industries including automotive, electronics, and pharmaceuticals.

Applications:

- Automotive: Feeding of nuts, bolts, washers, and other small parts.
- Electronics: Feeding of components like capacitors, resistors, and diodes.
- Pharmaceuticals: Feeding of tablets, capsules, and other dosage forms.

VIBRATORY STOCK FEEDERS

Used for feeding of large parts into a machine. They are available in various sizes and capacities. They are used in a wide range of industries including automotive, electronics, and pharmaceuticals.

Applications:

- Automotive: Feeding of large components like pistons, valves, and crankshafts.
- Electronics: Feeding of large components like transformers and capacitors.
- Pharmaceuticals: Feeding of large components like tablets and capsules.

VOLTAGE CONTROLLER

Used for controlling the voltage of an AC supply. They are available in various sizes and capacities. They are used in a wide range of industries including automotive, electronics, and pharmaceuticals.

Applications:

- Automotive: Controlling the voltage of the battery.
- Electronics: Controlling the voltage of the power supply.
- Pharmaceuticals: Controlling the voltage of the motor.

FREQUENCY CONTROLLER

Used for controlling the frequency of an AC supply. They are available in various sizes and capacities. They are used in a wide range of industries including automotive, electronics, and pharmaceuticals.

Applications:

- Automotive: Controlling the frequency of the motor.
- Electronics: Controlling the frequency of the power supply.
- Pharmaceuticals: Controlling the frequency of the motor.

MAGNETIC COILS

Used for generating a magnetic field. They are available in various sizes and capacities. They are used in a wide range of industries including automotive, electronics, and pharmaceuticals.

Applications:

- Automotive: Generating a magnetic field for the alternator.
- Electronics: Generating a magnetic field for the transformer.
- Pharmaceuticals: Generating a magnetic field for the motor.

AUTOMATIC NEEDLE SPM

Used for automatic drilling of holes in needles. They are available in various sizes and capacities. They are used in a wide range of industries including automotive, electronics, and pharmaceuticals.

Applications:

- Automotive: Drilling of holes in needles.
- Electronics: Drilling of holes in needles.
- Pharmaceuticals: Drilling of holes in needles.

AUTOMATIC DRILLING SPM

Used for automatic drilling of holes in various materials. They are available in various sizes and capacities. They are used in a wide range of industries including automotive, electronics, and pharmaceuticals.

Applications:

- Automotive: Drilling of holes in various materials.
- Electronics: Drilling of holes in various materials.
- Pharmaceuticals: Drilling of holes in various materials.

34. HORIZON INDUSTRIAL PRODUCTS (P) LTD.



ESTD. 1961

HORIZON INDUSTRIAL PRODUCTS (P) LTD.

Date & Nature of Commercial Production 1961

COMPANY INFORMATION:

Name of the organization: HORIZON INDUSTRIAL PRODUCTS (P) LTD.

Address of the Corporate office / HQ:
HORIZON INDUSTRIAL PRODUCTS PVT. LTD. 80,DARYAGANJ, DELHI - 110002

Phone/Fax/E-Mail: 011-23270216/66/23276711/horizon11@vsnl.com

Address of the Unit: HORIZON IND. PRODUCTS (P) LTD. B-4,BADLI IND. ESTATE, BADLI,DELHI-45

Phone/Fax/E-Mail: 011-27855754/27853464/horizon_b4@yahoo.com

Contact Person's Details:Mr. A K Kaul

PRODUCTS & SERVICES :

WE ARE ALSO INTO DESIGN & MANUFACTURE OF PRESS TOOLS (PROGRESSIVE / SINGLE STATIONED), JIGS & FIXTURES, PANEL CHECKERS.

WE MANUFACTURE SHEET METAL COMPONENTS & SUB ASSEMBLIES FOR AUTOMOTIVE SECTOR & HARDWARE MARKET.

APPLICATION AREAS (with full details of products) :

Plastic Products:
Electronics: FOR SHEETMETAL PARTS
Automobile: SHEETMETAL BODY PARTS
Auto Ancillary: SHEET METAL COMPONENTS & SUB-ASSEMBLIES FOR AUTOMOBILE SECTOR. RANGING FROM SKIN PARTS TO BODY PARTS ENGINE MANUFACTURERS & CAR JACKS ASSY, WIPER ARM LINK ASSY.
Electrical Instrumentation:
Telecommunication:
Medical Equipment:
White Goods Industry:
Intelligent Toys:
Any Others (Pl. give details):WE ALSO MANUFACTURE SHEET METALS / HARDWARE PARTS & ALSO INTO DESIGNING & MANUFACTURE OF ECO FRIENDLY CENTRAL HEATING ITEMS




ACHIEVEMENTS / MAJOR STRENGTHS

- Sr. VICE PRESIDENT'S AWARD FOR OUTSTANDING PERFORMANCE IN SHEETMETAL FROM M/s. ESCORTS LTD.
- CERTIFICATE OF MERIT IN FABRICATION FROM M/s. ESCORTS LTD.
- MUL'S BEST VENDOR PERFORMANCE AWARD
- STATE BANK OF INDIA AWARD FOR NATIONAL MOVEMENT FOR QUALITY
- MUL'S VENDOR PERFORMANCE AWARD
- HONDA SIEL'S BEST SUPPLY PERFORMANCE AWARD
- HONDA SIEL'S AWARD FOR EXPORT
- HONDA SIEL'S AWARD FOR COST- REDUCTION
- HONDA SIEL'S AWARD FOR QUALITY
- CII'S AWARD FOR QUALITY EXCELLENCE IN "IETF

INSTALLED CAPACITY

- 1) POWER PRESS : 10 TONS ~ 300 TONS
- 2) WELDING SPM
- 3) PROJECTION WELDING
- 4) SPOT WELDING
- 5) CNC MILLING (MAKINO) : 02 NOS
- 6) CNC WIRECUT (MAKINO) : 01 NOS
- 7) TOOL ROOM MACHINES : GRINDING, MILLING , DRILLING, LATH ETC.

MAJOR CUSTOMERS

- a) MARUTI UDYOG LIMITED
- b) DELPHI AUTOMOTIVE SYSTEMS
- c) HONDA SIEL CARS INDIA LTD.
- d) HINDUSTAN MOTORS
- e) GENERAL MOTORS (IInd TIER)
- f) JAY BHARAT MARUTI LIMITED
- g) CAPARO MARUTI LTD.

INFRASTRUCTURE including MAJOR MACHINERIES

- POWER PRESS : 10 TONS ~ 300 TONS
- WELDING SPM
- PROJECTION WELDING
- SPOT WELDING
- CNC MACHINING CENTER (MAKINO) : 02 NOS
- CNC WIRECUT : 01 NOS
- TOOL ROOM MACHINES : GRINDING, MILLING , DRILLING

MANUFACTURING FACILITIES

TOOL CONCEPT
TOOL DESIGN
PRECISION MACHINING
TOOL ASSEMBLY
TOOL TYOUTS

FINANCIAL

Year	Gross Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	12	1.3
2004-05	18	1.6
2005-06	25	2.8

R & D EXPENDITURE & FACILITIES

Year	2003-04	2004-05	2005-06
Expenditure (Rs. Crores)	1%	1%	2%


TECHNOLOGY ARRANGEMENT / PARTNER (S)

OLAS - ITALY
STORZ GERMANY
BIASI - ITALY

EXPORT(S) & FUTURE POTENTIAL

EXPORTED DIES TOOLS PROGRESSIVE OPERATION WISE, TOOLS DESIGNS. NEW EXPORT ORDERS UNDER NEGOTIATION FOR DIES & TOOLS & COMPONENTS


36. INCITE CAM CENTRE



Tooling solutions from India

Estab. 1999

ISO 9001:2000



Incite Cam Centre

PRODUCTS AND SERVICES

CAD/CAM Services
 Product Design and Development
 Reverse engineering
 3D to 2D
 CAD components assemblies and Prototyping

Rapid Prototyping
 Physical prototypes in Metal, Plastic and Rubber using various processes like Machining, FDM, Soft/Quick Moulding/Tooling.

Design & Manufacture of Dies & Moulds
 Focus on Gravity Die casting, Injection Moulding, Investment casting and Dies for Rubber components.

Design & Manufacture of Jigs & Fixtures
 Turn key solution starting from 'Design thro' manufacturing of Jigs and Fixtures.

Applications
 Automotive
 Aerospace
 Medical Equipment
 Machine Tool
 Electronics and Telecommunication Industry

Installed Capacity
 99 Dies and Moulds per annum
 16200 Hours for Engineering Services

Major Achievements
 One of the Global suppliers to GE group for their Plastic & Rubber parts
 Indiginisation of components thro' Research & Development
 Tier II supplier to General Motors for supply of Plastic parts.
 Registered vendor of Amphil India Ltd. for manufacturing of Dies
 Manufactured dies of size upto 1000x800x800 mm

Major Customers

Mico Bosch Group	GE Medical Systems
GE Power Controls	BFW
Indo German Tool Rooms	BPL Limited
Hindustan Aeronautics Limited	New Holland Tractors
Hindustan Machine Tools	Indian Space Research Organisation
ISRO	Dantool, Denmark

Infrastructure

3 Manufacturing Locations In Bangalore and surroundings
 Incite Cam Centre employs 25 technical manpower

Design

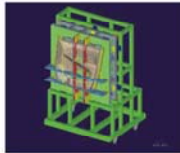
Incite Cam Centre backed by State-of-the-art Design Infrastructure

Softwares

Pro/Engineer CAD Modelling Software
 Cimatron Software for Dies and Moulds
 Mastercam Cam Tool

Manufacturing Facilities

CNC Vertical Machining Centers - Sizes starting from 800x600 up to 2500x600
 Surface Grinding Machine- 800x600
 Conventional Milling Machine
 Radial Drilling Machine
 Conventional Lathe
 Complete range of Inspection and Measuring Instruments



Financial

Year	Turnover (USD)	Exports (USD)	R&D (USD)
2002-2003	97000	36360	21860
2003-2004	197232	134628	44900
2004-2005	237465	99767	58140

Consultancy

Injection Mold Design in 3D & 2D for Ope-cover, Ope-pannel.

Major Project Executed

Injection Moulds for

18 different components and supply for the car interiors developed for General Motors like

Door Inner	Door Outer	Mat Cup Holder
Cluster Chrome Ring	Sil Plates	B-Pillar Retainers
Liners	Knee-Bolsters etc.	

Gravity casting dies for

Fuel Pump Housings
 Gear Box Casting
 6 Port Cylinder Head
 Power Tool Housing
 Furniture Supports etc.

Alternator End Cover
 Water & Oil Pump Bodies
 Heat Sink
 Volute Body



Pressure Die Casting Dies for

Die Cast Cover
 10-12 types angular connectors

Nodes
 Water Pump Bodies

Dies for investment casting patterns for

3" ball
 HLink

Valve body
 Cuepro

Checking Fixtures

Door Trims Front & Rear Door
 Assembly Fixture for Front Bumper
 Checking fixture and drill jig for canopy

Seat - Captain, Normal, Tumble & Space up
 Acceptance fixture and drill jig for wind screen

Product Design, Development & Manufacturing of Prototypes

Marble Cutter: All the parts of this Power Tool were designed, developed and also actual working samples (Prototypes) were produced. These were used for approval and functional tests.

Alternator housings of about 12 types

Starter housings about 4 types

Power Tool Marble cutter assembly

Electronic Readers housings of 5 types

X-ray machine collimator

Alternator End covers

E-Reader



Technology Arrangement

Joint Venture
 Marketing
 Manufacturing Licence

Export Potential

United States of America	Canada
South Africa	Middle East Countries
Australia	European Countries



37. INDUSTRIAL PUNCHES RABOURDIN PVT. LTD.

COMPANY INFORMATION:

Name of the organization: INDUSTRIAL PUNCHES RABOURDIN PVT LTD

Address of the Corporate office / HQ: 29, DODDANEKUNDI INDL AREA, MAHADEVAPURA POST, 2ND STAGE, BANGALORE 560048 INDIA

Phone/Fax/E-Mail: 91-080-28524251/FAX:91-080-28540153
EMAIL: INFO@INDUSTRIALPUNCHES.COM

Address of the Unit: 29, DODDANEKUNDI INDL AREA, MAHADEVAPURA POST, 2ND STAGE, BANGALORE 560048 INDIA

Phone/Fax/E-Mail: PH:91-080-28524251/FAX:91-080-28540153/
EMAIL: INFO@INDUSTRIALPUNCHES.COM

Contact Person's Details: Bharath Someshwar, DIRECTOR
Email: info@industrialpunches.com Website: http://www.industrialpunches.com
Tel: 080-28524251/ Fax:080-28540153 Mob: 9880333650


ESTD. 1974

INDUSTRIAL PUNCHES RABOURDIN PVT LTD

PRODUCTS & SERVICES :

Industrial Punches has been in the field of manufacturing ejector pins (for moulding purposes) and piercing punches (for sheet metal punching purposes). We cater to the needs of almost all discerning industries, manufacturing Press Tools, PCBs, Die Castings, Moulded Components, Plastic Components, Automobile Components, Music systems, TVs and such other similar items.

We also deal with die springs, shoulder bolts, guide bushes and other standard elements for moulds and dies. These products are imported from our French partner company, Rabourdin Industrie.



APPLICATION AREAS
(with full details of products) :

Plastic Products: Ejector Pins for ejection of plastic products from injection mould.

Electronics: Punches and special pins to pierce sheet metal components like PCB.

Automobile: Ejector pins for ejection of die alloy castings from injection mould
Auto Ancillary: Ejector pins for ejection of die alloy castings from injection mould.

Electrical Instrumentation:

Telecommunication:

Medical Equipment:

White Goods Industry:

Intelligent Toys:

Any Others (Pl. give details):

MAJOR CUSTOMERS

- BAJAJ AUTO LTD
- FEDERAL MOGUL GOETZE (INDIA) LTD
- HAVELL'S INDIA LTD
- RICO AUTO INDUSTRIES LTD

(OVER 400 CUSTOMERS ALL OVER INDIA)

INFRASTRUCTURE including MAJOR MACHINERIES

MANUFACTURING FACILITY IN WHITEFIELD WITH AROUND 25 MACHINES CENTERLESS GRINDING MACHINES, PARTING MACHINES, LATHES, INSPECTION DEVICES LIKE HARDNESS TESTERS, PROFILE PROJECTORS ETC.



FINANCIAL

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	1.8 CRORES	NIL
2004-05	1.9 CRORES	NIL
2005-06	2.3 CRORES	NIL

R & D EXPENDITURE & FACILITIES

Year Expenditure (Rs. Crores)	2003-04	2004-05	2005-06
	NIL	NIL	NIL

TECHNOLOGY ARRANGEMENT / PARTNER (S)

M/s Rabourdin Industrie Export Department
Parc Gustave - Eiffel - 4, Avenue Gutenberg - Bussy Saint Georges, 77607 Marne la Vallee Cedex - 3, FRANCE

EXPORT(S) & FUTURE POTENTIAL

PLANNING TO START EXPORTS IN YEAR 2007-2008



38. JAII MARUTHI TOOLS (P) LTD





JAII MARUTHI TOOLS (P) Ltd.

Certificate Reg. No. 12 100 17888 TMS from TUV

COMPANY INFORMATION:

NAME OF THE COMPANY: JAII MARUTHI TOOLS (P) LTD

NAME OF THE PROMOTORS: MR. N. SONAI MUTHU

ADDRESS OF THE FIRM: 3,3rd cross st. KAMARAJ NAGAR, KORATTUR CHENNAI 600 080

PH : 044 - 2624 2452 TELE FAX : 044 - 26243729
E-MAIL ADDRESS : jaiimaruthi@sify.com

PRODUCTS & SERVICES :

COLD FORMING TOOLS, HOT FORMING TOOLS, COLD EXTRUSION TOOLS, PRESS TOOLS, MOULDS, JIGS & FIXTURES, SPL. TOOLS & GAUGES BOLSTER ASSY., MACHINE SPARES

MACHINES : DETAILS ENCLOSED

MAN POWER : MANAGERIAL - 5
MARKETING - 3
DESIGN - 1
SUPERVISORS - 4
QC ENGINEERS - 4
OPERATORS - 45
TOTAL - 62

T.N.G.S.T. NO. : 1441564 / 2000-2001
C.S.T. NO. : 763335
S.S.I. NO. : 330 110 475 / 27-6-02
E.C.No : AABCJ0722 EX M001
Area code : 073
VAT NO./
TIN NO. : 33611441564
TURN OVER : 250 LAKHS PER ANNUM
BANK ACCOUNT : STATE BANK OF TRAVANCORE, ANNA NAGAR WEST EXTN CHENNAI 101
ISO ACCREDITION : STATUS
ISO - 9001 : 2000
CERTIFICATION OBTAINED

LIST OF MEASURING INSTRUMENTS

INSTRUMENT	RANGE	L.C.	QTY.
MICROMETER	0 - 25	0.01	7
MICROMETER	25 - 50	0.01	4
MICROMETER	50 - 75	0.01	2
MICROMETER	75 - 100	0.01	2
MICROMETER	100 - 125	0.01	1
MICROMETER	125 - 150	0.01	1
MICROMETER	150 - 175	0.01	1
MICROMETER	175 - 200	0.01	1
MICROMETER	200 - 300	0.01	1
MICROMETER	300 - 400	0.01	1
DIGIMATIC MICROMETER	0 - 25	0.001	1
DIAL CALIPER	0 - 200	0.02	2
DIGIMATIC CALIPER	0 - 200	0.02	1
VERNIER CALIPER	0 - 200	0.02	3
VERNIER CALIPER	0 - 300	0.02	2
DEPTH VERNIER	0 - 300	0.01	1
DEPTH MICROMETER	0 - 50	0.01	2
PLUNGER DIAL GAUGE	0 - 1.0	0.001	6
LEVER DIAL GAUGE	0 - 2.0	0.002	1
LEVER DIAL GAUGE	0 - 2.0	0.01	2
BORE DIAL GAUGE	18 - 35	0.01	2
BORE DIAL GAUGE	35 - 50	0.01	1
BORE DIAL GAUGE	35 - 60	0.01	1
BORE DIAL GAUGE	50 - 160	0.01	1
BORE DIAL GAUGE	150 - 300	0.01	1
HEIGHT GAUGE	0 - 300	0.02	1
DIAL HEIGHT GAUGE	0 - 300	0.01	1
COMB. BEVEL PROTRACTOR	0 - 360	0.5	1
PROTRACTOR	0 - 360	1	1
HARDNESS TESTER		1 HRC	1
SINE BAR	100 MM		1
SLIP GAUGE SET GRADE 1	0.5- 100		1 SET
PROFILE PROJECTOR	10X & 20X		1

VISION

To reach 250 Million Group turnover in 2007-2008
To be a Hi-Tech Tool Room with the state of the art manufacturing facility, coupled with Tool Designing Capability
To be a recognized and much sought export house, by making our presence felt all over the world.
To be a Hi-Tech Quality Component/ Sub Assy. Manufacturer

Advantage of Jaii Maruthi Group

Qualified, Trained & Dedicated Man power
Systemised Organization
Cost efficiency
Assured Quality
Transparency in operations
High Degree of Service

Our Partners in Progress

All Leading

Fasteners Industries
Chain Industries
SPM Mfg. Industries
Component Forging Industries
Piston Ring Industries
Public sector companies like HAL, BEML, HVF, BHEL etc...
Plastic and Rubber Mould companies

Our Products

Jigs and Fixtures, SPM Spares, Punches & Pins, K.O.Pins & sleeves, Mandrels & Collars, Bolster Assembly, Press tools & Drill jigs, Forging tools & Moulds and Dies

39. JBM AUTO LIMITED



COMPANY INFORMATION:

Name of the organization: JBM AUTO LIMITED

Address of the Corporate office / HQ: 601, HEMKUNT CHAMBERS
89, NEHRU PLACE, NEW DELHI-110019

Phone/Fax/E-Mail: +91-11-26427104 -PHONE
+91-11- 26427110 FAX

Address of the Unit: PLOT NO. -133 , SEC-24 , FARDIDABAD
HARYANA-121005

Phone/Fax/E-Mail: +91-129-4090200 - PHONE
+91-129-2234230 - FAX

Contact Person's Details: Mr. B.B.Gupta (Business Group Head)
bbgupta@jbm.co.in

ESTD. 1990

JBM AUTO LIMITED

Date of Commercial Production
1990

PRODUCTS & SERVICES :

PRESS TOOLS
JIGS
FIXTURES

APPLICATION AREAS (with full details of products) :

Plastic Products: -

Electronics: Tools for Panels

Automobile: Tool Room for Sheet Metal Auto Parts

Auto Ancillary: Shaped blanks, Sheet metal stampings, welded assemblies, exhaust systems, chassis and suspension systems, rear axles, wheel rims, press toolings, jigs and fixtures, high tensile fasteners etc.

Electrical Instrumentation: Tools for Panels / Motor & Transformer Stampings

Telecommunication: -

Medical Equipment: -

White Goods Industry: Tools for Sheet Metal Parts

Intelligent Toys:

Any Others (Pl. give details):
LPG Cylinders, other sheet metal stampings for various applications.





ACHIEVEMENTS / MAJOR STRENGTHS

One of the biggest tool rooms in India.

Experience of dealing with almost every OE automobile company in India and abroad.

INSTALLED CAPACITY

Large Size Tools upto 3500 x 2000 mm 50 Nos / Year

Medium Size Tools upto 2000 x 1000 mm 50 nos. / Year


Small Size Tools upto 1000 x 500 100 Nos. / Year

MAJOR CUSTOMERS

M&M, Ford, HSCIL, Maruti, Volvo, Renault, Whirlpool, Samsung, HMT etc.

INFRASTRUCTURE including MAJOR MACHINERIES

- CNC Milling M/c 6 Nos
- Wire Cut / EDM 3 Nos.
- Inspection CMM 2 Nos.
- Trial Presses
- Large Size machines like Borer, Plano Miller 4 Nos.
- Other Conventional Tool Room Machines




MANUFACTURING FACILITIES


- Inhouse Die Shop
- Handling EOT Cranes and Fork Lift Trucks.
- Softwares : IDEAS CAD/CAM, CATIA, ALTAIR, UGS, VISI Modelling, VISI Cad, VISI Machining 3D. Imageware etc.

FINANCIAL

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	-	-
2004-05	-	-
2005-06	Approx 25.0 Crores	-



40. JEKUMA TOOLS & GAUGES PVT. LTD.



COMPANY INFORMATION:

Name of the organization: Jekuma Tools & Guages Pvt. Ltd.

Address of the Corporate office / HQ: A-19, H Block, MIDC, Pimpri, Pune 411 018

Phone/Fax/E-Mail: (020) 2747 2131, sales@jekuma.com

Contact Person's Details: Mr. Sunil Jejurikar

Jekuma Tools & Guages Pvt. Ltd.

APPLICATION AREAS
(with full details of products) :

Plastic Products: Two wheeler plastic parts, injection moulds

Electronics :

Automobile: Aluminium parts (two wheeler) PDC Dies

Auto Ancillary:

Electrical Instrumentation:

Telecommunication:

Medical Equipment:

White Goods Industry:

Intelligent Toys:

Any Others (Pl. give details):

PRODUCTS & SERVICES :

- Jlg
- Fixtures
- Toolings
- Die-mould

ACHIEVEMENTS / MAJOR STRENGTHS

Design

INSTALLED CAPACITY

6500 Machine Hours for VMC

MAJOR CUSTOMERS

Fairfield Atlas

INFRASTRUCTURE including MAJOR MACHINERIES

DECKEL MAHO VMC

FINANCIAL

Year	Turnover(Rs. Crores)	Exports (Rs. Crores)
2003-04	1.03	-
2004-05	1.06	-
2005-06	1.10	-

TECHNOLOGY ARRANGEMENT / PARTNER (S)

CIMATRON CAD / CAM Solution

FACILITY

Jekuma provides complete service in designing, manufacturing, and program management of tooling from initial concept to years later, when the product life cycle is complete. We provide the customer with Latest Technologies and Advanced Management systems designed for reduction of cost and time. All the parts are studied very carefully and checked by the professionals prior to the start of tool design, in an effort to simplify the part and therefore minimize the complexity in the tools.

"dhIti" The Design Room

The company has a full-fledged design room called dhIti which is well equipped with six terminals of latest hardware and software configuration, dhIti is managed by professional engineers and draftsmen who have good experience in the industry. The designing facility is the best in the industry which does out excellent ideas and design. Utilising the latest state of the art technology and equipment available JEKUMA can confidently develop Prototypes, Design then Manufacture the most complex tooling.

"rUDhi" The Production Facility.

The company has a state of art tool room setup. It has a perfect mix of NC, CNC and conventional machines which are required for production of Jig-Fixtures, Dies and Moulds and special purpose toolings. Most of the machinery setup is in-house but we are in tie-ups with various vendors who have been providing prioritised service for our operations.

The company has two CNC machine (DMC 53v and DMC 103V) imported from Germany for three and four axis machining. The machines are manufactured by Deckle Maho and are of topmost accuracy and finish. These machines are the best in business for machining of precision die inserts and special critical toolings. The conventional set of machines and the NC machines are also companies of repute and are regularly maintained for accuracy. These are regularly calibrated through professional agency on regular basis through a AMC.

"vinIGRaha" the Quality control Room

All employees at JEKUMA understand the importance of supplying a quality product to the customer. This has been achieved by the successful development of a Internal Quality Policy. Regular steps are undertaken to ensure the continual improvements of our Quality System and product. This year we are in process of complying with ISO 9001: 2001.

The company's quality control room "vinIGRaha" is operated by extensively trained and highly skilled personnel. The Standard Room utilizes the very latest state of the art measuring equipment like the TRIMOS.

The staffs are continually updating their inspections methods to keep in line with the latest advancements in measuring technology. All measuring instruments are subject to a stringent calibration program to ensure only the highest quality measuring instruments are used from the receipt of material to the final delivery of the product.

41. JYOTI PLASTICS WORKS PVT. LTD.

COMPANY INFORMATION:

Name of the organization: Jyoti Plastics Works pvt. Ltd.

Address of the Corporate office / HQ: 94, Bombay Talkies Compound, Malad (West), Mumbai 400064 (India).

Phone/Fax/E-Mail: +91-22-28823241/42
Fax No: +91-22-28820629 Email: info@jyotimail.com

Address of the Unit: Plot 8&9, Panchal Industrial Estate Bhipore, Nani Daman, Union Territory, of D&NH.

Phone/Fax/E-Mail: +91-260-2220748

Contact Person's Details: Mr Ashish Desai - Director

ESTD. 1959

Jyoti Plastics Works Pvt. Ltd.

PRODUCTS & SERVICES :

Submersible Pump Part, Flow Control Equipment, PRP Pipes & Fittings, Modular Bunk Housing, Custom Moulded Parts
 Concept Visualiation, Product Design & Development, Reverse Engineering, CAD/CAM /CAE, Rapid Prototyping, Selection of Raw, Material, Process Selection (Molding, extrusion, fabrication etc...), Mold Design / manufacturing, Reliability Testing, Production and Assembly Project Management (with customer specific models developed specifally for export)

APPLICATION AREAS (with full details of products) :

Plastic Products:
 Impeller & Diffuser for submersible pump parts Valves & pumps for flow control equipment Pipes & Fittings for sanitary application

Electronics: Switch Gear

Automobile: Radiator Parts

Auto Ancillary: N.A

Electrical Instrumentation: N.A

Telecommunication: N.A

Medical Equipment: N.A

White Goods Industry: N.A

Intelligent Toys: N.A.

Any Others (Pl. give details):



ACHIEVEMENTS / MAJOR STRENGTHS

- # Product Design & Development
- # Tool Engineering
- # Injection Molding
- # Composite Molding
- # Fabrication
- # Extrusion
- # Assembly and Testing

- # Oil and Natural gas Corporation(ONGC), India
- # Neclear Power Corporation (NPCL), India
- # Bhabha Automic Reserch Centre (BARC), India
- # Tata Hydro Electric Supply Co., India
- # Larsen & Toubro Limited, India

MAJOR CUSTOMERS

- #Circuit Engineering , L.L.C. USA
- # A-1 Components, USA
- # Total Molding Solutions . USA
- # Next Speciality Resins, USA
- # Egytrafo , Egypt
- # The Tple Trading Company, U.K.
- # reliance Industries Ltd., India
- # Mahanagar Telephone Nigam Ltd., India

FINANCIAL

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	11.40	0.20
2004-05	8.00	0.38
2005-06	11.11	0.46

EXPORT(S) & FUTURE POTENTIAL

Currently having an experience of supplying molds & molded articles to US, Italy & UK.

42. KALYANI MOULD BASE PVT. LTD.

<p>COMPANY INFORMATION:</p> <p>Name of the organization: KALYANI MOULD BASE PVT. LTD.</p> <p>Address of the Corporate office / HQ: 14,Raju Industrial Estate, Penkar Pada Road, P. Mira, Dist. Thane-401104</p> <p>Phone/Fax/E-Mail: Tel.: 91-22 - 28456637,28455290,28454586 Fax : 91-22- 28454592 Email: moldbase@vsnl.com, info@kalyanimouldbase.com</p> <p>Address of the Unit: 14. Raju Industrial Estate, Penkar Pada Road, P. Mira,Dist. Thane-401104</p> <p>Phone/fax/E-Mail: Tel.: 91-22 - 28456637,28455290,28454586 Fax : 91-22- 28454592 Email: moldbase@vsnl.com, info@kalyanimouldbase.com</p> <p>Contact Person's Details: C.H.BALAN</p>		<p>KALYANI MOULD BASE PVT. LTD.</p> <p>Date of Commercial Production 1986</p>
<p>PRODUCTS & SERVICES :</p> <p>Mould Base, Guide Pillar,Guide Bush , Dowel Machined Plate, Die Sets.</p> <p>The company is specialist in making Precision Mould Bases for Plastic & Die Casting Industries ranging from 160*160 to 1500*4000 all machining completed like Pocket milling, Boring, Cooling Holes drilled, Core & Cavity rough machined as per customers requirement.</p>	<p>APPLICATION AREAS (with full details of products) :</p> <p>Plastic Products: Automobile-bumper, dash board,Interior plastic parts.</p> <p>Electronics: Consumer Electronic, White goods.</p> <p>Automobile: Two wheeler, Three wheeler, Four wheeler-plastic components.</p> <p>Auto Ancillary: Lighting</p> <p>Electrical Instrumentation:</p> <p>Telecommunication:</p> <p>Medical Equipment:</p> <p>White Goods Industry:</p> <p>Intelligent Toys:</p> <p>Any Others (Pl. give details):</p>	

<p>ACHIEVEMENTS / MAJOR STRENGTHS</p> <p>Equiped with high precision, latest machine tools LNL-manual, High capacity 4000X 1200 mm,skilled labour etc.</p>	<p>INFRASTRUCTURE including MAJOR MACHINERIES</p> <table border="1"> <tr> <td>CNC Millin Machine Guratu</td> <td>4000x1200mm</td> </tr> <tr> <td>Super Max Milling cnc</td> <td>2200x1000mm</td> </tr> <tr> <td>Novar CNC Milling</td> <td>2000x1000mm</td> </tr> <tr> <td>Sip Jig Boring</td> <td>1400x1000mm</td> </tr> <tr> <td>Thompson Grading Machine</td> <td>3000x1000mm</td> </tr> </table>	CNC Millin Machine Guratu	4000x1200mm	Super Max Milling cnc	2200x1000mm	Novar CNC Milling	2000x1000mm	Sip Jig Boring	1400x1000mm	Thompson Grading Machine	3000x1000mm		
CNC Millin Machine Guratu	4000x1200mm												
Super Max Milling cnc	2200x1000mm												
Novar CNC Milling	2000x1000mm												
Sip Jig Boring	1400x1000mm												
Thompson Grading Machine	3000x1000mm												
<p>INSTALLED CAPACITY</p> <p>CNC milling 7nos. Jigboring 3 nos. Heavy surface grinder 2 nos. Convention milling 7 nos.</p>	<p>MANUFACTURING FACILITIES</p> <p>Well equipped tool room premises of area 20000 sq. ft with material handling upto 15 ton and have well equipped quality control measuring instruments.</p>												
<p>MAJOR CUSTOMERS</p> <p>Varroll Engineering Ltd. Maruti Udyog Ltd. Larson & Tubro Ltd. Pricol Ltd. Minda Huff United Precision Mutual Industries Ltd.</p>	<p>FINANCIAL</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Turnover (Rs. Crores)</th> <th>Exports (Rs. Crores)</th> </tr> </thead> <tbody> <tr> <td>2003-04</td> <td>4.75</td> <td>0.50</td> </tr> <tr> <td>2004-05</td> <td>5.50</td> <td>0.65</td> </tr> <tr> <td>2005-06</td> <td>6.50</td> <td>0.80</td> </tr> </tbody> </table>	Year	Turnover (Rs. Crores)	Exports (Rs. Crores)	2003-04	4.75	0.50	2004-05	5.50	0.65	2005-06	6.50	0.80
Year	Turnover (Rs. Crores)	Exports (Rs. Crores)											
2003-04	4.75	0.50											
2004-05	5.50	0.65											
2005-06	6.50	0.80											
	<p>EXPORT(S) & FUTURE POTENTIAL</p> <p>There is potential for more exports for the existing line of products.</p>												

43. KARTHIGEYA MOULDS & DIES PVT. LTD.




COMPANY INFORMATION:

Name of the organization: Karthigeya Moulds & Dies Pvt. Ltd.

Address of the Corporate office / HQ :
Plot No. 46 & 47, SIDCO Industrial Estate, Thirumudivakkam, Chennai 600 044

Phone/Fax/E-Mail: 00-91-44-24781359, Fax. 24782428
admn@karthigeya.com

Contact Person's Details: Mr. N. Arumugarn, — 9884303846




Karthigeya Moulds & Dies Pvt. Ltd.

PRODUCTS & SERVICES :

Tool Manufacturer

Parts supply



APPLICATION AREAS (with full details of products) :

Plastic Products:
Electronics:
Automobile:
All two wheeler parts of TVs motors
All Car head lamp bodies of different endurers like Tata, Ford, Lens of 4 wheelers components Styling parts/Trim parts/air filter assembly parts etc.

Auto Ancillary:
Electrical Instrumentation:
Telecommunication:
Medical Equipment:
White Goods Industry:
Intelligent Toys:
Any Others (Pl. give details):
House hold
All type of washing machine parts for whirlpool whirlpool and IFB industries
Samtons products for EID parry Coffee maker products

ACHIEVEMENTS / MAJOR STRENGTHS

Mould manufacturing within 9 days
ISO 9001: 2000 certified by BSI
TS 16949:2002 certified for molding division by BSI
SS certified by ABK -AOTS

INSTALLED CAPACITY

As per our customers needs

MAJOR CUSTOMERS

TVS Motor company
General Motors
Tata Motors
Visteon automotive Systems
India Japan Lighting
Sundaram auto components Ltd.
Whirlpool





250 T to 1000T capacity moulds we can able to manufacture/ Parts supply molding machines ranging from 250 T to 1000T.

FINANCIAL

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	4.0 Cr	-
2004-05	5.39 Cr	-
2005-06	9.8 Cr	0.36 Cr
2006-07	15 Cr	Above 175 lacs (upto Feb'07)



EXPORT(S) & FUTURE POTENTIAL

Canada
Omdpmesoa
USA







SPOTTING PRESS 10 T - EOT CRANE




Very few in India




44. KAY DEE ENTERPRISES

			
			
<p>COMPANY INFORMATION:</p> <p>Name of the organization: Kay Dee Enterprises</p> <p>Address of the Corporate office / HQ: E-73, Sector 6, Noida, UP 201301</p> <p>Phone/Fax/E-Mail: 9811647493 / 0120-4357655 / kanwar5@yahoo.com</p> <p>Address of the Unit: E-73, Sector 6, Noida, UP 201301</p> <p>Phone/Fax/E-Mail: 9811647493 / 0120-4357655 / kanwar5@yahoo.com</p> <p>Contact Person's Details: Kanwardeep Singh, 9811647493</p>		<p>Kay Dee Enterprises</p> <p>Date of Commercial Production 2006</p>	
		<p>PRODUCTS & SERVICES :</p> <p>Design and development of complete toolings for plastic moulds, Sheet metal and die-casting applications.</p> <p>Design and development of jigs, fixtures and gauges.</p> <p>CNC milling job work.</p>	
		<p>APPLICATION AREAS (with full details of products) :</p> <p>All tool room activities.</p>	

			
<p>ACHIEVEMENTS / MAJOR STRENGTHS</p> <p>Complete inhouse tooling solutions, right from design stage to part try out.</p>			
<p>INSTALLED CAPACITY</p> <p>Capacity to develop</p> <p>Injection moulds - upto 850 Tons moulding mc.</p> <p>Die casting tools - upto 500 Tons casting mc.</p> <p>Press tools - upto 200 Tons press</p>			
<p>INFRASTRUCTURE including MAJOR MACHINERIES / 7 Manufacturing facilities</p>			
<p>Tool room machines-</p> <p>a) CNC Vertical Machining centers - 04 nos.</p> <p>Make Rambo Taiwan, Mitsubishi Controller, Travel - 1200 X 700 X 900mm-01</p> <p>nos.</p> <p>Make Huey Long Taiwan , Mitsubishi Controller, Travel - 1000 X 600 X 500mm-01</p> <p>nos.</p> <p>Make Feeler Taiwan, Mitsubishi Controller, Travel - 800 X 500 X 500mm-01</p>		<p>nos.</p> <p>Make LML India, Fanuc Controller, Travel - 800 X 500 X 500mm-01</p> <p>nos.</p> <p>b) EDM - 01 nos.</p> <p>Toolcraft Make - Tank Size - 2000 X 1000 mm</p> <p>c) Conventional Milling machines - 02 nos.</p> <p>d) Surface Grinder - 01 nos.</p> <p>e) Radial Drilling Machine - 01 nos.</p> <p>f) Lathe - 01 nos.</p> <p>g) Shaper - 01 nos.</p> <p>h) Drilling M/c - 02 nos.</p> <p>i) Pneumatic Polishing m/c with 80000rpm.</p> <p>j) Inspection facilities include surface table, height gauges, slip gauges, digital vernier calipers, micro meters, bore gauges etc.</p> <p>CAD/CAM facilities-</p> <p>I-Deas Master Series v11.0 - 1 seat</p> <p>Pro-E Wild Fire v2.0 - 1 seat</p> <p>Delcam Powermill v6.0 - 1 seat</p> <p>Moulding machines-</p> <p>Cincinnati 775 Tonns - 1 nos.</p> <p>Cincinnati 650 Tonns - 1 nos.</p> <p>Cincinnati 550 Tonns - 1 nos.</p> <p>Alphas 450 Tonns - 1 nos.</p> <p>Alphas 180 Tonns - 1 nos.</p>	

45. KENNAMETAL INDIA LIMITED



COMPANY INFORMATION:

Name of the organization: KENNAMETAL INDIA LIMITED


Address of the Corporate office / HQ: 8/9th Mile, Tumkur Road Bangalore - 560073 Karnataka, India

Phone/Fax/E-Mail: +91 80 28394321/ +91 80 283947 / bangalore.information@kennametal.com

Address of the Unit:

Phone/Fax/E-Mail:

Contact Person's Details:



ESTD. 1966

KENNAMETAL INDIA LIMITED

Date & Nature of Commercial Production 1968

PRODUCTS & SERVICES :

- Manufacturing of hardmetal, hardmaterial & their products.
- Machine tool business.
- Jigs & Fixtures
- Carrier bodies

APPLICATION AREAS (with full details of products) :

Metal Working: Cutting tools for metal cutting application.

- Turning Inserts for Steel, CI, SS, Non Ferrous
- Milling Inserts for Steel, CI, SS, Non Ferrous
- Round tools (Drills, Reamer, Gun Drills) for Steel, CI, SS, Non Ferrous

Engineered Products



- COLD HEADING PELLETS.
- MECHANICAL SEAL RINGS.
- HEADING DIES
- WEAR PARTS
- Punches / Flute rolls/ Plugs
- WIRE, BAR & TUBE DRAWING PELLETS
- ROLLS FOR WIRE ROD MILLS



Machine tool business.

- Spl. Purpose Machines
- Jigs & Fixtures

Carrier bodies.

- Milling cutters.
- Tool holders

INFRASTRUCTURE including MAJOR MACHINERIES

- UG Software for design.
- CNC Precision milling machine 1 No.
- Work station for CAD/CAM
- Powder mixture (lodige mixer).
- Scanning Electron Microscope with EDS
- X-Ray Diffractometer
- Optical Microscope with Image Analyser




MANUFACTURING FACILITIES



We are having following machines-

- Hyd. Power Compacting Presses 2 No.
- Vacuum Sintering Furnace 3 No.
- Precision periphery Grinders 6 No.
- Top & Bottom grinders 3 No.
- CVD Coating furnaces 3 No.
- CNC Tool & Cutters 6 No.
- Edge Honing Machines 4 No.

INSTALLED CAPACITY

Sl.No	Products	Years	Capacity Installed	Installed Capacity	Yearly Production (T Year)
1	Manufacturing of Hard metal, Hard material & their products (Covering Metal Working, Metal Forming & Wear Parts)	2003-04	240 MT	210 MT	2,825,197 Nos
		2004-05	240 MT	210 MT	7,450,285 Nos
		2005-06	240 MT	210 MT	6,666,265 Nos
2	Machine tool business including accessories	2003-04	200 Nos	75 Nos	71 Nos
		2004-05	200 Nos	125 Nos	114 Nos
		2005-06	200 Nos	125 Nos	105 Nos
Jigs & Fixtures	2003-04	Rs. 100 Lakhs	Rs. 600 Lakhs	Rs. 576.22 Lakhs	
	2004-05	Rs. 100 Lakhs	Rs. 600 Lakhs	Rs. 702.45 Lakhs	
	2005-06	Rs. 100 Lakhs	Rs. 600 Lakhs	Rs. 501.78 Lakhs	
3	Carrier bodies for metal working products	2003-04	-NA-	-NA-	-NA-
		2004-05	-NA-	-NA-	-NA-
		2005-06	-NA-	-NA-	-NA-

46. KETKI DIES & TOOLS PVT. LTD.

COMPANY INFORMATION:

Name of the organization: Ketki Dies & Tools Pvt. Ltd.

Address of the Corporate office : Gala No. B / 4, Pavana Indl. Estate, T-204, MIDC, Bhosari, Pune 411 026

Phone/Fax/E-Mail: (020) 66116618, 30689810. ketki_industries@vsnl.net

Address of the Unit: Ketki Dies & Tools Pvt. Ltd.
Gala No. B / 4, Pavana Indl. Estate, T-204, MIDC, Bhosari, Pune 411 026

Phone/Fax/E-Mail: (020) 66116618, 30689810

Contact Person's Details:
Prashant V. Bargaje 937101336
Vaibhav R. Deodhare 9325377613
Mahadev G. Kature 9371013335

Ketki Dies & Tools Pvt. Ltd.

ESTD. 1998

PRODUCTS & SERVICES :

- Manufacturing Press Tools,
- Die Moulds, Pressure
- Die Casting,
- Precision Tool Room works,
- Jig Boring,
- CNC Milling,
- CNC Wire Cut job works

APPLICATION AREAS (with full details of products) :

- Plastic Products: Manufacturing plastic moulds
- Electronics:
- Automobile: Manufacturing press parts & press tools
- Auto Ancillary:
- Electrical Instrumentation:
- Telecommunication:
- Medical Equipment:
- White Goods Industry:
- Intelligent Toys:
- Any Others (Pl. give details):
Manufacturing Dies for **confectioneries**

MAJOR CUSTOMERS

- JCB Manufacturing Limited
- Walchandnagar Industries Ltd.
- Lumax Industries Ltd.
- Poona Shims Pvt. Ltd.
- Chef Set House Wears Pvt. Ltd.
- Endurance Trans System (I) Pvt. Ltd.
- Automotive Stampings Assly Ltd.
- Rishi Laser Cutting Ltd.
- Mahindra Ugine Steel Co Ltd.

MANUFACTURING FACILITIES

- Manufacturing Press Tools
- Die Mould Press Parts
- Precision Press Tools
- Precision Tool Room work
- Pressure Die Casting

FINANCIAL

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	2.5	-
2004-05	4.15	-
2005-06	6.25	-

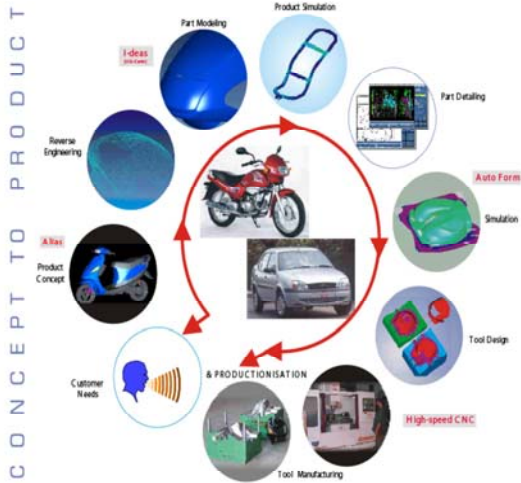
INFRASTRUCTURE including MAJOR MACHINERIES

- BFW Vertical Machining Centre
- Electronica CNC Wire Cut F1 series
- SIP Jig Boring
- WMW Jig Borig

R & D EXPENDITURE & FACILITIES

Year	2003-04	2004-05	2005-06
Expenditure (Rs. Crores)	0.15	0.57	0.65

47. KINETIC ENGINEERING LIMITED



Kinetic Engineering Limited

Products and Services

Auto Part
 Product Concept
 Reverse Engineering
 Part Modelling
 Product Simulation
 Part Detailing
 Simulation
 Tool Design
 High Speed CNC
 Tool Manufacturing

Tool Design
 Designing of Plastic Moulds, PDC Dies, Press Tools & Jigs, Fixtures & Gauges for various components using AUTO CAD & IDEAS.
 Sheet metal formability analysis using AUTOFORM.
 PDC die gate design & validation using Die Office.

Tool Manufacturing
 High speed machining capabilities to achieve the following:
 Plastic Mould/PDC dies, Skin Panel Moulds
 Press Tools
 Complicated Draw dies for skin panel for sheet metal parts. High speed progressive dies for high production requirement. Jigs, Fixtures & Gauges, Chassis welding fixture, Checking gauges & Low cost automation fixture.
 Pre-production Toolings Soft toolings for sheet metal components. Soft toolings for plastic components.

Kinetic Engineering Limited is one stop shop for tooling solutions. Company is engaged in CAD/CAE/CAM, Tool Design, Press Tool, Aluminium Dies, Casting Dies, Plastic & Rubber Moulds, Jigs & Fixtures, Manufacturing, Reverse Engineering, and Process Engineering.

Applications

Automobile
 Fast Moving Consumer Goods
 Electrical & Electronics
 Other need based Industry
 Machine tools

Installed Capacity

48 dies per annum of 2000 x 1000 mm size
 Facilities to manufacture tool size upto 3 x 1.5 mtr

Strengths of Organisation

Vast research and development experience
 Indigenously designed and developed complex products
 Expertise in full life cycle of product development
 Well-established "Engineering Center" equipped with latest CAD/CAM/CAE tools.
 Can move up the value chain to provide greater complexity services for design & manufacturing needs.

Major Customers

Mahindra & Mahindra
 General Motors- USA
 International Tractors Ltd.
 Force motors Ltd.
 Tata Motors
 Eicher Motors
 Hindustan Aeronautics Ltd.
 KMCL



Infrastructure

Manufacturing unit is located in Chinchwad, Pune.
 Kinetic Engineers Limited (Tool Room division) employs 52 Technical Manpower.

Design Facilities

Software

IDEA 9.0 & M10
 PRO ENGR
 ALLIES
 CATIA V4 & V5
 LS DYNA
 Think Design

AUTOFORM 3.1
 TEBIS 3.1 R11
 AUTOCAD 2000
 Unigraphics IUGNX & UG18
 Hypermesh
 KEM Surf

DIE OFFICE
 IMAGEWARE 9.10
 Pro E 2001
 ANSYS 8.0
 ALIAS

Application

3D Solid Surface Modelling & 2D Drafting
 3D Parametric Solid Modelling
 Freeform Styling Software
 3D Surface modelling & Solid Modelling
 CAE Simulation
 Reverse Engineering

Sheet Metal Simulation
 CNC Tool Path Generation
 2D Drafting Software
 Styling Software
 CAE Simulation
 Surfacing

PDC Die Gate Design Software
 Reverse Engineering
 Parametric Solid Modelling
 CAE simulation
 JF IG Design Software

Manufacturing Facilities

Major Machinery

CNC Copy Milling Machines
 CNC Machining Centers (H)
 Jig Boring Machines
 CNC machining Centers (V)
 Coordinate Measuring Machines

EDM Machines
 Copy Milling Machines
 Wire EDM Machines
 CNC Tool & Cutter Grinding Machines



Profile Projector

Vertical Height
 Measuring Pin Set
 Square Master Cylinder

Comparator Stand
 Slip Gauge Box
 Surface Roughness Tester

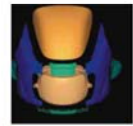
Other measuring & testing equipments

INNOVATION

Financials

Tool room was established in 1980 as a captive tool room and commercialised in 2005.

Year	Turnover (USD)	R&D (USD)
2004-2005	993618	212766
2005-2006	1089362	



Exports

Soft Tools are exported to USA for General Motors.

Export Potential

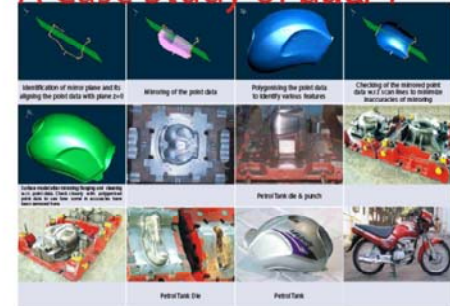
Asia Europe

Technology Arrangement

Joint Venture
 Marketing
 Manufacturing Licence



A Case Study of Bank 1 T



48. KOWSKI TOOLINGS

<p>COMPANY INFORMATION:</p> <p>Name of the organization: KOWSKI TOOLINGS</p> <p>Address of the Corporate office / HQ : 5p-30, IIIrd Main Road, ambattur Industrial Estate, Chennai - 600058</p> <p>Phone/Fax/E-Mail: 26259577 / 26243345/ kowski@vsnl.net</p> <p>Contact Person's Details: Mr. R. MOHANADOSS - PROPRIETORS Mr. K.S. Sambasivam - Manager</p>	<div style="text-align: right;"> <p>KOWSKI TOOLINGS</p> <p>Date of Commercial Production 2000</p> </div> <p>ESTD. 2000 ISO 9001-2000</p> <p>APPLICATION AREAS (with full details of products) :</p> <p>Plastic Products:</p> <p>Electronics:</p> <p>Automobile: Automobile components (M/s. S.S./ALUMINIUM PRODUCTS)</p> <p>Auto Ancillary:</p> <p>Electrical Instrumentation:</p> <p>Telecommunication:</p> <p>Medical Equipment:</p> <p>White Goods Industry:</p> <p>Intelligent Toys:</p> <p>Any Others (Pl. give details):</p>
<p>PRODUCTS & SERVICES :</p> <p>Manufacture of Press Tools & Press Components</p>	

<p>ACHIEVEMENTS / MAJOR STRENGTHS</p> <ul style="list-style-type: none"> - yearly increase in Turnover 25 lakhs - New components order - Experienced personnel's - Own building with separate Tool Room/work shop/ Inspection area - Vast experience in manufacture of tools <p>INSTALLED CAPACITY</p> <p>Capacity utilized = 60%</p> <p>Spare capacity = 40%</p> <p>MAJOR CUSTOMERS</p> <p>M/S. VISTEON AUTOMOTIVE SYSTEMS INDIA PVT. LTD. TIDC INDIA SUNDARAM FASTERNERS LTD AZTEC AUTO LTD HABONIUM VAAS AUTOMATION LTD.</p>	<p>INFRASTRUCTURE including MAJOR MACHINERIES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>HYDRAULIC POWER PRESS 300 TONS & 100TONS</td><td>2NOS</td></tr> <tr><td>MECHANICAL POWER PRESS 125/SO(SWS)/30/20</td><td>8NOS</td></tr> <tr><td>SURFACE GRINDING MACHINE</td><td>4NOS</td></tr> <tr><td>LEVELLING MACHINE</td><td>1NOS</td></tr> <tr><td>POWER PRESS 150TONS</td><td>1NO.\</td></tr> <tr><td>CEUTNE LATHE</td><td>1NO.</td></tr> <tr><td>JIG BORING MACHING</td><td>1NO.</td></tr> <tr><td>DRILLING MACHINE 1 ½</td><td>1NO.</td></tr> </table> <p>MANUFACTURING FACILITIES</p> <ul style="list-style-type: none"> - OWN BUILDING WITH BUILT UP AREA OF 7500 SQFT WITH 120H.P. - A SEPARATE TOOL ROOM/PRESS SHOP/INSPECTIO AREA - QUALIFIED PERSONNELS <p>FINANCIAL</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Year</th> <th>Turnover (Rs. Crores)</th> <th>Exports (Rs. Crores)</th> </tr> </thead> <tbody> <tr><td>2003-04</td><td>54.44 LAKHS</td><td>-</td></tr> <tr><td>2004-05</td><td>79.80 LAKHS</td><td>-</td></tr> <tr><td>2005-06</td><td>100.12LAKHS</td><td>-</td></tr> </tbody> </table> <p>R & D EXPENDITURE & FACILITIES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Year</th> <th>2003-04</th> <th>2004-05</th> <th>2005-06</th> </tr> </thead> <tbody> <tr> <td>Expenditure (Rs. Crores)</td> <td>1.00 LAKHS</td> <td>2.00 LAKHS</td> <td>2.5 LAKHS</td> </tr> </tbody> </table> <p>EXPORT(S) & FUTURE POTENTIAL</p> <p>PLANNING TO EXPORT IN THE NEAR FUTURE</p>	HYDRAULIC POWER PRESS 300 TONS & 100TONS	2NOS	MECHANICAL POWER PRESS 125/SO(SWS)/30/20	8NOS	SURFACE GRINDING MACHINE	4NOS	LEVELLING MACHINE	1NOS	POWER PRESS 150TONS	1NO.\	CEUTNE LATHE	1NO.	JIG BORING MACHING	1NO.	DRILLING MACHINE 1 ½	1NO.	Year	Turnover (Rs. Crores)	Exports (Rs. Crores)	2003-04	54.44 LAKHS	-	2004-05	79.80 LAKHS	-	2005-06	100.12LAKHS	-	Year	2003-04	2004-05	2005-06	Expenditure (Rs. Crores)	1.00 LAKHS	2.00 LAKHS	2.5 LAKHS	
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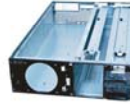
49. LAKSHMI DESIGNERS



ESTD. 1997

**LAKSHMI
DESIGNERS**

Date of
Commercial Production
2007



COMPANY INFORMATION:

Name of the organization: LAKSHMI DESIGNERS

Address of the Corporate office / HQ: B-19 ITI IND ESTATE
MAHADEVAPURA, BANGALORE-560048

Phone/Fax/E-Mail: 91 80 28510173 ,41158737,41157512
FAX 91 80 28513869 knswamy@ldmoulds.com

Contact Person's Details: K.NARAYANASWAMY (Managing director)

PRODUCTS & SERVICES :

Injection moulds,
press tools,
injection moulded parts
and sub assemblies.



APPLICATION AREAS (with full details of products) :

Plastic Products: Electronic and Electrical connectors, enclosures for telephones and plastic ancillaries for automobiles.

Electronics: Enclosures, connectors

Automobile: Plastic ancillaries for two wheelers & four wheelers

Auto Ancillary: Same as above

Electrical Instrumentation: Energy Meter enclosures

Telecommunication: Telephone enclosures & mobile moulds

Medical Equipment : Blood bag parts and surgical parts

White Goods Industry: Refrigerators & washing machine parts

Intelligent Toys: We can do, but not done till now.

Any Others (Pl. give details):

ACHIEVEMENTS / MAJOR STRENGTHS

We build the moulds in very less time with good accuracy & quality since we use 3D modeling at all the stages



INSTALLED CAPACITY

8-10 moulds per month



MAJOR CUSTOMERS

Molex, Tyco, HP, Penpol, 3M and GE



INFRASTRUCTURE including MAJOR MACHINERIES

All types of conventional machines including CNC DECKEL MAHO milling SODICK wire cut & CNC EDM machines.



FINANCIAL

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	1.10	
2004-05	2.10	
2005-06	3.0	0.3

EXPORT(S) & FUTURE POTENTIAL

We are exploring



50. MAHINDRA & MAHINDRA LIMITED

COMPANY INFORMATION:

Name of the organization: Mahindra & Mahindra Limited

Address of the Corporate office / HQ: Automotive Sector,
Mahindra & Mahindra Ltd., Mahindra Tower, Worli, Mumbai.

Name & Designations of key persons: CMD / MD / GM / Directors etc.
Rajan Wadhera Vice President Order Management Automotive Sector

Address of the Unit: Plant 2, 80, M.I.D.C. Satpur, Nashik 422 007.

Phone/Fax/E-Mail:
Phone : 0091 253 2357349, 2361056. Fax : 0091 253 2353320.

Contact Person's Name/Designation/ Phone/ Fax / E-Mail:
Pradip Deshmukh, Rajendra Kshirsagar
Head Die Shop Operations Manager Business Development
deshmukh.pradip@mahindra.com

Whether a part of a group or division of a company (provide name):
Part of Mahindra & Mahindra Ltd.

Mahindra & Mahindra
Limited

ESTD. 1981

PRODUCTS & SERVICES :

Tool Manufacturer
Designer
Exporter
User

APPLICATION AREAS (with full details of products) :

Plastic Products:
Electronics:-
Automobile:-
Auto Ancillary:
Electrical Instrumentation:
Telecommunication:-
Medical Equipment:-
White Goods Industry:-
Intelligent Toys:-
Any Others (Pl. give details):-

Production and Sales:

Years	Capacity Utilization (%)	Total Sales Rs. Lakhs	Exports Rs. Lakhs
2004 - 05	92%	Rs.2886 Lacs	Nil <small>(Exported worth 3.8 Crs Dies in F-96)</small>
2003 - 04	74%	Rs. 1366 Lacs	Nil
2002 - 03	77%	Rs. 1037 Lacs	Nil
2001 - 02	70%	Rs. 1177 Lacs	Nil

Note: Above sales figures includes captive consumption also.

PLANT AND MACHINERY

Total investment in Tool Room, Please give details on Capital Cost Structure of your unit (Rs. lakhs)

Cost Element	1994-95	1999-00	2004-05
Land & Building	NA	Cost Rs.913 Lacs	Cost Rs.1044 Lacs
		WDV Rs.769 Lacs	WDV Rs.758 Lacs
Plant & Machinery	NA	Cost Rs.6109 Lacs	Cost Rs.6165 Lacs
		WDV Rs.3920 Lacs	WDV Rs.1524 Lacs
Other Fixed Assets	NA	Cost Rs.86 Lacs	Cost Rs.28 Lacs
		WDV Rs.19 Lacs	WDV Rs.63 Lacs
Source of Working Capital			
Institutional sources	NA	NIL	NIL
Others	NA	Internal Sources	Internal Sources
Total Cost	NA	Cost Rs.7108 Lacs	Cost Rs.7237 Lacs
		WDV Rs.4752 Lacs	WDV Rs.2301 Lacs

BUSINESS FIGURES AND RATIOS 2004-05

Turnover(Sales) / Total Number of Employees	Rs.16.98 Lacs per employee
Value Added / Total Number of Employees	Rs.7.24 Lacs per employee
Total Operating Performance / Total Number of Employees	Rs.15.49 Lacs per employee
Turnover (Sales) / Total Number of Hours Worked	Rs.763/- per hour
Value Added / Total Number of Hours Worked	Rs.392/- per hour
Total Operating Performance / Total Number of Hours Worked	Rs.696/- per hour
Standard Parts for Tools(Purchased from outside) / Turnover (Sales)	NA %
Value of Sub-Contract Work / Turnover (Sales)	3-5%
Material Expenses / Turnover (Sales)	42%
Personnel / Turnover (Sales)	15 %
Operating Profit / Turnover (Sales)	26 %
EBUTDATurnvoer (Sales) / Turnover (Sales)	26 %
Investment in Machinery & Equipment / Turnover (Sales)	2.14 Times
Liquidity Ratio	1 : 2.33
Sub-Contracting:	
Pre-machining of casting in some cases and for Cast Inserts	
Thermocole Pattern construction	
Panel Checking Fixtures	
Pollution Control:	
Domestic effluents (Canteen waste water/Toilate water)	
Industrial effluents (Coolent)	
Hardous waste used oils, waste oil, oil soaked cloths, used batteris, coolent slug etc.	

51. MASTERCRAFT ENGINEERS PVT

COMPANY INFORMATION:

Name of the organization: MASTERCRAFT ENGINEERS PVT

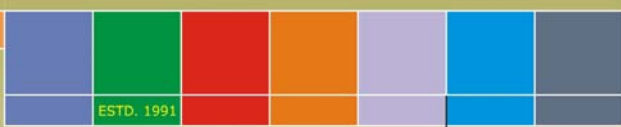
Address of the Corporate office / HQ: No.153, Tea Estate Compound
Race Course, COIMBATORE-641 018

Phone/Fax/E-Mail:

Address of the Unit : No.24,25 & 26,2nd cross
SSI Area, 5th Block Rajajinagar, BANGALORE-560 010

Phone/Fax/E-Mail: 080-23304863/23381555

Contact Person's Details: R.SREEPRAKASH



MASTERCRAFT ENGINEERS PVT

Date of Commercial Production
1991

PRODUCTS & SERVICES :
 -PLASTIC INJECTION MOULDS
 -PLASTIC INJECTION MOULDED COMPONENTS

**APPLICATION AREAS
(with full details of products) :**

 Automobile

 Electrical

 Telecommunication

 Packaging

 Medical

ACHIEVEMENTS / MAJOR STRENGTHS

Precision injection Mould Manufacturing
Precision Injection molded components.

INSTALLED CAPACITY

300 moulds per year.

MAJOR CUSTOMERS

TATA AUTOCOMP SYSTEMS LTD
INDIA JAPAN LIGHTING LTD
TG KIRLOS KAR AUTOMOTIVE LTD
ADC KRONE COMMUNICATION LTD
PRICOL LTD
ESPIEM PLASTICS LTD

INFRASTRUCTURE including MAJOR MACHINERIES

Name of the suppliers Model	Description	
Mitsubishi	EDM	EX8
Makino S56	CNC Milling	makino FX650,
Makino Edge 2-A4	EDM	Makino Spark

Makino	CNC Milling	Makino S33L
Okomoto 64DX	Surface Grinding	Okomoto ACC
Mitsubishi m/c	EDM	EA 22 ME
Mitsubishi m/c	EDM	EA8M
Engel Austria	Moulding	45,110 150
CHMER	EDM	CM1265
Craftman	Surface Grinding	SG3060
Sthal	Crane	L5/10 Ton
Yeslaser corporation		Welding machine TIG
Erowa	TOOL HOLDERSSET	

FINANCIAL

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	Rs.515.00	Rs.197.01
2004-05	Rs.485.00	Rs.67.38
2005-06	Rs.431.00	Rs.210.15

R & D EXPENDITURE & FACILITIES

Year Expenditure (Rs. Crores)	2003-04	2004-05	2005-06
	Rs.0.35 lacs	-	-

52. METAL CRAFT INDUSTRIES

<p>COMPANY INFORMATION:</p> <p>Name of the organization: Metal Craft Industries</p> <p>Address of the Corporate office / HQ: PIP Co-op Society Ltd., Plot No. T-204, MIDC Area, Gala No. A-33-GF, Bhosari, Pune 411 026</p> <p>Phone/Fax/E-Mail: (020) 30680581, 30680572, metalthreed@ricmail.com</p> <p>Address of the Unit: - AS ABOVE -</p> <p>Phone/Fax/E-Mail: - AS ABOVE -</p> <p>Contact Person's Details: SV Bhat, SG Khanolkar - Partners</p>		<p>ESTD. 1998</p> <p>Date & Nature of Commercial Production 1998</p> <p>Metal Craft Industries</p> <p>APPLICATION AREAS (with full details of products) :</p> <p>Plastic Products:</p> <p>Electronics:</p> <p>Automobile: Cylinder Blocks, Heads, Gravity Die Casting Equip</p> <p>Auto Ancillary: Yes</p> <p>Electrical Instrumentation:</p> <p>Telecommunication:</p> <p>Medical Equipment:</p> <p>White Goods Industry:</p> <p>Intelligent Toys:</p> <p>Any Others (Pl. give details):</p>
<p>PRODUCTS & SERVICES :</p> <p>Foundry Pattern Equipments & Gravity Die Castings / Machines</p>		

<p>ACHIEVEMENTS / MAJOR STRENGTHS</p> <p>CNC Machining Facilities, Good Design Office</p>	<p>INFRASTRUCTURE including MAJOR MACHINERIES</p> <p>CNC VMC</p>												
<p>INSTALLED CAPACITY</p> <p>Equipment worth 2 cylinder block / month</p>	<p>FINANCIAL</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Turnover (Rs. Crores)</th> <th>Exports (Rs. Crores)</th> </tr> </thead> <tbody> <tr> <td>2003-04</td> <td>1.2</td> <td>-</td> </tr> <tr> <td>2004-05</td> <td>1.3</td> <td>-</td> </tr> <tr> <td>2005-06</td> <td>2.7</td> <td>-</td> </tr> </tbody> </table>	Year	Turnover (Rs. Crores)	Exports (Rs. Crores)	2003-04	1.2	-	2004-05	1.3	-	2005-06	2.7	-
Year	Turnover (Rs. Crores)	Exports (Rs. Crores)											
2003-04	1.2	-											
2004-05	1.3	-											
2005-06	2.7	-											
<p>MAJOR CUSTOMERS</p> <p>Tata Motors</p> <p>Mahindra & Mahindra Limited</p> <p>Kirloskar Ferrous Industries</p> <p>Kirloskar Oil Engines Ltd.</p> <p>Kirloskar Brothers Ltd.</p> <p>Ghatge Patil Industries</p> <p>Eicher Motors</p>	<p>R & D EXPENDITURE & FACILITIES</p> <table border="1"> <thead> <tr> <th>Year</th> <th>2003-04</th> <th>2004-05</th> <th>2005-06</th> </tr> </thead> <tbody> <tr> <td>Expenditure (Rs. Crores)</td> <td>0.10</td> <td>0.15</td> <td>0.20</td> </tr> </tbody> </table>	Year	2003-04	2004-05	2005-06	Expenditure (Rs. Crores)	0.10	0.15	0.20				
Year	2003-04	2004-05	2005-06										
Expenditure (Rs. Crores)	0.10	0.15	0.20										

CRITICAL COMPONENTS & DIES OF OEMs HEAT TREATED AT... METALS INDIA




- General Motors
- Plaggio
- Hero Honda Motors
- Honda Scooter
- Honda Slet
- Yamaha Motors
- Amtek Auto
- JCB
- Eicher Tractors
- Hindustan Motors





METALS - INDIA
A HEAT TREATMENT UNIT

Works: Plot No: 128, 130 & 139
Sector 25, Ballabhgarh 121 004,
Faridabad (Haryana) INDIA
Mobile: +91 9810029116
Phone: 0129-2230828, 29.30
0129-4060828, 29.30
Fax: 0129-2232027
E-Mail: Info@metalsindia.com
Website: www.metalsindia.com



Pioneers in Heat Treatment Technology



The one and only fully equipped largest commercial heat treatment unit in India for ferrous, non-ferrous metals and automobile components

FACILITIES

VACUUM FURNACE with ISO Thermal Quench Facility

Quench Pressure: Upto 12 bar for Uniform Quenching
Load Size: 24"W x 36"D x 24"H
Gross Load Weight: 680 Kg
Operating Temperature: 550°C to 1315°C
Temperature Uniformity: ±5°C
Convection Heating: 2 Bar
Vacuum Level: 5 x 10⁻⁵ Torr (0.05 microns)
Applications: Stainless Steel, Tool Steel, Hot Die Steel & High Speed Steel

(ABAR IPSEN USA)

SEALED QUENCH FURNACE

Load Size: 30"W x 48"D x 24"H
Gross Load Weight: 600 Kg
Atmosphere: Supercarb (Air + LPG)
Operating Temperature: 750 °C - 1020 °C
Temperature Uniformity: ±5°C

(WESMAN IPSEN)

GAS NITRIDING / NITEMPERING / NITROCARBURIZING FURNACE

Load Size: 30"W x 48"D x 24"H
Gross Load Weight: 600 Kg
Atmosphere: N₂ + NH₃ + LPG
Operating Temperature: Upto 750°C
Temperature Uniformity: ±5°C

(WESMAN IPSEN)

Supporting Heat Treatment Facilities

- ▶ Oil Fired Continuous Furnaces (BOFCO Make)
- ▶ Ultrasonic Cleaning Machine
- ▶ Nitrogen Generator
- ▶ Reverse Osmosis Plant
- ▶ Preheating / Tempering Furnaces
- ▶ Table Type Double Door Shot Blasting Machine
- ▶ Diesel Generator for Power Back Up

PROCESSES

- ▶ Vacuum Hardening
- ▶ Vacuum Carburizing
- ▶ Gas Nitriding
- ▶ Nitro-Carburizing
- ▶ Isothermal Annealing
- ▶ Solution Annealing
- ▶ Normalizing
- ▶ Hardening & Tempering
- ▶ Vacuum Carbonitriding
- ▶ Vacuum Brazing
- ▶ Carbo-Nitriding
- ▶ Gas Carburizing
- ▶ Stress Relieving
- ▶ Annealing
- ▶ Heat treatment of Dies and Hot Die Steels
- ▶ Heat Treatment in INERT Atmosphere

COMPANY PROFILE

METALS INDIA is a professionally managed organization allied with high level of industry expertise in heat treatment processes. METALS INDIA currently has three commercial heat treatment facilities in the industrial hub of Haryana, India. The company was established in 1979 with a small heat treatment shop which has now grown in strength and brand and has become the largest fully equipped heat treatment plant in India processing approximately 1000 tons of material a month.

We have recently increased our capacity by installing the Vacuum Furnace (Ipsen US make) with Isothermal Quench facility with 12 bar quench pressure. This furnace is the first of its kind in India with the latest Ipsen patented technologies AvaC™ (acetylene vacuum carburizing) and AvaC-N™ (vacuum carbo nitriding) capabilities.

Proven commitments to innovation in heat treatment technologies, excellence in quality and customer satisfaction for years has earned us an ISO 9001:2000 certification. We are equipped with state-of-the-art testing equipment and technical staff to provide customers with a broad range of experience in heat treatment process development for numerous components and parts.

METALS INDIA has acquired an enviable position in the Indian industry in the last twenty-five years as a commercial heat treatment unit throughout India supporting Automotive, Tool & Die, Exports, Railway, Aerospace, Defence, Surgical, Plastic and general Engineering industries. It is our desire to be a supplier of choice for our customers in the area of heat treatment, surface treatment and related processes. Our unique combination of latest technology and experience has put our company in a leadership position in Northern India, with significant contributions in other parts of the country. We take pride in saying Metals India is an all inclusive source for "QUALITY HEAT TREATMENT".

QUALITY ASSURANCE

Our commitment to Quality is uncompromising. We have a team of qualified engineers in our quality control department armed with the most sophisticated quality control devices to keep a Hawk's eye at every stage of the process.

Quality Control & Testing Facilities

- ▶ Carl zeiss Computerised Image Analyser
- ▶ Computerised Micro Vickers Hardness Tester
- ▶ Kraukramer-Portable Hardness Tester
- ▶ Wilson Wolpart-Portable Hardness Tester
- ▶ Rockwell cum superficial Hardness Testers
- ▶ Brinell Hardness Testers
- ▶ Vickers Hardness Testers

54. MINDA HUF LIMITED

COMPANY INFORMATION:

Name of the organization: Minda Huf Limited

Address of the Corporate office / HQ: # D-6-11, Sector 59, Noida-201301
Distt. Gautam Budh Nagar, Uttar Pradesh, India

Phone/Fax/E-Mail: +91-120- 2580249,50,52 / +91-120-2580247
info@mindahuf.com

Address of the Unit: # D-6-11, Sector 59, Noida-201301
Distt. Gautam Budh Nagar, Uttar Pradesh, India

Phone/Fax/E-Mail: +91-120- 2580249,50,52 / +91-120-2580247

Contact Person's Details: Mr. J.K.Tomar, jktomar@mindahuf.com
Mobile No. - +91-9871127018



ESTD. 1989

Minda Huf
Limited

Date & Nature of
Commercial Production
1998

PRODUCTS & SERVICES :

Design & Development of
Dies & Moulds for Automotive
Industry for following applications

APPLICATION AREAS (with full details of products) :

Automobile: Electronic & Mechanical Lock Systems, Immobilizers, Latches, External & Internal Door Handles for Automotive Industry
*Key Systems, *Locksets / Key Sets, *Inside / Outside Door Handles, *Bracket Sub Assy, *Glove Box Latches, *Steering Column Locks, *Freewheeling Systems, *Remote Control Systems (Radio Frequency/Infra Red), *Immobiliser, *Electronic Ignition /Steering Column Lock, *Keyless Entry System

Die Casted Parts - Steering Lock Body, Fuel Tank Cap Body, Seat Lock Body, Bracket Latch Bearing, Stators, Rotors, Cam, Counter weight, Shutter

Plastic Parts - Door Handles, Lever Handles, Housings for Electrical assembly, Bobbins, Housing for Gear Lock Box, Keys.



ACHIEVEMENTS / MAJOR STRENGTHS

Achieving minimum 85% ok dims. in first trial again Component spec.
100% Tools become ok in max. 2 trials.
We are making 100% Poka-yoke tools.
Our Goal is -

BE STANDARD - BUY STANDARD
THINK
MODULAR
COMPACT
SIMPLE
POKA-YOKE
USER-FRIENDLY

✓ Recent Awards & Recognition



INSTALLED CAPACITY

♦Capacity of developing 10-12 different type of Tools per month, like- Die casting, Injection Mould, Press Tools.
♦Capacity of developing
Die casting Tools - 30T to 250T
Injection Moulds- 50T to 250T
Press Tools- 20T to 100T (High Speed)

MAJOR CUSTOMERS

Domestic Customers :
4-Wheeler : Ford India, Genral Motors Maruti Suzuki, Tata Motors, Mahindra & Mahindra, Fiat India
2-Wheeler : Bajaj Auto, Yamaha Motors, TVS Motors, Honda Scooters, Kinetic Engineering, LML
Commercial / Off-Road : Ashok Leyland, Eicher Motors, JCB India
International Cutomers :
4-Wheeler : Ford-South Africa, Daimler Chrysler, Daewoo - Uz, Cherry Motors,
2-Wheeler: Piaggio, DaimAprilia, Triumph, Suzuki, Derby, Peugeot

INFRASTRUCTURE including MAJOR MACHINERIES

- Pro-E Software for Mould design - 4 Seats
- Pro-E Software for Manufacturing - 1 Seat
- CNC Milling (Deckel Maho & Haas) - 2 No.
- CNC Wire EDM (AGIE & Charmilles) - 2 No.
- Spark Erosion Machine - 5 No.
- EDM Hole Drilling M/c - 1 No.
- Other Conventional M/cs



MANUFACTURING FACILITIES

We are having following machines-
➤ Die casting m/c (hot chamber)- 30T to 250T
➤ Die casting m/c (cold chamber)- 150T
➤ Injection Moulding m/c- 150T to 250T
➤ Power press- 20T to 60T
➤ Key Profile Milling m/c
➤ CNC Key Biting m/c
➤ Four track key Biting m/c

FINANCIAL

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	110.77	12.28
2004-05	167.86	22.77
2005-06	198.66	22.27
2006-07	187.7	18.1

R & D EXPENDITURE & FACILITIES

Year	2003-04	2004-05	2005-06	2006-07
Expenditure (Rs. Crores)	2.27	2.16	2.46	2.08

EXPORT(S) & FUTURE POTENTIAL

Apart from the Current Product Range Company is presently focusing on Latches, Passive Entry System, Immobilizer and Subassemblies. We are also providing Mechatronic Solutions by integrating Mechanical Products with the Electronics.

Geographically we have high focus on USA, Europe and Asian markets.

We are also trying hard to tap the Huge Global Sourcing Opportunities by making Dedicated team of Experts for each Project.

55. MOTOR INDUSTRIES CO. LTD.

COMPANY INFORMATION:

Name of the organization: Motor Industries Co. Ltd.

Address of the Corporate office / HQ: P.B. NO. 3000, HOSUR ROAD, ADUGODI, BANGALORE 560 030

Phone/Fax/E-Mail: +91 80 2299 6148 / +91 2299 2724 / spm_marketing@in.bosch.com

Address of the Unit: P.B. NO. 3000, HOSUR ROAD, ADUGODI, BANGALORE 560 030

Phone/Fax/E-Mail: +91 80 2299 6148 / +91 2299 2724 / spm_marketing@in.bosch.com

Contact Person's Details:
 J.C. RAVISHANKAR Deputy Manager - Marketing
 R.Srinivasan Manager Design & development of Tools, Jigs & Fixtures and gauges

ESTD. 1954

Motor Industries
Co. Ltd.

Date of
Commercial Production
1954

PRODUCTS & SERVICES :

INSPECTION GAUGES
 FIXTURES
 SPECIAL TOOLS



APPLICATION AREAS (with full details of products) :

Plastic Products: - NIL

Electronics:- NIL -

Automobile: YES. GAUGES, FIXTURES AND TOOLS

Auto Ancillary: YES. GAUGES, FIXTURES AND TOOLS

Electrical Instrumentation: - NIL

Telecommunication: - NIL -

Telecommunication: - NIL -

Medical Equipment: - NIL -

White Goods Industry: - NIL -

ntelligent Toys: -NIL-

Any Others (Pl. give details): - NIL -

ACHIEVEMENTS / MAJOR STRENGTHS

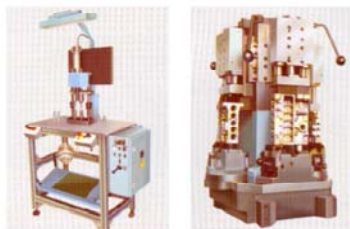
- TRAINED AND SKILLED MANPOWER
- WELL ESTABLISHED INFRASTRUCTURE FOR MANUFACTURING AND QUALITY ASSURANCE

INSTALLED CAPACITY

130 Million INR.

MAJOR CUSTOMERS

Captive (Mico and includes other Bosch plants)
 Hero Honda Motors Limited
 Honda Motorcycle and Scooter India Pvt. Limited
 Kirloskar Oil Engines Limited



INFRASTRUCTURE including MAJOR MACHINERIES

5 axis CNC Jig grinding machine
 Thread grinding machine
 Micron CNC machine
 Reinecker CNC T&C grinder
 Studer fine grinding machine

MANUFACTURING FACILITIES

SAME AS SL.NO.7

FINANCIAL

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	12.5	0.2
2004-05	14.3	0.3
2005-06	13.9	0.2



56. M – TECH INDUSTRIES



COMPANY INFORMATION:

Name of the organization: M/s. M-TECH INDUSTRIES
 Address of the Corporate Office / HQ: M-tech House .
 Diamond Industrial Estate, Walive, Off. Mumbai Ahmedabad Highway ,
 Vasai (E) 401 208. Maharashtra . Mumbai . India.

Phone: +91-0250-2480545, 2480936 / 7 . Fax : +91-0250-2480631.
 E-mail : jshetty@mtech-mold.com, mtech24x7@mtech-mold.com

Address of the Operational / Factory Unit Site :
 M-tech House . Diamond Industrial Estate, Walive,
 Off. Mumbai Ahmedabad Highway , Vasai (E) 401 208.
 Maharashtra . Mumbai . India.

Phone: +91-0250-2480545, 2480936 / 7 .
 Fax : +91-0250-2480631.

E-mail : jshetty@mtech-mold.com, mtech24x7@mtech-mold.com

Contact Person's Details:
 Mr. Manoj.K.Gandhi Managing Partner.
 Mr.Jatin Shetty. Vice President- Business Development & Marketing.

M-TECH INDUSTRIES

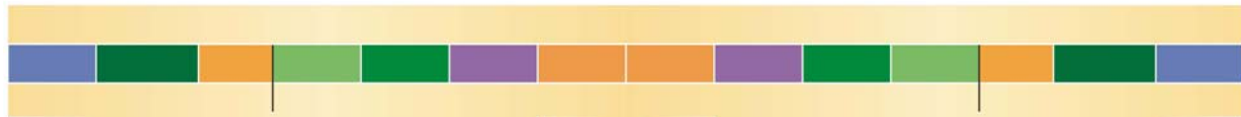
Date of Commercial Production
 1998

PRODUCTS & SERVICES :

Manufacturing of only Medium & Large Size Precision coined with Quality Efficient Injection, Hot-Runners ,Multi Cavity & Family Moulds of varying Sizes and Profiles for Automotive, Commodity / Furniture , Home Appliance / White goods and Industrial Engineering moulded engineering thermoplastic components of varying sizes & Profiles .

APPLICATION AREAS (with full details of products) :

- Plastic Products:
- Electronics:
- Automobile:
- Auto Ancillary:
- Electrical Instrumentation:
- Telecommunication:
- Medical Equipment:
- White Goods Industry:
- Intelligent Toys:
- Any Others (Pl. give details):



MANUFACTURING CAPABILITY CHART PAGE 01/01

Sl#	FACILITY / SERVICES	CAPABILITY	CAPACITY	CONSTRAINTS
1	DRAWING	DXF 0.5 - DXF 140	7,300/yr	± 0.2 mm
2	MILLING	DM1 0 - DM 250	7,200/yr	± 0.02 mm
3	TURNING	DM 0 - DM 650	7,300/yr	± 0.05 mm
4	E D M SPARKING	900mm x 600 mm	7,300/yr	± 0.05 mm
5	CHC MACHINING	DM UPTO 120 mm Tool / 2100 x 1050 x 1070 - 3000/yr	± 0.01mm	
6	GRAFFICE GRINDING	1500 x 300 x 500	7,400/yr	± 0.005mm
7	CYLINDRICAL GRINDING	DM 10 - DM 300	10,000/yr	± 0.005mm
8	DE SPOTTING	1200 x 500 mm	1,50 TONS/MAK	
9	MOLD POLISHING	UPTO 20" SQ. #1.2 & S.E.F finish		
10	MATE HANDLING (OVERHEAD CRANES)	UPTO 1000kg		
11	C.A.E. MODEL/FLW	COOLING ANALYSIS, FLOW ANALYSIS, RST ver 6, MPA ver 5.5		
12	DESIGNING AND MODELING CAD	AUTOCAD 2005, MUGO, B/S, CAD, UNIGRAPHICS SD 3		
13	COMPUTER AIDED MANUFACTURING	PROCAM, CAX, VERICUT, TESTS ver 3.1, HENKEL LOGICA ver 10		
14	HYDRAULIC PRESSURE TESTING	UPTO 30 bar		
15	Large Injection Molds (Average)	1450 x 850 x 800mm	1 per month	± 0.25mm (typical)
16	Medium Injection Molds (Average)	800 x 550 x 400mm	2 per month	± 0.15mm (typical)
17	Small Injection Molds (Average)	250 x 250 x 200mm	4 per month	± 0.10mm (typical)
18				

M-tech Mold Chronology

Sl. No.	Mold Name	Customer	Mold Size	Turnage	Turntime for 10 Samples	Year of Mfg
1	REFRIG	MPL	10A 50 X 600	300	120 Days	1998
2	TABLE TOP	VP Industries Ltd	180 X 110 X 850	1300	51 Days	2000
3	DOOR TABLE	MPL	1150 X 1100 X 715	1000	80 Days	2003
4	DOOR TOGG	HEVCHENRPLD LTD	80 X 500 X 770	800	50 Days	2007
5	DOOR CONTROL	MKK SPOCK LTD	80 X 500 X 800	400	40 Days	2007
6	REFRIG DOOR	MKK SPOCK LTD	80 X 500 X 740	400	40 Days	2007
7	INSULING COVER	MKK SPOCK LTD	80 X 500 X 970	400	40 Days	2007
8	REFRIG DOOR	MPL	80 X 600 X 740	800	50 Days	2002
9	DOOR CONTROL LEFT	MPL	400 X 700 X 615	800	50 Days	2002
10	DOOR TRAY	MPL	400 X 700 X 700	800	50 Days	2002
11	REFRIG DOOR	CHL	400 X 500 X 547	700	40 Days	2005
12	DOOR CONTROL TOP	MPL	300 X 440 X 400	300	20 Days	2004
13	DOOR CONTROL BOTTOM	MPL	150 X 440 X 400	300	20 Days	2004
14	DOOR BOTTOM	Franka Furnas Limited	770 X 500 X 710	300	40 Days	2004

M-tech'S>6 Tech's for Growth.

2004-2006 Mission -> Growth.
 Yardsticks -> "Straining, Streamlining, Standardizing, Scheduling, Stressing & Sustaining."
 We at M-tech, sincerely commit ourselves towards attaining our Mission Growth for recognition by,
STRAINING what is not required by & for,
STREAMLINING what remains with,
STANDARDIZING our Designing, Manufacturing & Timeframe resources,
SCHEDULING our Operations & Commitments,
STRESSING on the prior laid \$4 for Succeeding & Shining & Lasting.
 SUSTAINING the attained Growth Goal by Inducing "YES" / \$6 Tech's at every level within M-tech.
S6 the culturetech of M-tech 2006.
 "We will Implement & Attain said \$6 Tech's."
 "THE WAY TO ATTAIN - WILL SHOW US THE WAY TO WIN"
 For M-TECH INDUSTRIES.
JATIN SHETTY.
 Vice President Business Development & Mktg



57. NTTF INDUSTRIES LIMITED

COMPANY INFORMATION:

Name of the organization: M/s. NTTF INDUSTRIES LIMITED

Address of the Corporate office / HQ: P.O.No.5857, 23/24, Phase 2, Peenya Industrial Area, Bangalore 560 058. Karnataka State, India.

Phone/Fax/E-Mail:
 Phone: +91 80 28394840/ 28394848/28394849/ 28395151/ 28371229/ 28371230.
 Fax : +91 80 28392428

Address of the Unit :Unit 1 - Bangalore (Corporate Office)
 P.O.No.5857, 23/24, Phase 2, Peenya Industrial Area, Bangalore 560 058, Karnataka Unit II - Vellore Gandhinagar, Government Industrial Colony, Vellore 632 006 Tamilnadu, India

Phone/Fax/E-Mail: Phone:+91 80 28394840/ 28394848 - 9/28371229 30
 Fax: +91 80 28392428 Phone: +91 416 2242855/ 2242853/2242843
 Fax: +91 416 2242683

Contact Person's Details: Mr.K.S.Ramaprasad Director (Technical)
 Mr.Rohit Prakash President (Operations & Mktg)
 Mr.Anand.B Manager (Marketing)

ESTD. 1963

NTTF INDUSTRIES LIMITED

Date & Nature of Commercial Production 1964

PRODUCTS & SERVICES :

Design and Manufacture of Precision Press Tools, Injection Moulds, Compression/Transfer Moulds, Diecasting Dies, Jigs, Fixtures, Gauges, Test Equipment and Special Purpose Machines.

Manufacture of Sheet Metal pressed parts, Injection/ Compression Molded parts.

Design, Development & Manufacture of Auto Electrical items (Multifunction Combination Switches, Distribution Boards Fuse & Junction Box, Fuse & Relay Box, Hidden Switches, Panel Switches, etc.,)

Manufacture of Sub-assemblies for Consumer Durables and Electronic equipment.

Manufacture of Sophisticated Electronic assemblies for professional grade/consumer application at our Electronics Centre, which is equipped with modern facilities.

APPLICATION AREAS (with full details of products) :

- Plastic Products:
- Electronics:
- Automobile:
- Auto Ancillary:
- Electrical Instrumentation:
- Telecommunication:
- Medical Equipment:
- White Goods Industry:
- Intelligent Toys:
- Any Others (Pl. give details):



ACHIEVEMENTS / MAJOR STRENGTHS

- We are a TS 16949 Certified Company, Presently working for "Business Excellence through Total Quality Management"

- Design Support Scanning & Digitising 3 D Digitising Hardware Reinslaw Cyclone

Software: Trace Cut 4a

A dedicated machine designed specially for high speed data capture of complex 3D Forms.

Product Design Rapid Proto Typing by Sinterstation 2000, 3D Systems U.S.A.

Process Selective Laser Sintering (SLS) for rapid prototyping and rapid tooling.

Capability Can produce objects measuring 12"x15" using materials like Nylon, Composite Nylon, Polycarbonate, Investment casting wax etc.

RAPID PROTOTYPING



TOOL MANUFACTURING CAPABILITIES

Type Of Tools	Size	Max Tonnage
Press Tools	2750 x 1000	500 T
Injection Moulds	800 x 800	800 T
Comp/ Transfer Molds	600 x 500	150 T
POC Dies	1100 x 1100	650 T



FINANCIAL

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	32.8	0.08 (Germany)
2004-05	44.1	-
2005-06	40.3	-

R & D EXPENDITURE & FACILITIES

Year	2003-04	2004-05	2005-06
Expenditure (Rs. Crores)	8.97	2.8	1.09

TECHNOLOGY ARRANGEMENT / PARTNER (S)

Joint Venture with M/s.Methode Electronics, USA for Auto-Electrical Switches.

EXPORT(S) & FUTURE POTENTIAL

Depending upon the business potential, we are willing to set up plant in other locations.



59. P. H. POLYPLAST

COMPANY INFORMATION:

Name of the organization: M/S P.H.POLYPLAST

Address of the Corporate office / HQ: 101, Shanti Sadan,
Above Development Credit bank, Lokhandwala Complex, Andheri (W), Mumbai-53

Phone/Fax/E-Mail: 0250-3254040, 0250-2481633
info@phpolyplast.com www.phpolyplast.com

Address of the Unit: Plot No. 6, Near Neelima Motors,
National Highway No. 8, Sativali, Vasai (E), Thane-401208.

Phone/Fax/E-Mail: 0250-3254040

Contact Person's Details: Mr.Ateesh Modi Mob No: 9820041919
ateesh@phpolyplast.com

P. H. POLYPLAST

Date & Nature of Commercial Production 2004

APPLICATION AREAS (with full details of products) :

Plastic Products:

Electronics: Switches , Connectors & relays

Automobile: All Interior Parts, Ac Panels, Glove Box Parts,

Auto Ancillary:

Electrical Instrumentation:

Telecommunication:

Medical Equipment: Medical Transplants in steel

White Goods Industry:

Intelligent Toys:

Any Others (Pl. give details):

PRODUCTS & SERVICES :

2 D Designing & 3 D CAD modelling , Product Design , Tool Design , Plastic Injection Mould Manufacturing & Plastic Injection Moulding

ACHIEVEMENTS / MAJOR STRENGTHS

Manufacturing of moulds by using Direct Metal Laser Sintering Technology For Rapid Moulds & Dies.

Layer by layer built-up process of Metal powders.

MAJOR CUSTOMERS

Mahindra & Mahindra Ltd
Subros Ltd
NTTF Limited
Minda Industries Ltd
Metal Trim
DP & T
RGK Switches

FINANCIAL

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	-	-
2004-05	-	-
2005-06	1.2	0.1

EXPORT(S) & FUTURE POTENTIAL

In discussion with Foreign collaboration with Two companies.

LIST OF MACHINERY (ANNEXURE -1A)

Sr No	Type of Machine	MODEL	Capacity	Make	Country of Origin
1	Direct Metal Laser Sintering	EOS 250 Extra	200 x 200 x 200mm	EOS	GERMANY
2	CNC Vertical Machining Centre	VF 3VT	762 x 508 x 508mm	HASS	USA
3	EDM - Spark Erosion	Smart ZNC		EL ELECTRONICA	INDIA
4	Surface Grinding Machine		375 x 500mm	ELB - SCHAFER	GERMANY
5	Surface Grinding Machine		150 x 450mm	PRAGA	INDIA
6	Turned Milling Machine	MB 18	250 x 250mm	HOUSHEITA	JAPAN
7	Lathe	1000	Dia 200mm x 1000mm	ATLAS	INDIA
8	Profile Drilling Machine		40mm	NECA	JAPAN
9	Pipe Type Drilling Machine		40mm	Sanyogabhai	INDIA
10	Barrel Drilling Machine		40mm	TRAYGOLF	INDIA
11	Boring Machine	Progressive 200-250 G	500mm x 200mm Height	ROHMAR	CHINA/GERMANY
12	Injection Moulding M/C		100 tonnes	L & T Chennai	INDIA
13	Air Compressor	10 hp		EL GP	INDIA
14	Diesel Generating Set	88 KVA		Kidolar	INDIA
15	Ballbar	40 mm		Zeiss	GER

LIST OF MEASURING INSTRUMENTS & EQUIPMENTS (ANNEXURE -1B)

Sr No	Type of Machine	MODEL	Capacity	Make	Country of Origin	Qty.
1	Vertical Measuring System	Veeco Touch 600	600mm x 600mm	Tecon	South Korea	1 No.
2	Vertical Height Gauge		600mm x 600mm	Aerospac	China	1 No.
3	Digital Vernier Caliper Gauge	CD- F CDX	200mm x 60mm	Mitutoyo	JAPAN	3 Nos.
4	Vernier Caliper Gauge		200mm x 60mm	Mitutoyo	Japan	1 No.
5	Micrometer Screw Gauge		0-25mm x 60mm	Mitutoyo	Japan	2 Nos.
6	Micrometer Screw Gauge		25-50mm x 60mm	Mitutoyo	Japan	2 Nos.
7	Micrometer Depth Gauge		0-25mm x 60mm	Mitutoyo	Japan	1 No.
8	Vernier Depth Gauge			Mitutoyo	Japan	1 No.
9	Bevel Protractor		0-90°	Mitutoyo	Japan	1 No.
10	Slip Gauge		0.5-100mm - 15 Nos.		INDIA	
11	Pin Gauge		3.0mm - 6.0mm - 15 Nos.		INDIA	1 Set
12	Feeler Gauge		0.1-1mm		INDIA	1 Set
13	Die Indebiting Gauge - Check Type		10mm x 60mm	Mitutoyo	Japan	
14	Die Indebiting Gauge - Plunger Type		10mm x 60mm	Mitutoyo	Japan	
15	Die Indebiting Gauge - Plunger Type		10mm x 60mm	Mitutoyo	Japan	
16						
17						

60. PRECISION PUNCHES & DIES

COMPANY INFORMATION:

ESTD. 1976

Name of the organization: Precision Punches & Dies

Address of the Corporate office / HQ: 5-B,Raju Indl. Estate, Penkar Pada, RD; Po. Mira Dist. Thana-401104

Phone/Fax/E-Mail: Tel: 91-22-28456637,28455290,28454586
Fax: 91-22-28455115
Email: ejectorpin@vsnl.net , moldbase@vsnl.com

Address of the Unit: 5-B,Raju Indl. Estate, Penkar Pada, RD; Po. Mira Dist. Thana-401104

Phone/Fax/E-Mail: Tel: 91-22-28456637,28455290,28454586
Fax: 91-22-28455115
Email: ejectorpin@vsnl.net , moldbase@vsnl.com

Contact Person's Details: C.H.Balan

Precision Punches & Dies

Date & Nature of Commercial Production 1976

PRODUCTS & SERVICES :

- Mould Press ToolS,
- Accessories,
- Ejector Pins,
- Sleeve Ejector,
- Sprue Bush,
- Ball Plunger,
- Tapper Block,
- Mould Date Indicator,
- Parting Lock,
- Ball Cages,
- Angular Lifton.

APPLICATION AREAS
(with full details of products) :

Plastic Products: Our products are used in moulds for producing plastic components having wide application in plastic industry.

Electronics: Where ever plastic parts used, our products have utility in electronics industry.

Automobile: Where ever plastic parts used, our products found wide applications.

Auto Ancillary: Wide application for plastic components in this sector.

Electrical Instrumentation: Wide application for plastic components in this sector.

Telecommunication: Wide application for plastic components in this sector.

Medical Equipment: Wide application for plastic components in this sector.

White Goods Industry:Wide application for plastic components in this sector.

Intelligent Toys: Wide application for plastic components in this sector.

Any Others (Pl. give details).

ACHIEVEMENTS / MAJOR STRENGTHS

MANUFACTURING FACILITIES

Specialized Precision Machinery & Skilled Man Power.

MAJOR CUSTOMERS

- Larson & Tubro Ltd
- V.I.P Industries
- Mutual Industries Ltd
- Varrocc Engineering Ltd
- The Supreme Industries Ltd
- Tata Auto Plastic

INFRASTRUCTURE including MAJOR MACHINERIES

Sophisticated precision machines.

Equipped with sophisticated precision machines.

FINANCIAL

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	1.19	0.20
2004-05	1.64	0.30
2005-06	2.20	0.36

EXPORT(S) & FUTURE POTENTIAL

Presently have good export orders.

61. PREMAUNI TOOLS






ESTD. 1983

PREMAUNI TOOLS

Date & Nature of Commercial Production 1983

COMPANY INFORMATION:

Name of the organization: PREMAUNI TOOLS

Address of the Corporate office / HQ:
B- 4/3, M.I.D.C. Industrial Area, Mira, Dist: Thane 401104.

Phone/Fax/E-Mail: 91- 22- 28455061 / 28455573.
Email: pretools@vsnl.com , premauni@yahoo.com

Address of the Unit:
B- 4/3, M.I.D.C. Industrial Area, Mira, Dist: Thane 401104.

Phone/Fax/E-Mail: 91- 22- 28455061 / 28455573.
Email: pretools@vsnl.com , premauni@yahoo.com

Contact Person's Details: Mr. H.G. Chandarana
Mr. S.C. Panchal

PRODUCTS & SERVICES :

The company is expert in making Plastic Injection Mouldings and Moulds.

APPLICATION AREAS (with full details of products) :

Plastic Products: Home Appliance products like mixers, juicers, food processors etc.

Electronics: Knobs, piano keys, eject covers, handles, push-button, soft-touch keys for use in computers, TVs, transistors and tape decks, dials for audio systems, filter for oscilloscopes and gift items.

Automobile: Various components.

Auto Ancillary: Various components.

Electrical Instrumentation:

Telecommunication:

Medical Equipment:

White Goods Industry: Pre hardened and highly polished mould for air conditioner front grill, components of air conditioner, telecommunication systems, T.V. components, torch light components, Die for Pump bodies etc.

Intelligent Toys:

Any Others (Pl. give details): Plastic components for engineering applications like brackets, bobbins, vessels, contactors, insulation caps, microphone attachments etc.



ACHIEVEMENTS / MAJOR STRENGTHS

- Experience of almost 25 years.
- Both the partners are technical experts and staff are technically qualified.
- Already an ISO 9001:2000 certified unit from NQAQSR Certification Pvt. Ltd. since last two years.
- Can develop moulds and parts of moulds can also be manufactured for outsiders.

INSTALLED CAPACITY

- Smaller size Moulds (Capacity Tonnagewise 30-100 tons) Injection Moulding Machines (Thermo Plastics) : - 100 moulds
- Medium size Moulds (Capacity Tonnagewise 100-200 tons) Injection Moulding Machines (Thermo Plastics) : - 20 moulds
- Smaller size Moulds (Capacity Tonnagewise 200-400 tons) Injection Moulding Machines (Thermo Plastics) : - 10 moulds

MAJOR CUSTOMERS

Phillips India, BPL Sanyo, IFB Bosch, Godrej Telecom, Salora, Tatafone, Crompton Greaves, Eveready, Secure Meters, Modi Revlon, Hindustan Aircon Pvt. Ltd., Minda group of Industries, Bajaj Auto, Onida, etc.

INFRASTRUCTURE including MAJOR MACHINERIES

Hartford Machining Center	1450x650x550, 1.5T Max., 20ATC
Dahlih MCV-2100 ATC	2300x800x760, 3T Max., 32 ATC
M1TR CNC Milling Machine	270 x 900 x 120
CHMER Spark Erosion Machine	800 x 500 x 260 [Isocut]
Tool Craft Spark Erosion [Conventional]	600 x 400 x 200
Electronica Wire EDM	400 x 300 x 100
Surface Grinding Praga	700 x 200 x 160
Surface Grinding Avro	1000 x 500 x 600
Universal Knee Type Mill. M/c	1000 x 250

MANUFACTURING FACILITIES

Has 6000sq.ft. of own plant premises in the MIDC industrial area of MiraGaon, Thane.

FINANCIAL

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	1.07	0.00
2004-05	1.38	0.00
2005-06	1.02	0.00

EXPORT(S) & FUTURE POTENTIAL

The Company can exports as per the requirements of the foreign buyers and all infrastructure facilities are available with it. The future plans include:

- ✓ To enter into a JV with a Company having a **Strong Hold & Established Name** in the market.
- ✓ To exploit Tool-Room and Moulding experience in Executing **Concept to Marketing** the Final Product in Minimum Lead Time.
- ✓ To reduce **Design-To-Manufacture** Time by implementing various new technologies and innovations such as Reverse Engineering & CAD/CAE for a better and optimized Product Design.
- ✓ To cut down **Processing Cost** to be more cost effective in the market.

Turning Lathe
Radial Drilling Machine
Tool and Cutter Grinder

Max Job. Dia 300 mm
Dia 50 mm.
With Cylindrical Attachment

The company has also 3 Bench Drill Machines, Polishing Machine, Hardness Tester, and an Inspection Room. In Cad it is well equipped with AutoCAD 2000, Mechanical Desktop Ver 4.0 [2 Sheets] & SDRC's IDEAS Master Series 8.0 for Modeling & Mould Designing. They use Camand & Generative Machining for Cam requirements of which they have 1 Sheet each. They also use MOLDFLOW for CAE requirement. It is equipped with Hot Foil Stamping, Printing, Assembling, Ultra Sonic Welding & Spray Painting Facilities. It is also planning to invest in bigger capacity Inj. Molding M/Cs & in Laser printing Machine for Molded Parts.






62. PRINCE DESIGN – N – TOOLING TECHNOLOGY PVT. LTD.



COMPANY INFORMATION:

Name of the organization:
PRINCE DESIGN-N-TOOLING TECHNOLOGY PVT.LTD.

Address of the Corporate office / HQ:
**51/3, MAROL CO-OP. INDUSTRIAL ESTATE
M.V. ROAD, ANDHERI-EAST, MUMBAI 400059, INDIA**

Phone/Fax : **+91-22-28504212 / +91-22-28500822**
E-Mail: **mktg@princetooling.net**

Contact Person's Details: **RAAKESH CHHEDA, DIRECTOR**
E-mail : **raakesh@princeplastics.com**



PRINCE DESIGN-N-TOOLING TECHNOLOGY PVT.LTD.

PRODUCTS & SERVICES :

- A] INJECTION MOULDS
- B] COMPRESSION MOULDS
- C] BLOW MOULDS
- D] VACUUM FORMING
- E] JIG, FIXTURES AND GAUGES

**APPLICATION AREAS
(with full details of products) :**

Plastic Products:

- A] APPLIANCES
- B] AUTOMOTIVE
- C] ELECTRONICS



ACHIEVEMENTS / MAJOR STRENGTHS

- A] Achieving 98% functional performance [Mould]
- B] Achieving nearly 90% of dimensional precision of articles in first trial
- C] Our Vision:
To deliver value-added tooling solutions to match existing and emerging productivity requirements of our esteemed customers. We will achieve this by keeping pace with innovative techniques of plastic mould development and cashing every opportunity to improve.

INSTALLED CAPACITY

Capacity of manufacturing 200 moulds/year

Mould Size : Upto L x W = 1000 x 850

Mould Weight : Upto 5 ton

Suitable for : Upto 650 ton Injection Moulding Machine

MAJOR CUSTOMERS

- [A] Prince Plastics International Pvt. Ltd.
- [D] Newly commissioned Unit :
Potential customers are being approached.

INFRASTRUCTURE

- [A] 8500 Sq.Ft. area [Factory]



- [B] Load carrying capacity upto 5t
- [C] Own logistic arrangement
- [D] Pneumatic pressure line upto 60 cfm.

MANUFACTURING FACILITIES including Software:

- [A] Unigraphics NX4 for Mould Design [3 Seats]
- [B] Delcam Powermill - 7
- [C] CNC Vertical Machining Centre [Makhino S56] 1 No.
- [D] CNC Vertical Machining Centre [BFW-BMV 60] 1 No.
- [E] CNC Vertical Machining Centre [BFW-BMV 30] 1 No.
- [F] EDM ZNC Machine [Jeomars JM-500] 1 No.
- [G] EDM EZNC Machine [Electronica PS-50] 1 No.
- [H] Universal Milling Machine [BFW/HF-3.5] 1 No.
- [I] Spotting Press [KXS-1310-100] 1 No.
- [J] Conventional Machines 10 Nos.

FINANCE

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2004-05	N.A.	N.A.
2005-06	N.A.	N.A.
2006-07	Rs. 6 Crores	N.A.

TECHNOLOGY ARRANGEMENT / PARTNERSHIP

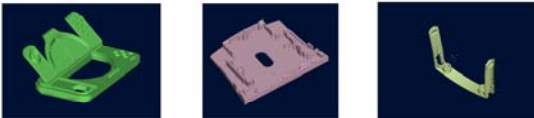
As a policy, Internationally renowned TOOL ROOM EXPERTS send our I.E.A.M.T's skills and impart training in latest Tool Making process.

EXPORT(S) & FUTURE POTENTIAL

Yet to commence securing orders by participating in International Trade Fairs. 60% of the output, approximately amounting to USD 2.25 Crores.




63. PROTEKZ



ESTD 1987

PROTEKZ

COMPANY INFORMATION:

Name of the organization : **PROTEKZ**

Address of the corporate office / HQ:
 PLOT NO. V-6, III MAIN ROAD,
 II STAGE, PEENYA INDL. ESTATE,
 BANGALORE-560058

Phone/Fax/E-Mail: 20361320 / 41170940 / protezk@airtelbroadband.in

Contact Person's Details: MR. SAMUEL THOLARN

PRODUCTS & SERVICES :

Plastic Injection Molds and Molded Components

APPLICATION AREAS (with full details of products) :

Plastic Products : Automobiles, Electrical, Electronics, Textile, Packaging, Plastic Medical Equipments

Electronics: Bobbins, Connectors

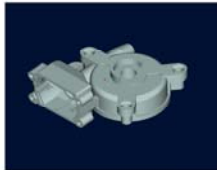
Automobile: Vehicle Door Accessories




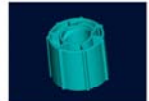
Auto Ancillary:

Electrical Instrumentation: Insulators

White Goods Industry:
 Washing Machine, Refrigerator

Any Others (Pl. give details):



INSTALLED CAPACITY

200 KVA

MAJOR CUSTOMERS

M/s. Larsen & Toubro Ltd - Mumbai

M/s. Titan Industries Ltd. Hosur & Bangalore

M/s. Denso Kirloskar Bangalore

M/s. Armor Plast Ltd Bangalore

M/s. Roots Industries Ltd Coimbatore

M/s. Needle Industries Tamil Nadu

M/s. Manjushree Extrusions Ltd. Bangalore

M/s. Aditya Auto Products Doddaballapur

M/s. Easun Reyrolle Ltd Hosur

M/s. Electrohms Pvt. Ltd Bangalore

M/s. Swan Silk Ltd Bangalore

M/s. Schneider Electric India Ltd. Bangalore

M/s. Vallabhdas Kanji Ltd Cochin

M/s. Molex India Ltd

M/s. Adroit USA Inc USA

M/s. Metrika Inc USA

M/s. Pacific Plastics - USA

INFRASTRUCTURE including MAJOR MACHINERIES

List Enclosed

MANUFACTURING FACILITIES

Design, Tool Room & Molding

FINANCIAL

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	1.776	0.034
2004-05	2.46	0.030
2005-06	2.50	0.0086

R & D EXPENDITURE & FACILITIES

Year	2003-04	2004-05	2005-06
Expenditure (Rs. Crores)	0.018	0.008	1.18

TECHNOLOGY ARRANGEMENT / PARTNER (S)

Mr. Samuel Tholar: Diploma in Tool & Die Making

Mr. Jose John N.: Diploma in Tool & Die Making


Mr. Suresh Babu N.P.: Diploma in Tool & Die Making

Mr. Haridas A.K.: Diploma in Tool & Die Making












64. RAUT ENGINEERING PVT. LTD.

ESTD 2006	
<h3>COMPANY INFORMATION</h3> <p>Name of the organization : M/S RAUT ENGINEERING PVT. LTD.</p> <p>Address of the Corporate office / HQ: 38 / D, GOVERNMENT IND. EST., CHARKOP, KANDIVALI (W), MUMBAI 400 067</p> <p>Phone/Fax/E-Mail: 28609611 / 22 FAX: 2860 9633 EMAIL : rautengg@vsnl.net</p> <p>Contact Person's Details: MR. NILKANT RAUT</p>	<h3>M/S RAUT ENGINEERING PVT. LTD.</h3> <h3>PRODUCTS & SERVICES</h3> <p>1) PLASTIC INJECTION MOULDS 2) PLASTIC BLOW MOULDS</p> <h3>APPLICATION AREAS (with full details of products) :</h3> <p>Plastic Products: ALL TYPE OF PLASTIC PARTS MANUFACTURE Electronics: ELECTRONICS INSTRUMENTS PLASTIC PART Automobile: AUTOMOBILE PLASTIC PARTS Auto Ancillary: Electrical Instrumentation: Telecommunication: TELEPHONE OUTER BODY, HANDSET AND OTHER PLASTIC PARTS Medical Equipment: MEDICAL EQUIPMENT PLASTIC PARTS White Goods Industry: Intelligent Toys: ALL TYPES OF PLASTICS PARTS Any Others (Pl. give details):</p>

<h3>MAJOR CUSTOMERS</h3> <ol style="list-style-type: none">1) VARROC ENGG. PVT. LTD., AURANGABAD, INDIA2) L&T LTD., MUMBAI, INDIA3) GODREJ LTD., MUMBAI, INDIA4) TATA AUTOCOMP SYSTEM LIMITED, PUNE, INDIA5) PRINCE PLASTICS LTD., MUMBAI, INDIA6) MUTUAL IND. LTD., MUMBAI, INDIA7) MILTON PLASTICS LTD., MUMBAI, INDIA8) MAXWELL PLASTOMERS, SHARJA, UAE9) KOPPA ENGINEERING, MELBOURNE AUSTRALIA10) DP & T, NETHERLAND	<h3>MANUFACTURING FACILITIES :</h3> <p>CNC, SPARKLING, MILLING, LATHE MACHINES</p>

65. RENATA PRECISION COMPONENTS PVT. LTD.




About Us
We are constantly pioneering its progress. We started with plastic moulding in 1992. We added metal manufacturing in 1995, metal stamping in 2005 and CAD / CAM in 2006.

We are proud to be associated with many reputed companies. Some of them are:

Name of Customer	Products supplied
Tata Motors Ltd	Auto electrical / electronics components.
Kelhin India Pvt Ltd	Carburetor components.
Behr India Ltd	Automotive Air Conditioning components.
Sander Thailand Co Ltd	Automotive Air Conditioning components.
Behr India Thermo Control	Automotive HVAC Control Panel components.
Aprax India Pvt Ltd	Capacitor Bases.
Valley Components India Pvt Ltd	Capacitor components.
Honeywell Turbo Technologies (I) Pvt Ltd	Turbocharger Fuel Caps.

COMPANY INFORMATION:
Renata Precision Components Pvt. Ltd.
Corporate office / HQ: J-526, Opp J-413, MIDC, Bhosari, Pune 411 026
Phone/Fax/E-Mail: (020) 66114920/21, renata@vsnl.com
Contact Person's Details: Mr. Rohit Thawani



ESTD. 1992 **ISO:9001**

Renata Precision Components Pvt. Ltd.

APPLICATION AREAS (with full details of products) :

Plastic Products: **Yes**

Electronics: **Yes**

Automobile: **Yes**

Auto Ancillary: ----

Electrical Instrumentation: **Yes**


Telecommunication: ----

Medical Equipment: ----

White Goods Industry: ----

Intelligent Toys: ----

Any Others (Pl. give details): ----



INFRASTRUCTURE including MAJOR MACHINERIES

- 1)Agie charmillies wire cut machine (Robofil 380)
- 2)EDM machine charmillies
- 3)Okamoto Grinding machine



From tooling to components
Small is big, because small things make a big difference. Small parts in your big products need big passion, big commitment and big capabilities. Renata has all these. We make the big difference by offering world class plastic moulding and metal stamping.

ACHIEVEMENTS / MAJOR STRENGTHS

- 1)State of the Art Tool Room
- 2) Qualified and skilled man power

INSTALLED CAPACITY

4 Tools / Month

MAJOR CUSTOMERS

- 1)Tata Motors Ltd.
- 2)Kelhin Fie India Pvt. Ltd.
- 3)Epcos India Ltd.
- 4)Behr India Ltd.
- 5)Vishay Components India Pvt. Ltd.

small parts come with BIG capabilities

Our small parts come with big capabilities. We have a dedicated team for tooling, manufacturing, assembly, testing, packing, shipping, and customer support. We are ISO 9001 certified.

small parts for your BIG products

Our small parts address your big needs. We manufacture and supply all types of small parts. We have a wide range of products. We are ISO 9001 certified. We have a dedicated team for tooling, manufacturing, assembly, testing, packing, shipping, and customer support.

MANUFACTURING FACILITIES

- 1)Surface Grinding : Okamoto 510 x 150 mm Praga- 450 x 150 mm
- 2) EDM: Charmilles 300 x 200 mm
- 3) Wire Cut EDM : Charmilles Robofil 380 (400 x 300 x 250) travel
- 4) Turning: Geedee Weiler 500 mm
- 5) CAD : Unigraphics

FINANCIAL

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	4.00	-
2004-05	5.00	-
2005-06	6.00	-


TECHNOLOGY ARRANGEMENT/PARTNER (S)
Looking for a partner / Joint venture

EXPORT(S) & FUTURE POTENTIAL
Plastic & Metal components and Dies to European countries

Our small parts address your BIG needs

small parts from us mean BIG savings for you

66. RENUKA AUTO CRANK



COMPANY INFORMATION:

Name of the organization: Renuka Auto Crank

Address of the Corporate office / HQ: J-227, MIDC, Bhosari, Pune 411 026, Maharashtra, India.

Phone/Fax/E-Mail: (020) 2747 1344, (020) 2745 0212

Address of the Unit: - As above

Phone/Fax/E-Mail: (020) 2747 1344 (Fax), renukaauto@eth.net

Contact Person's Details: Mr. Abhijit Ambekar, Mobile - 09422327947

ESTD. 1987

Renuka Auto Crank

PRODUCTS & SERVICES :

Our company is in the manufacturing of Automobile and compressor crank shafts under 10 kg wt. Dies and moulds for the captive consumption

APPLICATION AREAS (with full details of products) :

Plastic Products:

Electronics:

Automobile: 1) Automobile Engine Crank Shafts 2) Compressor Crank Shafts 3) Flanges etc

Auto Ancillary:

Electrical Instrumentation:


Telecommunication:

Medical Equipment:

White Goods Industry:

Intelligent Toys:

Any Others (Pl. give details): -Gate valves assembly -Gate segments



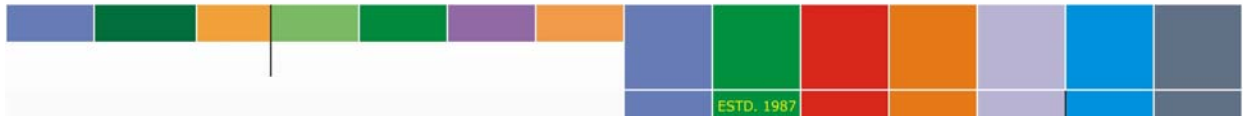
<p>ACHIEVEMENTS / MAJOR STRENGTHS</p> <p>Crankshaft manufacturing</p>		<p>FINANCIAL</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Year</th> <th>Turnover (Rs. Crores)</th> <th>Exports (Rs. Crores)</th> </tr> </thead> <tbody> <tr> <td>2003-04</td> <td>1.00</td> <td>-</td> </tr> <tr> <td>2004-05</td> <td>2.00</td> <td>-</td> </tr> <tr> <td>2005-06</td> <td>3.00</td> <td>2.00</td> </tr> </tbody> </table>	Year	Turnover (Rs. Crores)	Exports (Rs. Crores)	2003-04	1.00	-	2004-05	2.00	-	2005-06	3.00	2.00
Year	Turnover (Rs. Crores)	Exports (Rs. Crores)												
2003-04	1.00	-												
2004-05	2.00	-												
2005-06	3.00	2.00												
<p>INSTALLED CAPACITY</p> <p>1,00,000 Nos. crankshafts per Annum</p>		<p>EXPORT(S) & FUTURE POTENTIAL</p> <p>Supply of crank shafts or auto comp to European countries & USA upto 15 to 20 kg</p>												
<p>MAJOR CUSTOMERS</p> <p>Hispa Cold</p> <p>Ingersoll Rand</p> <p>Frick India</p> <p>TVS</p> <p>Kores (I) Ltd.</p>														

67. SANDHAR STEADY STREAM TOOLING PVT. LTD.

<p>COMPANY INFORMATION:</p> <p>Name of the organization: M/s Sandhar Steady Stream Tooling Pvt. Ltd.</p> <p>Address of the corporate office / HQ : B-6/1, Commercial Centre, Safdarjang Enclave, New Delhi-110 029, India</p> <p>Phone/Fax/E-Mail: 91-124-2290804 / sstpl@vsnl.net</p> <p>Address of the Unit: Plot no-92, Sector-3, IMT Manesar, 122 050</p> <p>Phone/Fax/E-Mail: 91-124- 2290816 Fax: 2290939 / ssst@dataone.in</p> <p>Contact Person's Details: Mr. Deepak Sharma, Designation: Manager Business Development, Contact No- 09818215236</p>		<p>ESTD. 2002</p> <p>Sandhar Steady Stream Tooling Pvt. Ltd.</p> <p>Date & Nature of Commercial Production 2003</p> <p>PRODUCTS & SERVICES :</p> <p>Plastic Moulds & Die Casting Dies for Automotive Industries, Electronic & Electrical Industries</p> <p>APPLICATION AREAS (with full details of products) :</p> <p>Plastic Products : Two Wheelers & Four Wheelers</p> <p>Electronics : Switches & Bodies & Cover</p> <p>Automobile : Two Wheelers Interiors & Four Wheelers exteriors Parts.</p>
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<p>ACHIEVEMENTS / MAJOR STRENGTHS</p> <p>95% OK Dimension in the first trial against components specs</p> <p>100% tools become ok in the second trial</p> <p>Kaizen systems is followed vigorously</p> <p>Our goal is to become no-1 Tool Room in the northern belt.</p> <p>INSTALLED CAPACITY</p> <p>Capacity of develop 8-10 different type of tools per month both for plastic moulds & Die Casting Dies.</p> <p>Capacity of developing moulds & Dies up to 1000 ton machine</p> <p>MAJOR CUSTOMERS</p> <p>Hero Honda, Honda Motorcycle & scooter, L&T, Tata Ficosa, Sunbeam</p> <p>Auto, Global Autotech, Krishna Maruti, Krishna Toyo, Stanley Electrical,</p> <p>A.G Industries, Ramson Industries, Bharat Seats etc...</p> <p>INFRASTRUCTURE including MAJOR MACHINERIES</p> <p>100 ton Die spotting Press Action Machinery</p> <p>2 nos. of VMC - CHEVALIER</p> <p>3 nos. of EDM - CHMER</p> <p>1 EDM hole drilling machine & wirecut - CHMER</p>	<p>Pro E system - Three seat</p> <p>Delcam - Two seats</p> <p>Master cam - one seat</p> <p>MANUFACTURING FACILITIES</p> <p>We are closely associated with our sister company Sandhar Auto Components to supply plastic components, Aluminum & Zinc Parts as per the requirement of the customer.</p> <p>FINANCIAL</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Turnover (Rs. Crores)</th> <th>Exports (Rs. Crores)</th> </tr> </thead> <tbody> <tr> <td>2003-04</td> <td>RS. 0.59</td> <td>-</td> </tr> <tr> <td>2004-05</td> <td>Rs. 2.01</td> <td>-</td> </tr> <tr> <td>2005-06</td> <td>Rs. 2.64</td> <td>-</td> </tr> </tbody> </table> <p>TECHNOLOGY ARRANGEMENT / PARTNER (S)</p> <p>Joint venture with steady stream business Company of Taiwan.</p> <p>EXPORT(S) & FUTURE POTENTIAL</p> <p>We are planning to export the tools to Gulf Countries and European countries in the next financial year.</p>	Year	Turnover (Rs. Crores)	Exports (Rs. Crores)	2003-04	RS. 0.59	-	2004-05	Rs. 2.01	-	2005-06	Rs. 2.64	-
Year	Turnover (Rs. Crores)	Exports (Rs. Crores)											
2003-04	RS. 0.59	-											
2004-05	Rs. 2.01	-											
2005-06	Rs. 2.64	-											

68. SANSHA SYSTEM LTD.



COMPANY INFORMATION:

Name of the organization: SANSHA SYSTEM LTD.

Address of the Corporate office / HQ: 26/3A, Sankey Road ,
Bangalore - 560052

Phone/Fax/E-Mail: 080-7832498, Telefax 7833734 , Sansha@shefromgroup.com

Address of the Unit: SANSHA SYSTEM LTD.
No. 146, B Block, Bommasandra Indl Area, Bangalore 560099

Phone/Fax/E-Mail: 080-7832498,
Telefax 7833734 , Sansha@shefromgroup.com

Contact Person's Details: Mr. T.N. Nagaraju, Vice President

**SANSHA SYSTEM
LTD.**

ESTD. 1987

PRODUCTS & SERVICES :

Press Tools, press components, precision pmachined components for automobile industry & general engineering industries.

APPLICATION AREAS (with full details of products) :

Plastic Products: Moulds for plastic components

Electronics: Sheet metal parts for computer pands

Automobile: Sheet metal and precision turned and grand components for two wheelers and four wheelers.

Auto Ancillary: - do -

Electrical Instrumentation:

Telecommunication:

Medical Equipment:

White Goods Industry: Sheet metal parts for refrigerators and washing machines

Intelligent Toys: Sheet :

Any Others (Pl. give details): Special precision parts for space engineering



ACHIEVEMENTS / MAJOR STRENGTHS

ISO-Certified, In the process of obtaining IS-TS-16949 during current year.

Strong Technical team to meet the customers requirements.

INSTALLED CAPACITY

About 150 to 200 Tools/year, Including small & Big Tools

Pressed components of 18 millions /year.

MAJOR CUSTOMERS

TVS Motor company-Two wheeler manufacturer

Essea Digitormics Ltd.

NEVA CAR Company

NIPPO Batteries

Panasonic Batteries

B.E.M.L.

ISRO

INFRASTRUCTURE including MAJOR MACHINERIES

About 2.00 Acres of land, 20000 sqft Building. Balance empty land available for expansion

ESTD. 1987

MANUFACTURING FACILITIES

CNC Turning

CNC Milling

CNC wire cutting

CNC Jig Grinding

HITR

Hilling/Turning Grinding/Shaping & Inspection & activities CMM Etc.

FINANCIAL

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	Rs. 1.32 Crores	Nil
2004-05	Rs. 1.20 Crores	Nil
2005-06	Rs. 1.50 Crores	Nil

EXPORT(S) & FUTURE POTENTIAL

Willing to export if opportunity comes.

69. SAVITRI AUTOMATION

<p>COMPANY INFORMATION:</p> <p>Name of the organization: Savitri Automation</p> <p>Address of the Corporate office / HQ: Plot No. 37/2, D 2 Block, MIDC, Chinchwad, Pune 411 019</p> <p>Phone/Fax/E-Mail: (020) 6611 2725, 3266 2016, Fax (020) 6611 2725, Cell No.: 9822186390, savitriauto@eth.net</p> <p>Contact Person's Details: Mr. Sachin Agarwal / Mr. Vikas Agarwal</p>		<p>Savitri Automation</p> <p>Date & Nature of Commercial Production 2003</p>
<p>PRODUCTS & SERVICES :</p> <p>Manufacturing moulds, dies, patterns, VMC machining labor charges</p>	<p>APPLICATION AREAS (with full details of products) :</p> <p>Plastic Products: Yes</p> <p>Electronics:</p> <p>Automobile: Yes</p> <p>Auto Ancillary: Yes</p> <p>Electrical Instrumentation:</p> <p>Telecommunication:</p> <p>Medical Equipment: Yes</p> <p>White Goods Industry: Yes</p> <p>Intelligent Toys: Yes</p> <p>Any Others (Pl. give details): Patterns</p>	

<p>ACHIEVEMENTS / MAJOR STRENGTHS</p> <p>All Tool Room facilities under one roof with CAD, CAM & CNCs.</p>		<p>FINANCIAL</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Turnover (Rs. Crores)</th> <th>Exports (Rs. Crores)</th> </tr> </thead> <tbody> <tr> <td>2003-04</td> <td>0.30</td> <td>-</td> </tr> <tr> <td>2004-05</td> <td>0.65</td> <td>-</td> </tr> <tr> <td>2005-06</td> <td>1.2</td> <td>0.05</td> </tr> </tbody> </table>	Year	Turnover (Rs. Crores)	Exports (Rs. Crores)	2003-04	0.30	-	2004-05	0.65	-	2005-06	1.2	0.05
Year	Turnover (Rs. Crores)	Exports (Rs. Crores)												
2003-04	0.30	-												
2004-05	0.65	-												
2005-06	1.2	0.05												
<p>INSTALLED CAPACITY</p> <p>30 nos. / month</p>														
<p>MAJOR CUSTOMERS</p> <p>DGP Hinoday</p> <p>Kores India Ltd.</p> <p>Mutha Group - Satara</p> <p>FIE Group, Kolhapur</p> <p>Kirloskar Oil Engines Limited</p> <p>Export wooden pattern to USA</p>		<p>R & D EXPENDITURE & FACILITIES</p> <table border="1"> <thead> <tr> <th>Year</th> <th>2003-04</th> <th>2004-05</th> <th>2005-06</th> </tr> </thead> <tbody> <tr> <td>Expenditure (Rs. Crores)</td> <td>0.5</td> <td>0.5</td> <td>0.5</td> </tr> </tbody> </table>	Year	2003-04	2004-05	2005-06	Expenditure (Rs. Crores)	0.5	0.5	0.5				
Year	2003-04	2004-05	2005-06											
Expenditure (Rs. Crores)	0.5	0.5	0.5											
<p>INFRASTRUCTURE including MAJOR MACHINERIES</p> <p>CAD, CAM Set up</p> <p>4 VMCs</p> <p>Milling machines</p> <p>Drilling machines</p> <p>EDM Wire Cut</p>		<p>EXPORT(S) & FUTURE POTENTIAL</p> <p>Double capacity within 2 years</p>												

70. SERMO ARRK INDIA LIMITED



ESTD. 1995

Sermo Arkk India Limited

PRODUCTS & SERVICES :
Plastic moulds

APPLICATION AREAS (with full details of products) :

Plastic Products: Automotive Plastic Parts, White goods plastic parts

Electronics :

Automobile: Automotive Interior & Exterior parts for car, LCV, HCV, Two wheelers

Auto Ancillary: As above

Electrical Instrumentation:

Telecommunication:

Medical Equipment:

White Goods Industry: Washing machines, Refrigerator & Air conditioning Plastic parts

Intelligent Toys:

Any Others (Pl. give details): ----

COMPANY INFORMATION:

Name of the organization: Sermo Arkk India Limited

Address of the Corporate office / HQ:
5/4 Nagar Road, Pune 411 014, India.

Phone/Fax/E-Mail: +91 20 6641 9300,
Fax 66419499 kirit.chheda@sermoarrkindia.com

Contact Person's Details: Mr. Gibson M (Managing Director)

PRODUCTS & SERVICES :
Plastic moulds

APPLICATION AREAS (with full details of products) :

Plastic Products: Automotive Plastic Parts, White goods plastic parts

Electronics :

Automobile: Automotive Interior & Exterior parts for car, LCV, HCV, Two wheelers

Auto Ancillary: As above

Electrical Instrumentation:

Telecommunication:

Medical Equipment:

White Goods Industry: Washing machines, Refrigerator & Air conditioning Plastic parts

Intelligent Toys:

Any Others (Pl. give details): ----

ACHIEVEMENTS / MAJOR STRENGTHS

- ISO 9001-2000 Certified Company
- Subsidiary of Tool maker SERMO
- Inhouse Tryout facility room 180T 2800T
- Large parts such as Bumpers, Instrument panels& Door Trims manufacturer

INSTALLED CAPACITY
Design - 187000 hrs / years on pg (Production & Tryout)

MAJOR CUSTOMERS

<p>DOMESTIC</p> <ol style="list-style-type: none"> 1) TATA Motors 2) Maruti Udyog 3) General Motors 4) Honda Motorcycle 5) Mahindra Renault 	<p>EXPORT</p> <ol style="list-style-type: none"> 1) Faureciar 2) Voleu 3) Pegufrim 4) Citrofar
---	---

INFRASTRUCTURE including MAJOR MACHINERIES

- 1) 5-axis high speed milling
- 2) CNC Milling
- 3) CNC EDM
- 4) Gun Drilling
- 5) Die Spotting Press
- 6) 3-D Co-ordinat Measuring Machine
- 7) In-house mould testing
- 8) Injection mpoulding




Global Presence



Mould Development






FINANCIAL

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	17.00	9.18
2004-05	17.50	5.61
2005-06	23.25	4.49

TECHNOLOGY ARRANGEMENT / PARTNER (S)
Arkk Group member
SERMO- European Tool Maker leader
Transfers Technology of Design Programming, machining & Tryout


EXPORT(S) & FUTURE POTENTIAL
Europe

71. SERVOTRONICS



DRILL EDM
JMT Taiwan
1. _1 No. gde

X	Y	Z	MaxLoad
1. 250mm	150mm	150mm	100kg



MILLING
ARGO Taiwan
1. _1 No. gsm

X	Y	Z	MaxLoad
1. 700mm	300mm	400mm	150kg

SERVOTRONICS

PRODUCTS & SERVICES :

Job Work and Toolings

APPLICATION AREAS (with full details of products) :

Plastic Products:

Electronics:

Automobile: Part of the Tools wire cutting job work done

Auto Ancillary: Part of the Tools wire cutting job work done

Electrical Instrumentation:

Telecommunication:

Medical Equipment:

White Goods Industry:

Intelligent Toys:

Any Others (Pl. give details):

COMPANY INFORMATION:

Name of the organization: M/S. SERVOTRONICS

Address of the Corporate office / HQ:
New No:5, old No. 16, Reddy III street,
Ambal Nagar, Chennai - 600032

Contact Person's Details: M. Karthinkeyan, Sr. Manager, Tool Room

Phone: 2232 3321,2233 1616,
Telefax : 2231 0987.
Mobile : 98409 29620, 98410 31420
9444138956,(Jig Boring)
(EDM)

E-mail : chennacnc@yahoo.co.in / scntech@vsnl.net

ACHIEVEMENTS :

Turn over increased to doubled Quality Certification from AQSR




WIRE EDM
ELECTRONICA India
1. MAXDUT - 734 - 3 Hse. gsm

X	Y	Z	MaxLoad
1. 300mm	400mm	220mm	100kg

INFRASTRUCTURE including MAJOR MACHINERIES

We spread over 3500 sq. ft. area with the following machineries
Fire wire cutting machines, two sparking machines, one EDM super drill machine, two corr. Milling and all equipped instruments for tool room infrastructure.



CNC - MILLING
DAHLBIL Taiwan
1. MCV-720_FANUC-11M-11No. gsm
2. MCV-1020_FANUC-11No. gsm
3. MCV-1020_FANUC-21MB-11No. gsm

X	Y	Z	MaxLoad
1. 720mm	400mm	400mm	500kg
2. 1020mm	500mm	500mm	600kg
3. 1020mm	560mm	560mm	600kg

MAJOR STRENGTHS:

Approved of vendors for MNC's like Motherson Automotive, Ennore Foundries, Govt EnterprisesDRDo, and Engine Factory Avadi




WIRE EDM
SOORCK Japan
1. EP025_MARK-02_11No. gsm
2. EP0300_MARK-X_11No. gsm

X	Y	Z	MaxLoad
1. 250mm	300mm	120mm	200kg
2. 300mm	440mm	220mm	200kg

MAJOR CUSTOMERS

Automotive ancillary services(P) Ltd.
Dietech India (P) Ltd.
Necco Tools




WIRE EDM
ELECTRONICA India
1. MAXDUT - 734 - 3 Hse. gsm
2. SPHOUT - 734 - 1 Hse. gsm

X	Y	Z	MaxLoad
1. 300mm	400mm	220mm	100kg
2. 300mm	400mm	220mm	100kg

FINANCIAL

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	0.18	-
2004-05	0.41	-
2005-06	1.04	-



CNC - MILLING
ENABE Japan
1. YMC-1020_FANUC-11M-11No. gsm

X	Y	Z	MaxLoad
1. 1020mm	500mm	500mm	600kg

72. SHRI GAJANANA INDUSTRIES (I) PVT. LTD.



COMPANY INFORMATION:

Name of the organization: Shri Gajanana Industries (I) Pvt.Ltd.

Address of the corporate office / HQ: C-7 Hind Saurashtra Indl. Estate Marol Naka, Andheri-Kurla Road, Andheri (E), Mumbai-400059

Phone/Fax: 22-28509909/28504725/22-28590546/28596034
3.22-56921931(Direct).

Phone/Fax/E-Mail: mob no 09821232084/09322956330
sgicadcam@gmail.com

Contact Person's Details: B. Ganapathi



ESTD. 1997

Shri Gajanana Industries (I) Pvt.Ltd.

PRODUCTS & SERVICES :

Manufacturers & Exporters of injection Moulds & dies for Automobiles, Electrical Engineering & Household.

**APPLICATION AREAS
(with full details of products) :**

- Plastic Products: Moulds & Dies.
- Electronics: Moulds & Dies.
- Automobile: Moulds & Dies.
- Auto Ancillary:
- Electrical Instrumentation:
- Telecommunication: Moulds & Dies.
- Medical Equipment: Moulds & Dies.
- White Goods Industry: Moulds & Dies.
- Intelligent Toys:
- Any Others (Pl. give details):



MAJOR CUSTOMERS

TATA AUTO PLAST
BAIAI AUTO LTD.
VARROC ENGINEERING LTD.
LARSEN & TOUBRO LTD.
BRITE BROS. LTD.
CROMPTON GRAVES LTD.
WHIRPOOL OF INDIA LTD.
RONCH POLYMER PVT. LTD.
GODREJ & BOYCEE MFG.LTD.
VOLTAS ELECTROLUX LTD.
HINDUSTAN LEAVER LTD.
LG POLYMERS LTD.
STEEL BIRDS
AERO STAR HELMETS
PRINCE PLASTICS
PRINCE PIPES & FITTINGS
SUPER PLASTICS
JAI HIND ENTERPRISES
SAMSONITE SOUTH ASIA PVT. LTD.
ASIAN PLASTWARE LTD.
CELLO THERMO WARE LTD.
PAPILON
AL BORZE LTD.
JYOTI PLASTICS

FINANCIAL

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	4.8 Crores	0.20 Crores.
2004-05	6.2 Crores	0.65 Crores
2005-06	5.8 Crores	0.75 Crores



MANUFACTURING

Latest CNC machining facility and advanced experimental facility provide delivery commitment & quality

Home Appliances & Household

WELD TESTING

73. SRIDEVI TOOLS ENGINEERING PVT. LTD.

COMPANY INFORMATION:

Name of the organization: **SRIDEVI TOOLS ENGINEERING PVT. LTD.**

Address of the Corporate office / HQ: A 61, Nand Jyot Industrial Estate, Safed Pool, Mumbai 400 072.

Phone/Fax/E-Mail: Telefax : + 91 22 28518893

Address of the Unit: 62 D, M. G. Road, Village Valiv Vasai (E) 401208, Dist. Thane.

Phone/Fax/E-Mail: Tel.: + 91 250 - 2480293

Fax: + 91 250 2480439 E-mail: sridevi@sridevitoools.com

6. Contact Person's Details: Mr. S. C. Kalyanpur (Managing Director)
Mr. Narottam Jethva (General Manager)

SRIDEVI TOOLS ENGINEERING PVT. LTD.

Date & Nature of
Commercial Production
1973

PRODUCTS & SERVICES :

We Design and Manufacture Plastic Injection Moulds for Automobile, white Goods, luggage, SWR fittings, & other Industrial Products.

APPLICATION AREAS (with full details of products) :

Plastic Products: SWRA Pipe Fittings, Furniture, Luggage, Hand Fan, Hanger, Water Tiffin Box, Desk Tray

Electronics:

Automobile: Interior & Exterior Plastic parts Door Trims, A-B-C pillars, Dash Boards, Under hood, Fog lamps, Lighting, Polishing, Engine covers, spoilers etc. 2 wheeler = side cover, Fender front, Rear, Cowl, guide & scoop air

Auto Ancillary:

Electrical Instrumentation: Meter box, Junction kit parts

Telecommunication:

Medical Equipment: First Aid box, cotton container, Nozzle spray

White Goods Industry: TV Panels, Refrigerator parts, washing machine parts, air conditions panels etc.

Intelligent Toys: Nil

Any Others (Pl. give details): Forging tools for Aeronautics



ACHIEVEMENTS / MAJOR STRENGTHS

4 Times supplier award from Honda Japan
ISO 9001 2000 CERTIFIED
European Technology
Minimum lead time
Accuracy and cost effectiveness

INSTALLED CAPACITY

Molds up to 35 tons
150 Mold per year

MAJOR CUSTOMERS

Maruti Suzuki, Toyota, Ford, General Motors, Tata Motors, Eicher Motors, Motherson Sumi, Mahindra & Mahindra, Honda, Yamaha, Bajaj, TVS Motor, Suzuki Motor cycle, Samsonite, Finolex

INFRASTRUCTURE including MAJOR MACHINERIES

- 1) CNC High Speed Vertical Milling (4)
- 2) CNC Universal Milling (2)
- 3) CNC Horizontal Milling (1)
- 4) CNC Vertical Machine (1)
- 5) Die Spotting Press (1)
- 6) Tool Presetter - (1)
- 7) NC EDM - (1)
- 8) ZNC EDM - (3)
- 9) Conventional Universal Milling (3)
- 10) Conventional Milling Ram & Turret (1)
- 11) Surface Grinding (3)
- 12) Cylindrical Grinding (1)
- 13) Injection Molding Machine (2)
- 14) TIG Welding Machine (1)
- 15) Ultrasonic Polishing Machine (1)
- 16) Diprofil Polishing Machine (6)
- 17) MICRO-Hite Digital Height Gauge (1)
- 18) Cold Welding Machine (1)

MANUFACTURING FACILITIES

- 1) Tebis CAD (3)
- 2) Tebis CAM - (2)
- 3) Unigraphics CAD / CAM (4)
- 4) Auto CAD (2)
- 5) Smart CAM - (1)
- 6) Master CAM (1)
- 7) Mold Flow - (1)
- 8) Work NC (1)
- 9) Solid Age (1)
- 10) Inventor - (3)
- 11) C Mould (1)

FINANCIAL

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	5.20	Nil
2004-05	9.33	.01
2005-06	8.72	.87

R & D EXPENDITURE & FACILITIES

Year	2003-04	2004-05	2005-06
Expenditure (Rs. Crores)	.033	.014	.047

EXPORT(S) & FUTURE POTENTIAL

We are expecting growth in exports, projects in coming future.



COMPANY INFORMATION:

Name of the organization: M/s.SUHNER India Pvt.Ltd.,

Address of the Corporate office / HQ: 235 U2 Bommasandra,
Bangalore 560 099

Phone/Fax/E-Mail: 080/27831108 Fax: 27831109
Abrasive.in@shner.com

Contact Person's Details: Philliph Ammann - CEO
S.M.Yunus Sales Manager - APT

SUHNER India
Pvt.Ltd.

ESTD. 1999

**APPLICATION AREAS
(with full details of products) :**

- Plastic Products: Nil
- Electronics: Nil
- Automobile: Power tools & Pneumatic tools
- Auto Ancillary: Power tools, Pneumatic tools, Special Purpose machines
- Electrical Instrumentation: Nil
- Telecommunication: Nil
- Medical Equipment: Power tools, Pneumatic tools & Abrasives
- White Goods Industry: Nil
- Intelligent Toys: Nil
- Any Others (Pl. give details): Heavy duty stainless steel mfgs & Aviations

PRODUCTS & SERVICES :

Power Tools,
Pneumatic tools,
Flexible Shaft Grinding machine
& Abrasives

INSTALLED CAPACITY

Assembly unit only

MAJOR CUSTOMERS

BHEL,BEML,HAL,NPOL,KENNAMETAL,FANUC,ASHOK LEYLAND

INFRASTRUCTURE including MAJOR MACHINERIES

ASSEMBLY & FULL EQUIPED QUALITY CONTROL DEPT.

Qualität und Leistung aus gutem Haus
Qualität und Leistung aus gutem Haus. Die SUHNER Gruppe ist ein weltweit führender Hersteller von Schleifmitteln, Schleifwerkzeugen und Schleifmaschinen. Die SUHNER Gruppe ist ein weltweit führender Hersteller von Schleifmitteln, Schleifwerkzeugen und Schleifmaschinen.

Quality and performance from a good background
Quality and performance from a good background. The SUHNER Group is a world leader in the production of grinding media, grinding tools and grinding machines. The SUHNER Group is a world leader in the production of grinding media, grinding tools and grinding machines.

Qualité et rendement d'une bonne maison
Qualité et rendement d'une bonne maison. Le Groupe SUHNER est un leader mondial dans la production de produits abrasifs, d'outils abrasifs et de machines abrasives. Le Groupe SUHNER est un leader mondial dans la production de produits abrasifs, d'outils abrasifs et de machines abrasives.

Abrasive expert.

SUHNER



Maschinen und Werkzeuge für die Oberflächenbearbeitung
Abrasive power tools and attachments
Outils abrasifs industriels

75. SUNIKH PRECISION PVT. LTD.

<h3 style="color: red; margin: 0;">COMPANY INFORMATION:</h3> <p>Name of the organization: Sunikh Precision Pvt. Ltd.</p> <p>Address of the Corporate office / HQ: Sunikh Precision Pvt. Ltd.</p> <p>No. 41, Phase II Electronic uts Hosur Road, Bangalore 560 100</p> <p>Phone/Fax/E-Mail: 080-41201149, sppl@sunikh.com</p> <p>Contact Person's Details: M.A. Khadar, Managing Director</p>	<div style="text-align: center; border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">ESTD. 1991</div> <h3 style="text-align: center; margin: 10px 0;">Sunikh Precision Pvt. Ltd.</h3> <p style="text-align: right; font-size: small;">Date & Nature of Commercial Production 1991</p> <div style="border: 1px solid black; background-color: yellow; padding: 5px; margin: 10px 0;"> PRODUCTS & SERVICES : design manufacture and supply of Press tools, jigs textres, mobiles templates etc. Mfr and supply of pressed / stamped sheet metal components Mfr & supply of precision profited components </div> <p>APPLICATION AREAS (with full details of products) :</p> <p>Plastic Products: Moulds</p> <p>Electronics: Hardware components (Enclosure for cabinets, inverter parts,(sheet metal component)</p> <p>Automobile: Pressed/stamped parts for two wheelers and four wheelers</p> <p>Auto Ancillary: sheet metal pressed formed and welded parts</p> <p>Electrical Instrumentation: Pressed/stamped parts for electrical cabinets.</p> <p>Telecommunication: Pressed/formed parts for enclosure</p> <p>Medical Equipment: Precision machined components using SEDM and wise EDM machines.</p> <p>White Goods Industry:</p> <p>Intelligent Toys:</p> <p>Any Others (Pl. give details): various precision machined parts for GTRE, LRDE, NAL, HAL Etc.</p>
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<p>ACHIEVEMENTS / MAJOR STRENGTHS</p> <p>Full pledged commercial tool room and press shop from 10Ton to 400 ton capacity presses and all the convensnal and RCNC wise EDM, ZNC spaking super EDM ETC., well known in precision Engineering end.</p> <p>INSTALLED CAPACITY</p> <p>On the basis of turn over the installed capacity in about 400 lacs.</p> <p>MAJOR CUSTOMERS</p> <p>GTRE, Goetzep India Ltd, Rittial India Pvt. Ltd. APW President IFB, and may other SSI units.</p> <p>INFRASTRUCTURE including MAJOR MACHINERIES</p> <p>Land about 45000 sft, bidding about 24000 sft. CNC were EDM 8 Nos, Znc spaking, super EDM, sufaceginding middling drilling, Tig boring power presses for IATO 400 Ton 20 nos. Projection welding, spat welding, Finging presses, DG set and anneched Power about 200KVA.</p>	<p>MANUFACTURING FACILITIES</p> <ul style="list-style-type: none"> - Design, development and manufacture of press tools and molds. - CNC wire cutting, sparking, precision machinery - Manufacture of pressed/stamped sheet metal components. <p>FINANCIAL</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Year</th> <th>Turnover (Rs. Crores)</th> <th>Exports (Rs. Crores)</th> </tr> </thead> <tbody> <tr> <td>2003-04</td> <td>2.53</td> <td>-</td> </tr> <tr> <td>2004-05</td> <td>2.90</td> <td>-</td> </tr> <tr> <td>2005-06</td> <td>2.66</td> <td>-</td> </tr> </tbody> </table> <p>EXPORT(S) & FUTURE POTENTIAL</p> <p>Company is planning to expert stamped /pressed sheet metal components and press tools.</p>	Year	Turnover (Rs. Crores)	Exports (Rs. Crores)	2003-04	2.53	-	2004-05	2.90	-	2005-06	2.66	-	
Year	Turnover (Rs. Crores)	Exports (Rs. Crores)												
2003-04	2.53	-												
2004-05	2.90	-												
2005-06	2.66	-												

76. THE SUPREME INDUSTRIES LIMITED



The Supreme Industries Limited Technology Centre

COMPANY INFORMATION:

- Name of the organization: **THE SUPREME INDUSTRIES LIMITED (TECHNOLOGY CENTER)**
- Address of the Corporate office / HQ:
**1101,1161 & 1162 Solitaire Corporate Park,
167 Guru Hargovindji Marg,
Andheri Ghatkopar Link Road, Chakala, Andheri (East),
Mumbai 400 093, INDIA.**
- Phone/Fax/E-Mail: (022) 67710000/ 4043000,
Fax: (022) 67710099/40430099
E-mail: supreme@supreme.co.in
- Address of the Unit: **Same as above**
- Phone/Fax/E-Mail: **Same as above**
- Contact Person's Details : **Mr. BARUNKUMAR BHOUMIK
C E O TECHNOLOGY**
Cell : 9820338078
Phone Dir. : (022) 67710151/40430151
E-mail : bk_bhoumik@supreme.co.in
- Year of establishment : **1942 &
Technology Centre : 1989**
- Date & Nature of Commercial Production:
Date:Sept.1989 (Tech.Centre)
Nature: Commercial Tool Room/ Captive Tool Room / Others (Pl. Specify)
- Technical Collaboration with (name & address) & since when:

We are Licensee of Schoeller-ARCA, Germany

PRODUCTS AND SERVICES

Design of Moulds for

- Automotive Components
- Electronic Appliance parts
- Air conditioner & Refrigerator components
- Moulded Furniture
- Crates
- PVC Pipe Fittings
- Food Service ware Thermo-forming Tools

Material Substitution

Replacing heavy metal components with lightweight low cost plastic parts.

Application Area

Automotive Components

4 wheelers : Radiator grills, interior trim, scuff plates, mudguards, mud- flaps, corner bumpers, bezels, instrument panels, glove boxes and lids, water deflectors, body protectors, etc.
2 wheelers : Handlebar covers, seat trim, mudguards, shields, seat bases, etc.

Electronic Appliance parts

Washing Machine Base, Balancer Cases, Door Windows, Door Bezels, Lids, Cabinets for TV's, computers and Audio Systems, Water Heater Exterior.
Air Conditioner & Refrigerator components
Front grills, kick plates, chill trays, etc.

Moulded Furniture

Garden furniture, mass seating systems, children furniture.



Crates

Industrial crates, special purpose & custom-developed crates.

PVC Pipe Fittings

Fittings for agricultural, SWV, SWR, ASTM and plumbing pipes.

Food Service ware Thermoforming Tools



Major Strengths

New generation CAD systems are employed to create 3D models of both cavity & core speedily, & accurately matched to specifications. Designs are then brought to life at the center's sophisticated Machine Shop. The world's most advanced intricate form machining equipment shapes the mould into reality using powerful 3D software. CNC machines deliver precision that is measurable in microns.

Mould providing and trial is undertaken on an intensive & extensive basis: using facilities comparable with the best in the world.

To enhance the Center's formidable capabilities even further, electronic digitizing equipment & a large die-spotting machine will soon join the existing fleet of sophisticated hardware.

Supreme Technology Center having vast experience is in all aspects of mould design.

Moulding machine capacity 80 T to 2800 T. & Total No. of machines - 150 Nos.

Major Customers

- Jata Motors
- General Motor India Limited
- Fiat India Limited
- Bajaj Auto
- Kelvinator
- Philips
- Whirlpool
- National, Panasonic
- Amtrex

- Maruti Udyog
- Hindustan Motors
- Daewoo Motors Limited
- Kinetic Engineering
- LML Limited
- Videcon
- Electrolux
- Racold
- Carrier Aircon



SUPREME TECHNOLOGY CENTER
Supreme Technology Center is the largest mould manufacturer in India. It is the most advanced unit of its kind in the country. Having over 150 years of experience in the field of mould manufacturing, we have a rich history of providing quality services to our clients. We are equipped with the latest CAD/CAM software, 3D form CNC machining equipment, in-house injection molding & CNC mills, with digital imaging equipment with various software & other supporting systems.

Whether creating a challenging product line or world class moulds or creating engineering moulds for your production needs, Supreme ensures the best quality products with superior facilities.



Infrastructure

Technology centre is located in Mumbai.
Supreme Technology centre employs 10 technical manpower for design and development.

Design

Softwares	
I-DEAS	Inventor Services
Tebis	Mold flow Analysis
Command	Pro-E

Technology Arrangement

- Joint Venture
- Marketing
- Manufacturing Licence

Major Products

- Industrial Moulded Products
- Plastics Piping Systems
- Food Service ware
- Packaging Films
- Storage & Material Handling Crates
- Moulded Furniture
- Rigid PVC Films
- Cross Laminated Films
- Protective Packaging Products
- Patro Chemicals



Financial for Supreme Industries Group

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	890.8	68
2004-05	900.9	73
2005-06	1019.3	84.19

Export Markets

- Middle East Countries
- Australia
- Sri Lanka
- USA
- Singapore
- African Countries
- Newzealand
- Bangladesh
- UK



Export production Target 20 % of total production within 3 years time.

Manufacturing units in Supreme Group

17 Nos. of manufacturing facilities all over the country out of which 9 Nos. are mould shops

Major machineries of Supreme Group

Name of Machine	No. of Machines
Injection Moulding m/c	125
Extrusion m/c	20
Thermoforming m/c	25
Ultrasonic Welding m/c	4
Sheet rolling m/c	10



77. TATA MOTORS LIMITED

COMPANY INFORMATION:

Name of the organization: TATA MOTORS LIMITED

Address of the Corporate office / HQ:
Bombay House, 24 Homi Mody Street,
Mumbai 400001

Phone/Fax/E-Mail: + 91-22 56658282 / +91-22 56657775

Name & Designations of key persons: CMD / MD / GM / Directors etc.
Mr. Ravi Kant

Address of the Unit: Tata Motors Limited, Pimpri, PUNE 411018

Phone/Fax/E-Mail: +91-20 5613 1111 (Board Phone)

Contact Person's Name/Designation/ Phone/ Fax / E-Mail:
Mr. H C Pande DGM (PE & CTED)
Phone No. +91-20 5613 2703
Fax No. +91-20 5613 1931 hcpande@tatamotors.com

ESTD. 1965

TATA MOTORS
LIMITED

PRODUCTS & SERVICES :

We Design and Manufacture
Plastic Injection Moulds for
Automobile, white Goods,
luggage, SWR fittings, & other
Industrial Products.

Dear Tool Manufacturer, Designer, Exporter and User

We are glad to announce through this Questionnaire that the Tool Manufacturers of India have been provided an opportunity to share information for the common cause of making this little known but significant impacting industry a tooling destination of the world.

As a first initiative Department of Scientific and Industrial Research (DSIR), Ministry of Science & Technology, Govt. of India, Technology Export and Development Organisation (TEDO a sister wing of DSIR), National Productivity Council of India and the Tool & Gauge Manufacturers Association (TAGMA) organized an international workshop on "India the Future Tooling Destination" in Mumbai coinciding with the 4th Die & Mould India International Exhibition on 1st March 2004.

The international workshop brought forth the following important points:

1. The India tooling industry needs to consolidate its position to become a forerunner in the Tool Design and Manufacture.
2. A consolidated effort needs to be made to develop database for the tooling industry for developing benchmarks and for helping to showcase the strengths through the various international forums such as FADMA, ISTMA etc. Indian Tool Industry has no authentic data base for presentation at world fora at present.
3. Consolidated data can provide feedback and highlight needs in terms of technical training, tool design, materials, R&D, impetus for exports, networking with National & International bodies, State & Central governments etc.

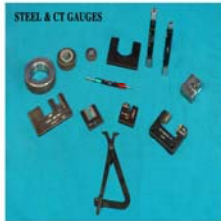
The Tool industry is a high value addition service and calls for sophisticated brains and technology to design Tools of highest order. Use of integrated services for tool design could be an important initiative to compete with the world tool designers. In fact we need to move a step further to patent latest tool designs meeting the requirement of the customers globally in terms of Quality and Cost. With this objective in mind Department of Scientific & Industrial Research (DSIR), Ministry of Science & Technology, Govt. of India, has commissioned this survey. National Productivity Council of India is carrying out this survey on behalf of DSIR. It is requested to provide all possible support to National Productivity Council.

Ashwani Gupta, Scientist 'F',
Department of Scientific & Industrial Research (DSIR), New Delhi
Phone: 011 26866123 / 26567373

Production Engineering Division: TATA MOTORS Ltd, PUNE
MACHINE LIST

Sr No.	M/c Description	INDEX	
		Table Size in mm	X Y Z Size in mm
1	Schuler Press 2000 T High speed Single Action Try out press with Simulation Facility	4600 x 2400	
2	Clearing Press 650 T Double Action (Mech)	2700 x 1650	
3	Clearing Press 800 T (Mech)	2700 x 1500	
4	Clearing Press 1100 T Double Action (Hyd)	3400 x 2250	
5	Schuler Press 1400 T Double Action (Mech)	4000 x 2400	
6	Muller Spotting Press 50 T - 4 Nos.	4000 x 2100	
7	IBGEC Press 100 T (Spotting Press) - 2 Nos.	4500 x 2500	
8	Sip Jig Boring - Hydroptic - 2 Nos.	1100 x 840	
9	Sip Jig Boring - 740 CNC - 2 Nos.	1600 x 1240	1500 x 1000 x 900
10	Deckle Milling & Boring	780 x 375	
11	Maho 1000 Mill & Boring - 2 Nos.	1250 x 740	
12	Maho 700 Mill & Boring	760 x 475	
13	Boko Mill & Boring - 6 Nos.	1600 x 800	1780 x 712 x 850
14	Charmilles Spark Erosion	600 x 400	
15	MMT Spark Erosion	2500 x 1200	1000 x 300 x 625
16	Russian Thread Grinder	200 Dia x 500	
17	Sluder Cylindrical Grinder - 2 Nos.	200 Dia x 500	
18	WMW OC Planer	4000 x 1600	
19	WMW OC Planer	5000 x 2500	
20	Schermann Boring - TM3	2500 x 1500	2500 x 1600 x 1000
21	Schermann Boring - TM4	3000 x 1500	3000 x 2000 x 1000
22	Schermann Boring - TM5	4500 x 2700	4000 x 2500 x 1300
23	Fos Plano Milling	1600 x 4000	
24	Skoda Boring	8000 x 3770	800 x 4150 x 2000
25	TATA COP - CNC 3 D Machining - 2 Nos.	5000 x 2800	3650 x 2150 x 620
26	TATA DIGMILL - CNC 3 D Machining - 2 Nos.	6000 x 2800	4500 x 2900 x 820
27	5 Axis H S CNC Die Finishing m/c Ramapad	4500 x 2500	5000 x 2700 x 1250
28	Rambaud - CNC 3 D Machining - 3 Nos.	6500 x 1800	4000 x 2000 x 1100
29	5 Face Multicenter - SNK CNC	5000 x 2500	6250 x 3700 x 800
30	5 Axis CNC Mic - Drupp & Rein		
31	5 Axis CNC Mic - Sachman		
32	CNC Boko Mill & Boring	3380 x 1400	3000 x 1400 x 1900
33	CNC Gas Cutting Machine	3000 x 5000 - 300 Thick	
34	Profile Gas Cutting Machine	3000 x 5000 - 250 Thick	
35	Surface Grinder - WMW	750 x 1500	
36	Cylindrical Grinders - Parshudh	250 Dia x 600	
37	Cylindrical Grinders - HMT G13.G17.T05	400 Dia x 1000	
38	Int Cylindrical Grinder WMW VEB S1125	125 x 175	
39	Int Cylindrical Grinder WMW Sp 315 x 500	300 Dia 500	
40	CNC Laser cutting Machine - 5 Axis	4000 x 2000	4100 x 2250 x 800
41	CNC Laser cutting Machine - 5 Axis		
42	ZEISS - 3 Axis Co ordinate Measuring M/c	6000 x 3000	5400 x 2700 x 2400

78. TOOL & INSTRUMENTS COMPANY



STEEL & CT GAUGES



HSS & CT CUTTING TOOLS

COMPANY INFORMATION :

Name of the organization: TOOL AND INSTRUMENTS COMPANY

Address of the Corporate office / HQ: A-10 SIDCO INDUSTRIAL ESTATE, VILLIVAKKAM, CHENNAI - 600049

Phone/Fax/E-Mail: 044-26172591/Fax 26171097/toolins@rediffmail.com

Contact Person's Details: N.S. SUNDRAM , CHIEF EXECUTIVE

ESTD. 1980

TOOL AND INSTRUMENTS COMPANY

PRODUCTS & SERVICES :

Mfrs : HSS & Carbide Cutting, Tools, Gauges, Profile Ground Form Tools, Industrial Knives.

APPLICATION AREAS (with full details of products) :

Plastic Products: Electrodes

Electronics:

Automobile: Major Customers Cutting Tools, Gauges

Auto Ancillary: Major Customers Cutting Tools, Gauges

Electrical Instrumentation :

Telecommunication:

Medical Equipment : few items

White Goods Industry:

Intelligent Toys:

Any Others (Pl. give details): KNIVES FOR PACKAGING INDUSTRY



INDUSTRIAL KNIVES

ACHIEVEMENTS / MAJOR STRENGTHS

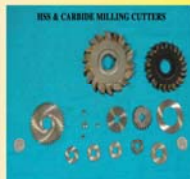
IMPORT SUBSTITUTION FOR ATOMIC POWER THORIUM TUBE CUTTERS/ NIBBLING TOOL/ CARBIDE MILLING CUTTER OF 5MM DIA.

INSTALLED CAPACITY

3.00 Crores/Annum



CT PORT CUTTERS



HSS & CARBIDE MILLING CUTTERS

MANUFACTURING FACILITIES

Complete manufacturing of Cutting Tools and Gages

Turning, Milling, Shaping, Grinding



STEEL & CT GAUGES



HSS & CT CUTTING TOOLS



HSS & CARBIDE PROFILE TOOLS



STEEL & CT GAUGES

FINANCIAL

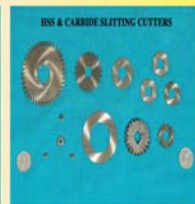
Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	0.44 Crores	Nil
2004-05	0.59 Crores	Nil
2005-06	0.76 Crores	Nil

EXPORT(S) & FUTURE POTENTIAL

Good Potential is there. Market has to be tapped. Already we have supplied core pins for syringes to dubal and fixed snap gauges to Australia.

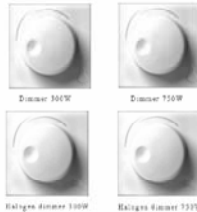


CARBIDE DRILLS & REAMERS


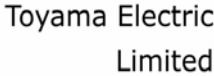


HSS & CARBIDE SLITTING CUTTERS

79. TOYAMA ELECTRIC LIMITED



Dinsner 300W Dinsner 750W
Halogen dimmer 100W Halogen dimmer 250W

COMPANY INFORMATION:

Name of the organization: Toyama Electric Limited

Address of the Corporate office / HQ:
36 A, KIADB Industrial Area, Hoskote - 562114 Bangalore.

Phone/Fax/E-Mail: 7971466 / 7971749

Address of the Unit: 36 A , KIADB Industrial Area,
Hoskote - 562114 Bangalore.

Phone/Fax/E-Mail: 080- 7971749

Contact Person's Details: Mr. Mustafa kamal (Executive Director)

PRODUCTS & SERVICES :

Electrical Modular switches
Transformers
Moulds & Dies

APPLICATION AREAS (with full details of products) :

Plastic Products: Injection Moulds & Dies, Switches.

Electronics: Transformers

Automobile: Moulds & Dies

Auto Ancillary: Press components and tool moulds.

Electrical Instrumentation: Power Transformers for mobile and laptop chargers


Telecommunication: Communication Transformers

Medical Equipment:

White Goods Industry:

Intelligent Toys:

Any Others (Pl. give details):



ACHIEVEMENTS / MAJOR STRENGTHS

- Concurrent design & manufacturing Product design, Part design, Mold design & CAM integrated using PRO-e
- ISO 9001:2000 certified company.
- We follow Kaizen Methodology & JIT.
- Products are rated as best switches in the market.

INSTALLED CAPACITY

60 70 moulds/year

MAJOR CUSTOMERS

ITI
Indo US Mimtec
Alcatel
Digital
TYCO
WIPRO
Grind well Norton Ltd
TTK Health Care ITd

INFRASTRUCTURE Including MAJOR MACHINERIES

- Vertical Machining Center - Deckel Maho DMC 63V
- WIRE Cut - Fanuc Robocut
- EDM Charmilles Engemaq
- Grinder - ELB Schillf
- Conventional Machines Lathe, Milling,
- Cylindrical Grinding, Surface Grinding, Drilling

MANUFACTURING FACILITIES

- 30 Ton High speed Press- Bruderer
- 16 Ton press- Godrej
- 30 Ton press Lamba
- 50 Ton INJ Molding Cincinnati Milacron-2nos
- 110 Ton INJ Molding-2nos- Cincinnati Milacron-2nos

FINANCIAL

Year	Turnover (Rs. Lakhs)	Exports (Rs. Lakhs)
2003-04	772.05	-
2004-05	701.47	-
2005-06	746.79	-

EXPORT(S) & FUTURE POTENTIAL


Products already exported to Srilanka, Nepal, Dubai, Italy & Saudi Arabia.







80. ULTRA ENGINEERS (UNIT II)



COMPANY INFORMATION:

Name of the organization: Ultra Engineers (Unit II)

Address of the Corporate office / HQ: Sector No. 10, Plot No. 68, PCNTDA, Bhosari, Pune - 26

Phone/Fax/E-Mail: (020) 66313600 / 01, Fax (020) 66313602

Address of the Unit: Ultra Engineers, Sector No. 7, Plot No. 173, PCNDTA, Bhosari, Pune 411 026

Phone/Fax/E-Mail: (020) 2712 8824, Telefax (020) 2712 6525

Contact Person's Details: 1) Mr. P. N. Bhosale
Mr. D. P. Shetty

Ultra Engineers (Unit II)

**APPLICATION AREAS
(with full details of products) :**

- Plastic Products:
- Electronics:
- Automobile:
- Auto Ancillary:
- Electrical Instrumentation:
- Telecommunication:
- Medical Equipment:
- White Goods Industry:
- Intelligent Toys:
- Any Others (Pl. give details):

PRODUCTS & SERVICES :
Wind Mill Parts & Accessories

ACHIEVEMENTS / MAJOR STRENGTHS

- Mould Design, Modelling & Machining with following Software Support
- DELCAM Powermill & Powershape (modeling & Programming)
- Pro-E, Ideas
- Auto Cad 2000
- Fine APT for wire cut

MAJOR CUSTOMERS

- Suzlon Energy Limited
- Bharat Forge Limited
- ASB International Limited

FINANCIAL

*(Data includes group turn over, including value of castings & machining of castings & tool amortization charges)

Year (Crores)	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	1.45	-
2004-05	3.12	-
2005-06	18.98	-

R & D EXPENDITURE & FACILITIES

Year	2003-04	2004-05	2005-06
Expenditure (Rs. Crores)	0.10	0.20	0.30

EXPORT(S) & FUTURE POTENTIAL

Wind Mill Parts & Accessories

Machineries

#	MACHINE	TABLE SIZE	MACHINE LEAST COUNT	NO. OF BNC
1	PRO-E CAD / SURFACE FINISH / JAGGER & ROSET (PRO) - TURNER	1200	10000000000	01
2	PRO-E CAD / SURFACE FINISH / JAGGER & ROSET (PRO) - TURNER	1200	10000000000	01
3	PRO-E CAD / SURFACE FINISH / JAGGER & ROSET (PRO) - TURNER	1200	10000000000	01
4	PRO-E CAD / SURFACE FINISH / JAGGER & ROSET (PRO) - TURNER	1200	10000000000	01
5	PRO-E CAD / SURFACE FINISH / JAGGER & ROSET (PRO) - TURNER	1200	10000000000	01
6	PRO-E CAD / SURFACE FINISH / JAGGER & ROSET (PRO) - TURNER	1200	10000000000	01
7	PRO-E CAD / SURFACE FINISH / JAGGER & ROSET (PRO) - TURNER	1200	10000000000	01
8	PRO-E CAD / SURFACE FINISH / JAGGER & ROSET (PRO) - TURNER	1200	10000000000	01
9	PRO-E CAD / SURFACE FINISH / JAGGER & ROSET (PRO) - TURNER	1200	10000000000	01
10	PRO-E CAD / SURFACE FINISH / JAGGER & ROSET (PRO) - TURNER	1200	10000000000	01
11	PRO-E CAD / SURFACE FINISH / JAGGER & ROSET (PRO) - TURNER	1200	10000000000	01
12	PRO-E CAD / SURFACE FINISH / JAGGER & ROSET (PRO) - TURNER	1200	10000000000	01
13	PRO-E CAD / SURFACE FINISH / JAGGER & ROSET (PRO) - TURNER	1200	10000000000	01
14	PRO-E CAD / SURFACE FINISH / JAGGER & ROSET (PRO) - TURNER	1200	10000000000	01
15	PRO-E CAD / SURFACE FINISH / JAGGER & ROSET (PRO) - TURNER	1200	10000000000	01
16	PRO-E CAD / SURFACE FINISH / JAGGER & ROSET (PRO) - TURNER	1200	10000000000	01
17	PRO-E CAD / SURFACE FINISH / JAGGER & ROSET (PRO) - TURNER	1200	10000000000	01
18	PRO-E CAD / SURFACE FINISH / JAGGER & ROSET (PRO) - TURNER	1200	10000000000	01
19	PRO-E CAD / SURFACE FINISH / JAGGER & ROSET (PRO) - TURNER	1200	10000000000	01
20	PRO-E CAD / SURFACE FINISH / JAGGER & ROSET (PRO) - TURNER	1200	10000000000	01

Inspection Facility (STANDARD ROOM):

S/N	Instrument	Qty	L/C
1	Micro Scope (Digital)	1 No.	100000
2	Micro Scope (Digital)	1 No.	100000
3	Micro Scope (Digital)	1 No.	100000
4	Micro Scope (Digital)	1 No.	100000
5	Micro Scope (Digital)	1 No.	100000
6	Micro Scope (Digital)	1 No.	100000
7	Micro Scope (Digital)	1 No.	100000
8	Micro Scope (Digital)	1 No.	100000
9	Micro Scope (Digital)	1 No.	100000
10	Micro Scope (Digital)	1 No.	100000
11	Micro Scope (Digital)	1 No.	100000
12	Micro Scope (Digital)	1 No.	100000
13	Micro Scope (Digital)	1 No.	100000
14	Micro Scope (Digital)	1 No.	100000
15	Micro Scope (Digital)	1 No.	100000
16	Micro Scope (Digital)	1 No.	100000
17	Micro Scope (Digital)	1 No.	100000
18	Micro Scope (Digital)	1 No.	100000
19	Micro Scope (Digital)	1 No.	100000
20	Micro Scope (Digital)	1 No.	100000


STAFF DETAILS:


Sl. No.	Designation	Qty
1	CEO	1 No.
2	Manager	1 No.
3	Manager	1 No.
4	Design Engineer	1 No.
5	Programmer	1 No.
6	Supervisor	1 No.
7	QC Inspector	1 No.
8	Material Labourer	1 No.
9	Tool/Die Labourer	1 No.

Specialties:

- 1. Mould Design, Modelling & Machining
- 2. With following softwares support
- 3. DELCAM Powermill & Powershape (Modeling & Programming)
- 4. Pro-E, Ideas
- 5. Auto Cad 2000
- 6. Fine APT for wire cut

81. VANULA TOOLS & MOULDS PVT. LTD.





COMPANY INFORMATION:

Name of the organization: VANULA TOOLS & MOULDS PVT LTD


Address of the Corporate office / HQ 93-A, MITTAL TOWER, NARIMAN POINT, MUMBAI-400021

Phone/Fax/E-Mail: 022-22824421 FAX: 022-22885043
coffice@indiandiecasting.com

Address of the Unit: C/o. Sipra Engineers Pvt Ltd (Group Company) 34-C, MIDC, Area, Satpur, Nashik - 422007

Phone/Fax/E-Mail: 0253-6610666 FAX: 0253-6610659

Contact Person's Details: MR. SITARAM B SHAH



ESTD. 1982

VANULA TOOLS & MOULDS PVT LTD


Date & Nature of Commercial Production 1985

PRODUCTS & SERVICES :
PDC Moulds Maching Jigs/ Fixtures etc.

APPLICATION AREAS (with full details of products) :

Plastic Products:
Electronics:
Automobile : Aluminium Pressure Diecastings & Components are used in all these industries extensivity. We are supplying these castings & components to original equipment manufactures (OEMs) We manufacture PDC moulds & Tools for the above purpose.

Auto Ancillary:
Electrical Instrumentation:
Telecommunication:
Medical Equipment:
White Goods Industry:
Intelligent Toys:
Any Others (Pl. give details): Whatever parts are in Aluminium or getting converted from iron to aluminium & require bulk production or identical finish (where tooling cost is possible) PDC process is selected and we manufacture tools & moulds accordingly




ACHIEVEMENTS / MAJOR STRENGTHS

40/50 nos pressure Die Casting moulds commissioned for production every year.
For reputable global Customers.

INSTALLED CAPACITY

50 Tools per year for PDC machines of sizes from 90 Tonne to 800 Tonne.

MAJOR CUSTOMERS

TATA Motors
Piaggio Greaves
Mahindra & Mahindra Ltd
Tyco
Keihin Fie ltd

INFRASTRUCTURE including MAJOR MACHINERIES

Unigraphic CAD/CAM Design facility
CNC Makino Machines
Spark Erosion Machine
Milling & grinding machines.

MANUFACTURING FACILITIES

Separate Tool Manufacturing Center
Moulds are tried in house
Heat treatment facility is obtained from subcontractors.

FINANCIAL

(Data includes group turn over, including value of castings & machining of castings & tool amortization charges)

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	22.30 1.25	8.10
2004-05	22.60 1.25	10.50
2005-06	26.40 1.25	11.05

TECHNOLOGY ARRANGEMENT / PARTNER (S)

In House facilities

EXPORT(S) & FUTURE POTENTIAL

Capacity to be doubled is 3/5 years for captive as well as commercial consumption
A separate division of the group may be carved out of existing group activity.



82. VASANTHA TOOL CRAFTS PVT. LTD.



Vasantha Tool Crafts Pvt. Ltd.

Capability

Vasantha Tool Crafts designed and manufactured more than 650 precision injection moulds (Hot Runner and Cold Runner Moulds) of high productivity and caption for various applications.

Design, Manufacture and Testing of Injection Moulds from clamping force of 450 kn to 2500 kn capacity and the single mould having a maximum weight of 2 tonnes.

Application

Automobile
Packaging Industry
Electrical Switchgear
Health Care & Medical
Research Labs

Home Appliances
Writing Instruments
Battery
Railways

Installed Capacity

200 Moulds per annum

Major Customers

Home Appliances
BPL Electronics Ltd.
Indian Refrigerator Company Ltd.
Voltas Limited

Godrej & Boyce
Videocon Appliances
Whirlpool India

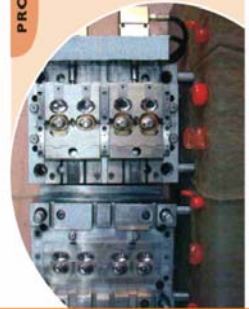
Packaging Industry

Cavin Kare India Limited
Essel Propack Limited
L'Oréal India Limited
Precious Plasto Packing
Smit Ship
Uni Parco

Colgate Palmolive India Ltd.
Hindustan Lever Limited
MCHBQAZVIN
Radhika Plastics
Uni Lever
Harman Plastic Industries

PRODUCTS AND SERVICES

Injection Moulds
Aluminum Dies
Casting Dies
Precision Dies
Precision Machined
Mechanical Components



Writing Equipments

AW Faber Castel India
Lucas-TVS Ltd.
Schneider Electric India Private Ltd.
Simco

LINC Pens & Plastics Limited
Larsen & Toubro Limited
Siemens India Limited



Battery

Hyderabad Batteries Limited
Vijay Industries

Indo National Limited



Health Care & Medical

Godrej Saraie
Larsen & Toubro Limited
Himalaya Drug Company

Johnson & Johnson
Romsons Sci & Surg. Ind. (P) Ltd.



Public Sector Units

Bharat Dynamics
Indian Railways

Defence Research & Development Org.



Design

Latest design software like Pro engineer, Autocad, Unigraphics and Mould flow analysis. 14 design work stations out of which 8 CAD/CAM workstations that are successfully integrated with high-end CNC Machining Tools. This capability ensures confidence of cavity to cavity and mould to mould components interchangeability.

Manufacturing Facilities

CNC Milling Machines
Cylindrical Grinding Machines
Surface Grinding Machines
Center Lathes
CNC Die Sinking
CNC Roboff 390 (Wirecut)
Profile Projectors
Microprocessor controlled injection moulding machines
Three-dimensional Coordinate Measuring Machine
Other complete range of inspection & testing materials.

Electro Discharge Machines
Jig Grinding Machines
Milling Machines
Vertical Drilling Machines
CNC Roboform 35F (Wire Cut)
Radial Drilling Machines



Financial

Year	Turnover (USD)	Exports (USD)
2002-2003	1116797	41809
2003-2004	2245433	175788
2004-2005	4153135	175660



Technology Arrangement

Joint Venture
Manufacturing licence
Marketing



Possible Export Potential

United States of America
United Kingdom
Italy
Germany
France
Egypt
Canada
Middle East Countries
Asian Countries



83. VIPUL – S PLASTOCRAFTS PVT. LTD.

COMPANY INFORMATION:

Name of the organization: VIPUL-S PLASTOCRAFTS PVT. LTD.

Address of the Corporate office / HQ: H-183, Tathawade, Tal- Mulshi, Dist Pune 411 033

Phone/Fax/E-Mail: +91 20 2293 2212/ 2184 / 4270

Address of the Unit: Same as above

Phone/Fax/E-Mail: Same as above

Contact Person's Details: Mr. T. P. Vijayan Managing Director

VIPUL-S PLASTOCRAFTS

PVT. LTD.

Date & Nature of Commercial Production 1989

APPLICATION AREAS
(with full details of products) :

Plastic Products: Yes

Electronics: Yes

Automobile: Yes

Auto Ancillary: Yes

Electrical Instrumentation: Yes

Telecommunication: Yes

Medical Equipment: Yes

White Goods Industry: Yes

Intelligent Toys: Yes

Any Others (Pl. give details):

PRODUCTS & SERVICES :

Plastic Injection Moulded Components for Automobile Sector & Engineering Industries

ACHIEVEMENTS / MAJOR STRENGTHS

One of the major suppliers of TATA Motors, TATA Auto Plastics

INSTALLED CAPACITY

700 MT/Year

MAJOR CUSTOMERS

TATA Motors, TATA Auto Plastics, Mahindra Sintered Products, Greaves Ltd., Spicer India Ltd., Matsushita Washing Machine Pvt. Ltd., Automotive Composite Systems Pvt. Ltd., Behr India Ltd., etc.

FINANCIAL

Year	Gross Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	9	-
2004-05	12	-
2005-06	17	-

R & D EXPENDITURE & FACILITIES

Year	2003-04	2004-05	2005-06
Expenditure (Rs. Crores)	0.015	0.025	0.55

LIST OF MACHINERY-MOULDING SHOP

Sr. No.	Description	Capacity	Make	Qty.	Remarks
01	Injection Moulding Machine with tie bar distance 900 mm and die height opening 1500 mm	850 Tons	Daiichi Japan	1	
02	Injection Moulding Machine with tie bar distance 725 mm and die height opening 750 mm	450 Tons	Boston Field	1	
03	Combi-Mold Micro Processor Injection Moulding Machine	200-Tons	USA	1	
04	Micro Processor Injection Moulding Machine	200-Tons	DKAP	1	
05	Micro Processor Injection Moulding Machine	180-Tons	DKAP	1	
06	Micro Processor Injection Moulding Machine	180-Tons	Winbest	3	
07	Micro Processor Injection Moulding Machine	175 Tons	High Tech	1	
08	Micro Processor Injection Moulding Machine with 300T 100 Controller	60 Tons	Italy	1	
09	Micro Processor Injection Moulding Machine	50 Tons	HINDATHA	3	
10	Micro Processor Injection Moulding Machine	50 Tons	Machinery	3	
11	Micro Processor Injection Moulding Machine	50 Tons	Machinery	2	
12	Electrical Control	50 Tons	Super Honda	1	
13	Injection Moulding Machine	50 Tons	DKAP	1	
14	Injection Moulding Machine	40 Tons	Winbest	1	
15	Injection Moulding Machine	40 Tons	Kanhai	1	
16	Injection Moulding Machine	35 Tons	DKAP	1	
17	Hydraulic Oil Purifier	ELC RLP	Exxon	1	
18	Control	LAB	LAB	1	
19	Temperature Controller	LAB	LAB	1	
20	Flow Damping Ocean	DKAP	Winbest	1	
21	Injection Gun	500 KVA	LAB	2	
22	Current	500 KVA	K. Irankar	1	

Sr. No.	Description	Capacity	Make	Qty.	Remarks
01	CNC Milling Machine with Fanuc Control Model 5030	Chromax 6V	Japan	1	
02	Electric Sparking Machine (EDM)	QSP 3000M	Electronica	1	
03	Electric Sparking Machine (EDM)	Model 3333	Electronica	1	
04	Milling Machine	Argus Milling 2.5	Argus Japan	2	One with EDM
05	Drilling Machine	500 x 400	Haribhai	1	
06	Surface Grinding Machine	4.5	Greesh Karam	1	
07	Centre Lathe	4"	Korim	1	
08	Centre Lathe	4"	PNC	1	
09	Centre Lathe	5"	Srinivas	1	
10	Centre Lathe	4.2"	Srinivas	1	
11	Lathe Machine	3/4 W/11	Srinivas	1	
12	Radial Drilling Machine	35 mm	Machine	1	
13	CNC Milling		Machine	1	
14	Wire Cutting		Machine	1	
15	Surface Grinder (China)	300x200	Shingapore	1	
16	Drilling Machine	50	Haribhai	1	
17	HR 4.5 Drilling	600 mm	Haribhai	1	
18	Bevel Driller	200 T	Haribhai	1	
19	Lead & Lathe Grinder	UNW 500P	Srinivas	1	
20	Cylindrical Grinder	Shigamon	England	1	
21	100 KVA Current	K. Irankar	India	1	
22	Coordinate Measuring M/C	Crytac C-364	Ministero	1	
23	1000 T 1.2 Injection Press	Ministero	Ministero	1	
24	Profile Press	PJA 3010P-300	Ministero	1	
25	Height Gauge 300	L.H-5000S	Ministero	1	

84. VISHAL PRECISION PRODUCTS PVT. LTD.



COMPANY INFORMATION:

Name of the organization: VISHAL PRECISION PRODUCTS PVT LTD

Address of the Corporate office / HQ: "GLORY MANOR" 113 A
KAVERI NAGAR, VK ROAD, PEELAMEDU, COIMBATORE-641004
INDIA.

Phone/Fax/E-Mail: 91-422-2512523 91-422-2513064 91-422-2513603
FAX: 91-422-2513853 Email: vppl@md3.vsnl.net.in
www.vishalprecision.com
<http://www.plastics-technology.com/contractors/moulds/vishal/>

Contact Person's Details: Mr. D. Jayaseelan-Managing Director
Mr. I. P.H. Milton Dy.General Manager



ESTD. 1993

VISHAL PRECISION PRODUCTS PVT LTD

Date & Nature of Commercial Production 1993

PRODUCTS & SERVICES :

Mfrs: Mould Base for Plastic Moulds
Die Housing for Die casting Dies and Plate diesets for press tools Jigs & Fixtures
Precision Machined Components
Press Tools & Gauges

APPLICATION AREAS (with full details of products) :

Plastic Products: Manufacturing mold bases, the end products is for as follows

Electronics: connector moulds

Automobile: Dash board parts

Auto Ancillary: carburetor body

Electrical Instrumentation:

Telecommunication: telephone parts

Medical Equipment: syringes

White Goods Industry: General precision plastic parts

Intelligent Toys: General toys components

Any Others (Pl. give details):

ACHIEVEMENTS / MAJOR STRENGTHS

TEAM
ISO 9001 CERTIFICATION
NSIC-CRISIL PERFORMANCE AND CREDIT RATING
WORKING TOWARDS ZERO DEFECT MANUFACTURING SYSTEM



INSTALLED CAPACITY

CNC VMC - 7 Nos (Makina S56, HASS, Lagun GBM14, Batliboi)
CNC Turning 1 No
Milling Conventional (roughing) 6 Nos
Milling Finishing - 8 Nos
Surface Grinding - 3 Nos
Cylindrical Grinding 2 Nos
Lathe - 2 Nos
Jig Boring - 4 Nos
Radial Drilling 2 Nos



MAJOR CUSTOMERS

1. Godrej
2. Sumi Motherson
3. Tyco Electronics
4. Molex
5. NTT
6. TAFE
7. PRICOL
8. LMW
9. G PLAST
10. SUBBROS
11. DIE TECH
12. OMNI MATRIX
13. MICRO PLASTICS
14. UCAL MACHINE TOOLS
15. LUCAS TVS.

EXPORT DESTINATION

1. MITSUBISHI, JAPAN
2. USA
3. DUBAI
4. ITALY

MANUFACTURING FACILITIES

CNC Turning 1 No
Milling Conventional (roughing) 6 Nos
Milling Finishing - 8 Nos
Surface Grinding - 3 Nos
Cylindrical Grinding 2 Nos
Lathe - 2 Nos
Jig Boring - 4 Nos
Radial Drilling 2 Nos



FINANCIAL

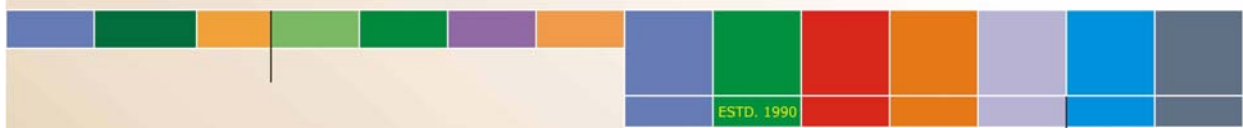
Year	Gross Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	4.92	0.47
2004-05	5.54	0.69
2005-06	5.78	1.01



EXPORT(S) & FUTURE POTENTIAL

TRY TO DEVELOP LOT OF EXPORT IN PRECISION MACHINED COMPONENTS, AS PER CUSTOMER DESIGN.

85. VRINDAVAN ENGINEERING WORKS



ESTD. 1990

VRINDAVAN ENGINEERING WORKS

COMPANY INFORMATION:

Name of the organization: VRINDAVAN ENGINEERING WORKS

Address of the Corporate office / HQ: 16/6, Nanded Phata, Sinhagad Road, Pune 41

Phone/Fax/E-Mail: 9371004911, anil@yahoo.com

Contact Person's Details: Anil B Kulkarni

PRODUCTS & SERVICES :
 Manufacturing of press tools, plastic injection moulds.

APPLICATION AREAS (with full details of products) :

Plastic Products: **YES**

Electronics: **YES**

Automobile: **YES**

Auto Ancillary: **NO**

Electrical Instrumentation: **YES**


Telecommunication: **YES**

Medical Equipment: **YES**

White Goods Industry: **YES**

Intelligent Toys: **YES**

Any Others (Pl. give details): -



Achievements / Major Strengths

Our dies will be OK in first trial only. Our economical and full proof design is our major strength.

Installed Capacity

We have all type of machineries required for tool room. Maximum capacity of Die is 400 x 450 base moulds suitable to SP 130 injection molding machines.

Major Customers

Emeson, Kobian ECS India Pvt. Ltd.,
 Dhariwala Electricals,
 Innlink Technologies Pvt. Ltd.,
 Total Impex,
 Vidali Entp.,
 JCB, KBX,
 Shree Plastics, etc.

INFRASTRUCTURE including MAJOR MACHINERIES

Milling, Lathes 3 nos., Surface grinders 2 nos., Spark eroding, drilling

MANUFACTURING FACILITIES

VMC, Wire Cut and big plate machining and grinding facilities are very easily available in near by area.

FINANCIAL

Year	Gross Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	0.045	-
2004-05	0.05	-
2005-06	0.058	-

EXPORT(S) & FUTURE POTENTIAL

If opportunity arises we are ready

86. WELMECH ENGINEERING COMPANY (PVT) LIMITED




COMPANY INFORMATION:

Name of the Organisation: Welmech Engineering Company Pvt Ltd

Address of the Corporate office/ HQ: 11 A/1, Sidco Industrial Estate, Ambattur, Chennai 600 098

Phone / Fax/ Email: 044 26256364 / 26252880
044 26253421 welmech@vsnl.com

Contact person's Details: Mr. R.G. Satagopan
Managing Director

ESTD. 1989

Welmech engineering company (Pvt) limited

Date & Nature of Commercial Production
1989

PRODUCTS & SERVICES :

The company is expert in making Plastic Injection Mouldings and Moulds.




APPLICATION AREAS (with full details of products)

Automobiles :

Auto components Engine / transmission Heat treatment

Auto Ancillary: As above



APPLICATION AREAS :

Automobiles : Auto components Engine / transmission Heat treatment

Auto Ancillary: As above



ACHIEVEMENTS / MAJOR STRENGTHS

Supplied a huge pit type furnace of size 12.5 Mtr dia x 10 Mtr depth for space project

Installed a Multi Chamber sealed quench furnace to a auto parts manufacturer.

Bogie hearth furnace of size : 5 M x 5 M x 20 M L to KSRC

Bogie hearth furnace of size: 6 Mx 6 M x 16 Mtr to ISCO, Kuwait

2 nos. Solution treatment furnace with common quenching tank to aluminum industry




INSTALLED CAPACITY :

Our is a custom built, tailor made equipments, so it will be manufactured as per the customers requirement/ specifications.



FINANCIAL

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003- 04	7.02	-
2004-05	12.76	0.734
2005-06	15.16	1.28



R & D EXPENDITURE & FACILITIES

Year	2003-04	2004-05	2005-06
Expenditure (Rs. Crores)	--	---	0.3



TECHNOLOGY ARRANGEMENT / PARTNER(S)

M/s. Consilidated Engineering Company , USA

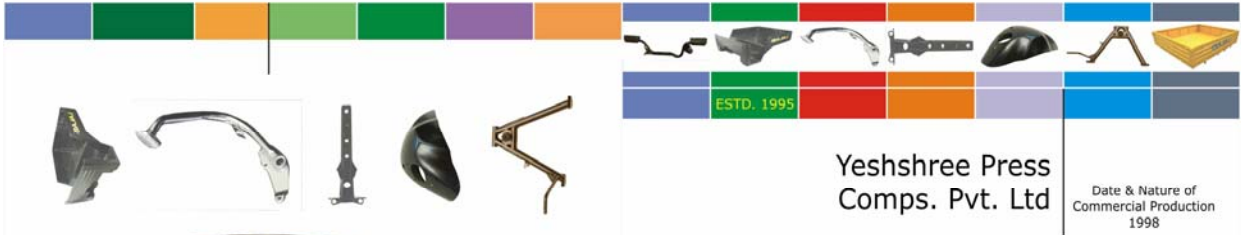
EXPORT(S) & FUTURE POTENTIAL

Very good

South Asian countries, UAE, Singapore, Egypt, Indonesia, Thailand, Mexico, Brazil, Spain , Canada etc.



87. YESHSHREE PRESS COMPS. PVT. LTD.



ESTD. 1995

Yeshshree Press Comps. Pvt. Ltd

Date & Nature of Commercial Production 1998

COMPANY INFORMATION:

Name of the organization: Yeshshree Press Comps. Pvt. Ltd

Address of the Corporate office / HQ: B- 48, MIDC Waluj, Aurangabad, 431136 Maharashtra.

Phone/Fax/E-Mail: Phone :-0240-2555810, Fax :- 0240-2554361, Email :- marketing@yeshshree.com,admin@yeshshree.com

Contact Person's Details: Mr. H M. Kank, Managing Director (MD) , B- 48 MIDC Waluj, Aurangabad 431136 Maharashtra, India

PRODUCTS & SERVICES :

3-wheeler heavy fabricated assemblies: RE Auto-rickshaw Body, FE Auto-rickshaw Body, Mega passenger Auto-rickshaw Body, RE Goods Carrier Tray, 4 wheeler Model K Brake Back Plate, 3 Wheeler M&M Alfa Brake Back Plate, Auto-rickshaw Front Mudguard, Auto-rickshaw Front Brake Shoe Holding Disc, 3 Wheeler Auto-rickshaw Starting Handle, 3 Wheeler Auto-rickshaw Connecting Tube.

Two wheeler motorcycles: Brake Pedal(Bajaj CT, AT, AR, Wind, Caliber 115, Eliminator), Center Stand (Bajaj CT, AT, AR, Wind, Caliber 115, Eliminator), Side Stand (Bajaj CT, AT, AR, Wind, Caliber 115), Shock Absorber bracket (Bajaj Eliminator), Rod torque (Bajaj Caliber 115, Wind), Bracket Guard, Gusset, Plate, Plate position(Bajaj Eliminator), Holder step (Rider step)(Bajaj CT, AT, AR, Wind, Caliber 115)

Cold forging items
Collar stop(2 Wheeler), Aluminum brake lever(Bicycle), Bolt cap(2 Wheeler), Stopper piece(Starter piece), Pole piece(2 & 4 Wheeler), Bearing cup(4 Wheeler), Aluminum Brake piston(4 Wheeler), Cap nut(2 Wheeler), Bearing race(2 Wheeler), Aluminum piston(4 Wheeler), Eye bolt(3 Wheeler), CAM WITH GEAR(Bicycle), Cam Follower Pin(2 Wheeler), Cam Follower Lever(2 Wheeler), Aluminium Fastening Cap(2 Wheeler).

APPLICATION AREAS (with full details of products) :

Plastic Products:

Electronics:..

Automobile: -Fully finished 3 wheeler Auto rickshaw Body -Fully finished 3 wheeler Goods Carrier Tray -Fully finished 2 wheeler Centre stand & Side stand -Fully finished 2 wheeler Brake lever -Fully finished 2 wheeler Foot rest - Fully Finished 3 wheeler & 4 wheeler -Back Plate of brake assembly

Auto Ancillary: -Fully finished 3 wheeler Auto rickshaw Body -Fully finished 3 wheeler Goods Carrier Tray -Fully finished 2 wheeler Centre stand & Side stand - Fully finished 2 wheeler Brake lever -Fully finished 2 wheeler Foot rest - Fully Finished 3 wheeler & 4 wheeler -Back Plate of brake assembly

Electrical Instrumentation:

Telecommunication:

Medical Equipment:

White Goods Industry:

Intelligent Toys:

Any Others (Pl. give details):

Cold forging items : Collar stop(2 Wheeler), Aluminum brake lever(Bicycle), Bolt cap(2 Wheeler), Stopper piece(Starter piece), Pole piece(2 & 4 Wheeler), Bearing cup(4 Wheeler), Aluminum Brake piston(4 Wheeler), Cap nut(2 Wheeler), Bearing race(2 Wheeler), Aluminum piston(4 Wheeler), Eye bolt(3 Wheeler), CAM WITH GEAR(Bicycle), Cam Follower Pin(2 Wheeler), Cam Follower Lever(2 Wheeler), Aluminium Fastening Cap(2 Wheeler).

ACHIEVEMENTS / MAJOR STRENGTHS STRENGTH :

Our core strength lies in our expertise at manufacturing with strong support from Design & Development, Tool Room, Surface treatment and Heat treatment. We have Presses ranging from 20 to 600 Tons, Knuckle Joint Presses, welding machines like MIG, TIG, CO2 welding, SPM Welding, CNC Pipe bending machine, Vertical machining centre etc.

ACHIEVEMENTS :

We are ISO 9001:2002 certified and in recent future we are going to get ISO/TS: 16949 Certification.

INSTALLED CAPACITY :

Plot Area : 9 Acre Build Up Area :- 50,000 sq.ft
Tool Design Capability : 80 Tool Design Per Month (Range 100 x 150 mm to 300 x 1500 mm) (Dia Design 4 nos, Dia Manufacture 10 nos,)

Welding Machines :- (Co2 100nos, SSW 25, ITG 30) (Robotic Welding 2nos)

Vertical Machining Center(1), ECO Cut(1), CNC pipe bending machine(1), DRO Milling M/c(1), Vertical Milling m/c(1), High Precision Surface Grinding(1), Radial Drill(1), Lathe m/c(1), Power Hack saw(1).Hydraulic Press(16 ton to 400 ton)

Mechanical Press (30 ton to 350 ton)

Robotic Plasma Welding machine

MAJOR CUSTOMERS

Bajaj Auto Ltd, Aurangabad, India.
Bajaj Auto Ltd, Pune, India.
Bajaj Tempo Ltd, Pune, India.
Piaggio Vehicles Pvt. Ltd. (PVPL) Baramati, India.
Bosch Group (Formerly Kalyani brakes Ltd, Jalgaon & Pune) India.
Remsons Industries Ltd. Gurgaon, India.
RSB Transmissions Ltd, Pune, India.
Endurance Transmission Ltd, Aurangabad, India.
Gaikie Industries, Aurangabad, India.

INFRASTRUCTURE including MAJOR MACHINERIES

Manufacturing Facilities for Sheet Metal & other Press Components

Hydraulic Press 400 Ton(1), Mechanical Press 315 Ton(1), Mechanical Press 200 Ton(2), Hydraulic Press- 150 Ton(1),

Mechanical Press 100 Ton(1), Mechanical Press 63 Ton(2), Press Break 30 Ton(1), Mechanical Press 30 Ton(5), Hydraulic Press 16 Ton(1), Power Press Brake(1), Crank Mechanical Press German Imported Presses 400 Ton(2).

Special Manufacturing Facility:

Robotic Plasma Welding cells for critical Assemblies & Rapid Prototyping

Manufacturing Facilities for cold forging Components :

Hydraulic Press- 500 Ton(1), Imported Knuckle Joint Press400Ton(1), German Imported Knuckle "May" Press-300 Ton(1), Hydraulic Press 300Ton(1), Mechanical Press- 150 Ton(1)

Major Machines : Vertical Machining Center(1), ECO Cut(1), CNC pipe bending machine(1), DRO Milling M/c(1), Vertical Milling m/c(1), High Precision Surface Grinding(1), Radial Drill(1), Lathe m/c(1), Power Hack saw(1).

MANUFACTURING FACILITIES

Design & Development facility : Software :

Solid Edge V18, Auto Cad 2004, Fast Blank, Blank Nest, Unigraphics NX3,

Manufacturing Facilities for Sheet Metal & other Press Components :

Hydraulic Press 400 Ton(1), Mechanical Press 315 Ton(1), Mechanical Press 200 Ton(2), Hydraulic Press- 150 Ton(1), Mechanical Press 100 Ton(1), Mechanical Press 63 Ton(2), Press Break 30 Ton(1), Mechanical Press 30 Ton(5), Hydraulic Press 16 Ton(1), Power Press Brake(1), Crank Mechanical Press German Imported Presses 400 Ton(2).

Special Manufacturing Facility:

Robotic Plasma Welding cells for critical Assemblies & Rapid Prototyping

Manufacturing Facilities for cold forging Components :

Hydraulic Press- 500 Ton(1), Imported Knuckle Joint Press400Ton(1), German Imported Knuckle "May" Press-300 Ton(1), Hydraulic Press 300Ton(1), Mechanical Press- 150 Ton(1)

Other Machines: Vertical Machining Center(1), ECO Cut(1), CNC pipe bending machine(1), DRO Milling M/c(1), Vertical Milling m/c(1), High Precision Surface Grinding(1), Radial Drill(1), Lathe m/c(1), Power Hack saw(1).

FINANCIAL

Year	Turnover (Rs. Crores)	Exports (Rs. Crores)
2003-04	53	-
2004-05	68	-
2005-06	85	-

