



#SB-44, 1st Cross, 1st Stage,
Industrial Estate, Peenya,
Bangalore - 560 058. INDIA
Tel : 91-80-28390944
Fax : 91-80-41272427
E-mail : 3dconcepts@vsnl.net
www.3dconcepttooling.com



3D CONCEPT TOOLING PVT. LTD.

MANUFACTURERS OF PDC, LPDC & GDC DIES

THE COMPANY

3D CONCEPT TOOLING PVT.LTD – A nodal center for high tech engineering solutions, within a span of eight years, our company has achieved the distinction of being the unique place for manufacturing complex aluminum die casting dies and sand core boxes using high end manufacturing technology.

3D CONCEPT TOOLING PVT.LTD - has excellent in-house facility for tool design, manufacturing capacity, apart from our facility we have located various machine shops all over south India for wide range of high tech and heavy machinery with large spare capacity to execute the jobs on priority under the planning and supervision of a experienced team of engineers assuring high quality and precision products.

3D CONCEPT TOOLING PVT.LTD with a current annual turnover of Rs.60 millions, we are expanding our resources in indigenization of complex dies & moulds with an anticipated growth of Rs.80 millions for next year.

The company has the ***state-of-the-art*** infrastructure to carry out the work in designing, planning, and manufacturing and has sound in-house facility for complete manufacturing activities & tool assemblies and is capable of manufacturing dies upto 2mts x 1mts profiles using CNC manufacturing. For 3D modeling and NC programming facility company has state of the art software and hardware facility at our CAD/CAM center and its team of qualified and experienced engineers can execute the job to the highest precision with very good competence.

THE PEOPLE

Mr. **C. Ravichandran** is the promoter of the company, having an experience of more than 20 years in the field of design and manufacturing of high-end tools and dies.

Beside him, the company has a team of qualified and experienced engineers from recognized Institutions like IIT in various fields of applications, and senior designers with an experience of over 30 years in the tooling industry.

Our engineers are well exposed in the area of CAD/CAM 3D surface & solids modeling, Parametric modeling, and have expertise in reverse engineering of components by laser digitizing, CNC part programming & execution on various CNC controls.

And our team of toolmakers has proven capabilities in their respective fields, in handling very complex and challenging jobs which were found impossible by other larger and long standing Organizations.



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SERVICES OFFERED

DIECASTING DIES & MOULDS.

- Design and manufacturing and validation of **HPDC & GDC & LPDC** dies and sand core boxes which requires very high end design capabilities and manufacturing expertise till the proving of the moulds at customer end.

Management Team

Name	Designation	Contact Details
Mr. RAVICHANDRAN. C	Managing Director	+91 98451 22026
Mr. VENKATESH. K	Director	+91 98451 32493
Mr. SURIANARAYANAN	Technical Advisor	

Registered Office & Works	SB 44, 1 st cross, 1 st Stage, Peenya Industrial Estate, Peenya, Bangalore-560 058, India
Telephone1	++91(0) 80 2839 0944
Telephone2	++91(0) 80 4127 2427
Fax	++91(0) 80 4127 2427
E-mail	3dconcepts@vsnl.net
	ravi.3dconcepts@gmail.com

Employees:	
Engineers	8 Persons
Supervisors	6 Persons
Tool makers	14 Persons
Skilled operators	25 Persons
Consultants	3 Persons

Turnover Rs. 70 million (2010-2011)

Misc Hardware :

High end desktops with Intel core 2 duo, 8 GB RAM, 500 GB HDD with DVD writers, LCD monitors and broadband internet - 9 Sets, Peripherals such as : High Density Scanners – 3Nos, HP Photo Quality Plotter A Super size 42” – 3 Nos, Laser Printers, Color bubble jet printers – 4nos and Ink Jet printers -3nos.



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TOOL ROOM MACHINES

MACHINES	TRAVERSE	Qty
WELE DOUBLE COLUMN MACHINING CENTER	2200 x 1600 x 900	1
LEAD WELL CNC machining Center	1200 x 600 x 600	1
DECKEL MAHO 63 V machining Center	630 x 510 x 510	3
PRODIS 1060 S HIGH SPEED MACHINING CENTER	1260 x 650 x 650	1
TAKUMI SEIKI V12 HIGH SPEED M/ CENTER	1260 x 660 x 650	1
OKK High Speed VMC	560 x 410 x 410	1
KAFO CNC COPY MACHINING CENTER	1000 x 500 x 500	1
OSCAR MAX CNC EDM	600 x 500 x 500	3
OSCAR MAX ZNC EDM	1300 x 1100 x 600	1
ELECTRONICA EDM	500 x 400 x 300	3
BFW Universal milling		1
MANFORD Tool room milling with DRO	700 x 300 x 400	3
MAGERLE Precision Surface Grinder	1600 x 650 x 400	1
Precision Surface Grinder	600 x 250 x 400	1
ESTEEM RADIAL DRILLING MACHINE DIA 60mm		1
OERLIKON Tool room radial drilling		1
KAIZER SCREW COMPRESSOR		1
Radial drilling, tool room drilling bench & Pneumatic grinders, Air compressor, Heavy-duty crane & trolleys, Diesel generator. Support elements such as Vices, boring bars, solid carbide cutting tools To handle complicated works efficiently.		

LEASED MACHINERY

CNC Milling:	LEADWELL	2500 X 1000 X 800
	DECKEL MAHO 63V	630 X 500 X 500
	MAKINO FX650	650 X 400 X 400
	MAKINO RMC55	600 X 320 X 400
	MAKINO MAX 700	650 X 450 X 400
CNC TURN:	STC 25 HMT	DIA 500 X 1000
	Makino INDEX	DIA600X1200
CNC EDM:	MAKINO EDNC64	



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	MAKINO EDNC32	
CNC CMM:	CARL ZEISS CNC CMM	
	Winzer	
CNC WEDM:	SODICK A320D	
	Electronica Euro cut	
JIG GRINDING:	MITSU SEIKI 3GB	
	HAUSER	

HEAVY DUTY:

BURKHARDT WEBBER CNC DBL COLUMN	3600 X 2750 X 1000
BURKHARDT WEBBER CNC DBL COLUMN	4000 X 3000 X 1000
DRUP & REIHN Floor boring	6000 X 4000 X 4000
WMW Surface grinding	4000 X 1000 X 1000
NAXOS UNION Cylindrical grinding	φ750 X 3000

SOFTWARE SUPPORT

1	Unigraphics ver 18.0 NX (Solids & Surface modeling, Assembly & NC code & verification)
2	PRO_E WILDFIRE 3 (Solids & Surface modeling, Assembly & NC code & verification)
3	DELTCAM V10
4	MECHANICAL DESKTOP (Autodesk) (Surface & Wireframe 3D modeling.)
5	MASTER CAM Version v7.2 (3 Axis surface machining and modeling)
6	CADMAX Version 9.0 (Solid modeling & Wireframe modeler)
7	VISUAL MILL version 11.01 (Outstanding 3d machining software with gouge correction)
8	Striker System (High speed Progressive Press tool designer with Unfolder for blanking tool)
9	Metalman V2 (Press tool designer with component unfolder for blanking design)
10	DNC SERVER (For communication between PC and Machine for NC Program down load and upload.)
11	CADEM-effiCNC (For drip feed software for 3D machining.)



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MANUFACTURERS OF PDC, LPDC & GDC DIES

OUR VALUED TIER - 1 & TIER - 2 CUSTOMERS



DAIMLER



Sona





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3D DIE CASTING SOLUTIONS FOR FOLLOWING SECTORS

