

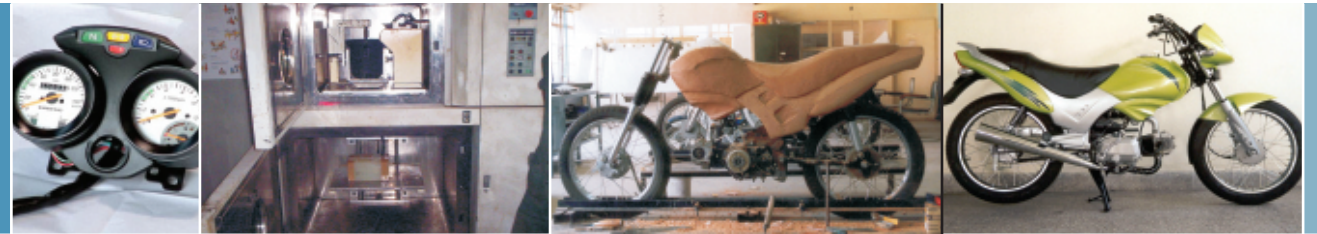


Toolink

CONCEPT TO PRODUCT



Toolink



Estb... : 1980

ISO : 9001



Kinetic Engineering Limited

Kinetic Engineering Limited is one stop shop for tooling solutions. Company is engaged in CAD/CAE/CAM, Tool Design, Dies, Moulds, JFG Manufacturing, Reverse Engineering, and Process Engineering.

Applications

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

Installed Capacity

48 dies per annum of 2000 x 1000 mm size

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
- Tata Motors
- General Motors- USA
- Eicher Motors
- Combined Engg.
- International Tractors Ltd.
- Force motors Ltd.
- Auto line
- KMCL

PRODUCTS AND SERVICES

Art to 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 Diffice.

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.



Technology Export Development Organisation

Plot No. 249 F, Sector 18, Udyog Vihar, Phase-IV

Gurgaon 122015 (Haryana)

Tel: 91-124-4014075 (D), 4014060-67, Fax: 91-124-4014080

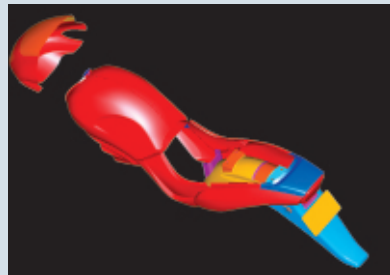
• E-mail : info@techbizindia.com • Website : www.techbizindia.com



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Infrastructure

Manufacturing unit is located in Chinchwad, Pune

Manpower

Kinetic Engineers Limited (Tool Room division) employs 52 Technical Manpower

Design Facilities

Software	Application
IDEA M9.0 & M10	3D Solid Surface Modelling & 2D Drafting
AUTO FORM 3.1	Sheet Metal Simulation
DIE DIFICE	PDC Die Gate Design Software
PRO ENGR	3D Parametric Solid Modelling
TEBIS 3.1 R11	CNC Tool Path Generation
IMAGEWARE 9 & 10	Reverse Engineering
ALLIES	Freeform Styling Software
AUTOCAD 2000	2D Drafting Software
Pro E 2001	Parametric Solid Modelling
CATIA V4 & V5	3D Surface modelling & Solid Modelling
Unigraphics UGNX & UG18	Styling Software
ANSYS 8.0	CAE simulation
LS DYNA	CAE Simulation
Hypermesh	CAE Simulation
ALIAS	J/F/G Design Software
Think Design	Reverse Engineering
ICEM Surf	Surfacing

Manufacturing Facilities

Major Machinery

▪ CNC Copy Milling Machines	▪ Wire EDM Machines
▪ CNC machining Centers (V)	▪ EDM Machines
▪ CNC Machining Centers (H)	▪ CNC tool & Cutter Grinding Machines
▪ Copy Milling Machines	▪ Coordinate Measuring Machines
▪ Jig Boring Machines	

Major Inspection and Testing Facilities

▪ Profile Projector	▪ Square Master Cylinder
▪ Vertical Height	▪ Surface Roughness Tester
▪ Comparator Stand	▪ Other measuring & testing equipments
▪ Measuring Pin Set	
▪ Slip Gauge Box	

Financials

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

Turnover

Year	Turnover (USD)
2004-2005	9,93,618
2005-2006	14,89,362

R & D Expenditure

Year	R & D (USD)
2004-2005	2,12,766

Exports

Soft Tools are exported to USA for General Motors.

Possible Export Potential

- Asia
- Europe

Technology Arrangement

- Joint Venture
- Manufacturing Licence
- Marketing

A CASE STUDY OF FUEL TANK

