



Technology Export Development Organisation

Plot No. 249 F, Sector 18, Udyog Vihar, Phase-IV Gurgaon 122015 (Haryana)

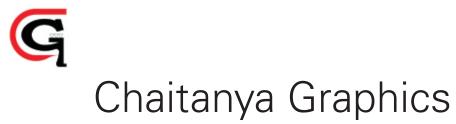
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Estb.. : 1998



Applications

- Automobile
- Electrical & Electronics
- Medical Equipments
- Fast Moving Consumer Goods
- Other need based industries

Installed Capacity

750 man-hour per week

Major Customers

Hindustan Aeronautics Limited	Icarus
National Aerospace Laboratories	Linco
VST Tillers & Tractors Ltd.	IFB
GE Power Controls	Hindu
Tehran Padena	South
Ganga Micro Electronics	Kirlos
X-Tra Reinforced Plastics Pvt Ltd.	TVSN
Mahindra & Mahindra	Asho
Titan	Seim

Infrastructure

Design Centre

Design centre is located in Bangalore.

Manpower

Chaitanya Graphics employs 17 Technical Manpower for Product Design & Development.

Software

CAD Packages

Pro-Engineer 2001, Wildfire	SolidWo
Catia V5	Solidedg
Autodesk Inventor Series	Unigraph





- us Designs oln Helios
- ustan Office Products Ltd.
- hern Railways
- skar Systems
- Motors
- ok Leyland India Ltd.
- iens VDO

orks ge phics NX

PRODUCTS AND SERVICES

- Product Design
- Press Tool Design
- Injection Mold Design
- Legacy CAD Conversion
- Finite Element Analysis
- Reverse Engineering
- Jig & Fixture Design
- Engg.Consultancy
- Solid Modelling











CAM Packages

Master CAM	UG CAM
Pro-Manufacturing	

FEA Package

Ansys

Nastrar

Tool Design

0	
2D drafting	Raster to Vector
3D Modeling	2D to 3D
Product Design	Legacy Data Conversion
CAD Conversions	Part Catalog
Scanning	Library CreationI

Hardware

- Latest Pentium Work Stations.
- Data backup facilities on CD Writer & Tape Storage Drives (DAT 40)
- Broadband Communication facilities with Video Conferencing .
- A4 A0 Size Scanning, Plotting, Ammonia Printing & Photo-copying facilities

Financial

Turnover

Year	Turnover (USD)
2002-2003	34,920
2003-2004	59,821

Consultancy

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

Technology Arrangement

- Joint Venture
- Technical Cooperation
- Marketing

Possible Export Potential

- United States of America
- Europe
- Asian Countries





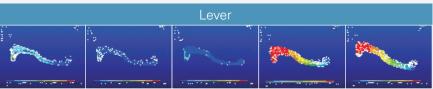
Engineered 3D models in Solidworks with all details including interference checks, weight optimization & fastening details, material selection & manufacturing process selection and suggestions. All relevant detailed part drawings including Tolerances, assembly & subassembly drawings, bill of materials were provided.

Casting

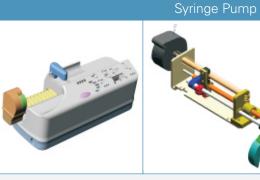




Reverse Engineering of the casting using CMM digitizing, Extraction of point cloud data, Parting line creation and design of Die Casting Die. Created 3D models & detailed drawings for manufacturing purposes.



The Product is a brake & Clutch lever for a two wheeler. The present Aluminum alloy cast part had to be replaced by a suitable plastic part with similar mechanical properties and appreciable cost savings. Optimized CAD Model. Iterate Finite Element Analysis for confirmation of strength and other mechanical properties.



The product is a syringe actuator used for injecting intravenous fluids at extremely slow rates ranging upto 1 ml per hour. Developed the mechanism, interference checks, 3D models, detailed drawings. & analysis report.







