



# Company profile

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FOUNDED in 1993

PRIVATE LIMITED

150 EMPLOYEES

SOFTWARES CAPABILITIES

I-DEAS

UNIGRAPHICS

ANSYS

SOLID EDGE

PRO-E

AUTOCAD

etc...



# Sectors

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- ◆ Aerospace
- ◆ Automotive
- ◆ Consumer product
- ◆ Defense
- ◆ Heavy Machinery
- ◆ Industrial
- ◆ Ship Building
- ◆ Medical equipment



# Services

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- ◆ Usability
- ◆ Industrial Design
- ◆ Mechanical Engineering
- ◆ Electrical / Electronic Engineering
- ◆ Software Engineering
- ◆ Prototyping & Models
- ◆ Analytical Engineering
- ◆ Testing



# Usability

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- ◆ User needs assessment
- ◆ Product use analysis
- ◆ Demographic research
- ◆ Market trend analysis
- ◆ Competitive market analysis
- ◆ Focus group research



# Industrial Design

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- ◆ Competitive research
- ◆ Concept development
- ◆ Styling investigation
- ◆ Human factors / ergonomic research
- ◆ User interface design
- ◆ Product positioning
- ◆ Design strategy
- ◆ Product graphics
- ◆ High quality rendering



# Mechanical Engineering

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- ◆ Plastic part design
- ◆ Sheet metal design
- ◆ Casting part design
- ◆ Forging part design
- ◆ Cost reduction programs
- ◆ DFM / DFA and DFMEA
- ◆ Electro mechanical systems and Optic systems
- ◆ Detail part design
- ◆ Material and process assessment / selection
- ◆ Mechanism / structural design
- ◆ GD & T
- ◆ Solid and surface modeling



# Electrical / Electronic Engineering

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- ◆ FPGA and programmable logic design
- ◆ Embedded systems
- ◆ Data acquisition
- ◆ Vehicular electronics



# Software Engineering

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- ◆ Embedded software / firmware design
- ◆ C / C++ and assembly language
- ◆ Visual basic
- ◆ Micro controllers & PC architecture
- ◆ Industrial control & rest fixtures





# Prototyping & Models

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- ◆ Rapid prototypes
- ◆ CNC models / prototypes
- ◆ Visual models
- ◆ Proof of principle prototypes
- ◆ Cast urethane multiples
- ◆ Injection molded parts from bridge
- ◆ First production runs
- ◆ Laser cutting
- ◆ Pattern making
- ◆ Metal casting
- ◆ Sheet metal



# Analytical Engineering

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- ◆ Finite element analysis
- ◆ Static and dynamic analysis
- ◆ Computational fluid dynamics (CFD)
- ◆ Stress and deformation
- ◆ Geometric and material non linearity's
- ◆ Design optimization
- ◆ Thermal analysis
- ◆ Injection molding mold flow analysis
- ◆ Statistical tolerance analysis



# Testing

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- ◆ Reliability
- ◆ Performance
- ◆ Environmental
- ◆ Regulation



# Contact Us

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