

Mechanical Engineering Technical Capabilities

Concept Development

Mechanical Systems

- Solid Modeling
- Rapid Prototyping
- Plastics Design
- Material Selection
- Ergonomic Design
- Environmental Stress Testing
- EMI/RFI Shielding
- 2-D Mechanical Drawings
- 3-D Models for Interference Detection and Tooling

Mechanical Analysis

- Strength Analysis
- Failure Modes and Effects Analysis
- Finite Element Analysis
- Failure Analysis
- Loads Analysis
- Human Factors Analysis

Design for Testability

Design for Manufacturability

Preproduction Models

- Field Testing
- Feasibility Testing

Robotics

- Chassis Design
- Motor Controls

Automation

- Hydraulics
- Pneumatics

Optical Systems

- Lenses
- Mirrors
- Holographs
- Machined Parts
- Molded Parts

Mechanical Production

- Machined Parts Design
- EDM
- Plastic Injection Molded Parts

Thermal & Liquid Adhesive Systems

Spacecraft Mechanical Systems

Contact Information

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