



www.apogeemfg.com

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Capabilities

Tooling Design

- Tubing Benders: Three Dimensional Paths, Copper, Aluminum, Stainless Steel, Thin and Heavy Wall
- Sheet Metal Forms, Shears, Punches and Dies (Heat Treated for Long Life and Durability)
- Special Process Fixtures: Holding, Sawing, Swaging, Painting, Soldering, Bonding, Assembly
- Testing Fixtures: Thermal, Acceleration, Mechanical, Fatigue, Life Cycle
- Inspection Fixtures: Go/No Go Gauges, Mock Assemblies, Alignment, Positioning

CNC Machining

- Bed Mills for Prototyping, Tooling Fabrication
 - 60 inch x 23 inch x 20 inch Capability in One Hold
- Machining Centers for Prototyping, Tooling Fabrication and Low to Mid Volume Production Runs
 - 50 inch x 20 inch x 18 inch Capability in One Hold
- Precision Grinding for High Precision Tooling
- Turning for Low Volume Prototypes and Tooling

Inspection

- NIST Traceable Calibrated Equipment Including: Gauge Pins, Calipers, Micrometers, CMM Probe Arm, MicroVu
- High Fidelity First Article Inspection Reports
- Reverse Engineering Utilizing SolidWorks™ CAD and Hexagon's PC DIMS

Certifications / Registrations

- ISO 9001:2015 / AS9100D: Dekra 132452.00
- ITAR Registered: M43127
- JCP Registered: 0084353
- Cage Code: 8PRP5
- DUNS: 117611607
- NIST 800.171 and DFARS 252.204-7012 Cybersecurity Compliance for CUI

Differentiators

- Responsiveness
- 60 Years of Aggregate Experience
- Professionally Trained in Mechanical Engineering (Bachelor & Master Degrees), CNC Machining, Coordinate Measuring Machine (CMM) Inspection, Geometric Drawing and Tolerances (GD&T) per ASME 14.5 and Program Management
- Small Business, Schedule Flexibility
- Custom Fixtures Plates, Clamps, Precision Ground Blocks and Jigs for Work Holding
- Utilization of Calibrated Inspection Equipment at Critical Points Throughout the Machining Process

NAICS Codes

- 332710: Machine Shops
- 332999: Fabricated Metal Product
- 333514: Die and Tool, Jig, and Fixture Manufacturing
- 541330: Engineering Services
- 541420: Industrial Design Services
- 541490: Specialized Design Services