FAXON MACHINING

DEEP HOLE DRILLING AND
PRECISION CNC MACHINING
OUR FACILITY

- Over 165,000 sq. feet
- 7 production bays/access to 20-ton cranes
- Multiple manufacturing cells
- 130 employees

Located just North of Greater Cincinnati in Forest Park, Ohio and only minutes from interstates I-75 and I-275
Faxon Machining is a competitive, results driven, innovative, highly accredited contract manufacturing company. We create strategic partnerships with customers and vendors to provide a transparent relationship resulting in on time, high quality parts. We have an integrated team approach that consists of engineering, quality, production and program managers with industry specific knowledge. Our highly capitalized facility allows for our diversified portfolio that includes defense, aerospace, automotive, oil and gas, general machining and firearms. We specialize in supporting long-term programs from the initial research and development phase through to the production phase.
Program Management
Industry specific Business Units providing single points of contact

- Concept
  - Manufacturability
  - Cost Evaluation

- Initiation
  - Estimation
  - Process Evaluation

- Planning
  - Process and Quality development
  - Contract Review
  - Project Planning (MS Project and ERP)

- Executing
  - Manufacturing
  - Issue resolution

- Monitoring
  - Quality evaluation and Inspection
  - Scheduling Performance
  - Transparency through weekly Status updates

- Closing
  - Data Packages
  - Product Shipping
  - Knowledge retention

3343596- Customer Part
481 units in-process at the milling operations will be sent for passivation once completed.
Left Photo: Completed hardware, Right Photo: Parts staged for milling op.
Engineering

Process Design, CNC Programming, Continuous Improvement, Manufacturability Support

Discipline specific Engineers

Solid Works, SurfCam, AutoCAD

Manufacturability Support

CNC Programming

Process Design

Tooling and Fixture Design

Continuous Improvement
Quality

Multiple Inspection Labs, Calibration, Documentation, Accredited

Calibration Lab and 2 Inspection Labs

Discipline specific Quality Engineers

SPC Software

Documentation Control through software

Inspection Method Support

**EQUIPMENT:** 2 Large CMM, 2 Small CMM, Rc/Brinell Tester, Silvacs, 2 Optical Comparators, bore gages, mag particle
Accreditations/Qualifications

Registered Quality Certifications through 3rd Party Auditing

ISO 9001 Certification Since 2003
ISO 14001 Certification Since 2004
TS 16949 Certification Since 2005
Ford Q1 Certification Since 2005
AS-9100 certification Since 2015

Qualification – General Dynamics, Lockheed Martin, General Electric, Ford Q1, DRS
Faxon Machining maintains industry leading suppliers for all segments of the supply chain to support a cost effective, high quality network. Each key supplier undergoes our approval process and is subject to semi/annual audit.

The process has yielded 100% on time delivery and quality.
Capabilities and Equipment

Diversity of our Customers has Created a wide variety of manufacturing solutions

**DRILLS** – Deep hole drills
**RANGE:** 0.10-24 in. ø and 33ft/396 in. depths.
**EQUIPMENT:** 4 GIANAS, 2 TARUS, 2 UNISIG

**Lathes** – Flat & Slant bed CNC machines
**RANGE:** 0.10-24 in. ø and 20ft/240 in. length.
**EQUIPMENT:** HANKOOK, DAINICHI, DOOSAN, MAZAK, HAAS, OKUMA

**Mills** – 4th and 5th axis mills, vertical and horizontal
**RANGE:** < 1.00in to 12 Ft. lengths
**EQUIPMENT:** MORI SEIKI, VIPER, MAZAK, HAAS

**General CNC Machinery**
specialized equipment capable of adding value to production processes
**Equipment:** GRINDERS, PRESSES, BROACH, FURNACE, WELDING, HONE
Core Competencies

Deep Hole Drilling (small diameter)

Large Capacity Taurus Gundrill

Gundrilling ( .093” to 2.000” x 200” Deep )
60” x 144” Table Size @ 60,000 lbs Capacity
Drilling • Tapping • C’Boring • Porting • Milling
Core Competencies

Trepanning and Ejector Drilling

Trepanning (Up to 15in ID 32ft long)
4 Giana Deep-Hole Drilling-Boring Machines
Drilling • Reaming • Pull Boring
Large Capacity Steady Rests
Counter-Rotating For Superior Accuracy
Core Removal - Return on Material Investment
Capable of 23in ID with modifications
Core Competencies

Deep Hole Drilling (large Diameter)

Trepanning (Up to 15in ID 32ft long)

4 Giana Deep-Hole Drilling Centers

Machine Size up to 100 Feet Long, 60” Swing and 15in Dia. ID. Capable of 23in ID with modifications

Drilling • Bottle Boring • Reaming • Pull Boring
Core Competencies

CNC Turning (Large Lathes)

- Turning: Up to 24 in DIA x 240” long
- 4 CNC LARGE LATHES
  - Turning
  - Boring
  - Threading
Core Competencies

CNC Milling

**Mills** – 4th and 5th axis mills, vertical and horizontal

**RANGE:** < 1.00in to 12 Ft. lengths

**EQUIPMENT:** MORI SEIKI, VIPER, MAZAK, HAAS
Resources

Small Business
165,000 sqft of Manufacturing Space
130+ Hourly and Salaried Employees

2 Full equipped Quality Assurance labs

CNC Machining (lathe and Mill)

Audited and Approved Key Suppliers

7 production bays/access to 20 ton cranes

E2 Shop Management Software and Reporting System

Engineering including 2D / 3D modeling and programming support
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