



## Precision Machining

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**McNeil Industries** is a primary supplier of industrial sealing products and precision machined plastic and metal components. We serve the medical, aerospace, gas turbine, fluid power and specialty machinery markets.

McNeil strives to add value at all phases of our relationships. We have the knowledge to provide input early and often in the product design and development.

### Unique Capabilities

- Prototype to Production
- CAD/CAM (Solidworks/Mastercam)
- CNC Turning, Milling & Grinding
- Full Secondaries
- Assembly & Kitting
- JIT & Stocking Programs

### Distinctive Materials

- Stainless Alloys  
303, 316, 347  
440, 17-4 PH,  
418 Greek Ascology
- Inconel, Hastelloy, Titanium
- Aluminum / Brass / Bronze
- Fluoropolymers, Thermoplastics

McNeil Industries serves customer-partners requiring low to mid-range production volumes. Super alloys and engineered polymers are our specialty.

Since 1986, McNeil has developed value-added solutions for many demanding customers. Our vertically integrated services include stocking, distribution, manufacturing, custom kitting/assembly, testing and just-in-time (JIT) delivery.

### Available Capacity

(see reverse for details)

- 12- CNC Turning Centers
- Up to 5-Axis Capability
- Live Tooling
- Bar Capacity up to  
3 1/2" Diameter
- 6" - 15" Chucks (Jaw, Collet)

### 3 – CNC Machining Centers

- Up to 4-Axis Capability
- 24" x 24" x 40" Work Area
- Automatic Tool Changer
- Compliment of Auxiliary Equipment
- Horizontal Milling Capacity

### 13 – Grinders

- CNC ID/OD
- Centerless
- OD
- Internal
- Surface
- Blanchard

## QUALITY STATEMENT

**Excellence through Innovation and Teamwork**



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ISO 9001:2008



# Equipment & Capabilities

## CNC Turning Centers:

- Up to 5-Axis Capability – Live Tooling – Bar Feed;
- Up to 23" length; Up to 15" Chucks
- Mori Seiki NL3000MC with live tooling and up to 3 1/2" diameter bar capacity and LNS Quick Load Servo S3 automatic bar loader
- Mori Seiki NL3000Y with live tooling and up to 3 1/2" diameter bar capacity and LNS Quick Load Servo S3 automatic bar loader
- Mori Seiki NL2500 with 3.1" diameter bar capacity
- Mori Seiki NL2500SY with live tooling, sub-spindle and up to 3.1" diameter bar capacity and LNS Quick Load Servo 80 automatic bar loader
- Hitachi Seiki HiCell 2311 5-Axis Super
- Hitachi Seiki HT 20 Hitec Turning CNC lathe 3" bar capacity with bar feed
- Miyano BNC 342A with Automatic 12' Bar Feed
- Mazak QT 18 CNC Lathe
- Mazak QT 15 CNC Lathe (2)
- Mazak QT 35 CNC Lathe – 15" chuck
- Ernault Toyota twin turret turning center – 15" chuck

## CNC Vertical Machining Centers:

- Up to 4-Axis Capability – 24" x 24" x 40" Work Area  
- Automatic Tool Changer
- Mori Seiki NVS000
- Mazak VTC-20C CNC Milling Center

## CNC Horizontal Machining Center:

- Mori Seiki NH 4000DCG High Precision

## CNC Grinding Machines:

- Studer S31 Universal Cylindrical Grinder:
  - 12" diameter x 21" length (centered)
  - 11.5" diameter x 10.5" length (centerless)
  - ID: up to 9"
  - OD: up to 10.25"

## Manual Turning and Milling Machines (Digital readouts):

- Horizontal Boring Mill (4" spindle)
  - 100" long x 48" high x 60" deep
- Turning Lathe (gap-bed engine):
- 32" diameter x 120" long

## Manual Grinding Machines:

- Centerless – Internal – Surface – Blanchard
- Cincinnati Milacron Heald Sizematic 271 ID gr.
- Cincinnati Milacron Heald Universal 273 ID gr.
- Cincinnati Milacron Heald Tool Rm. 271 ID gr.
- Cincinnati Milacron R57 OD gr.
- Cincinnati Milacron #3 Centerless gr.
- Cincinnati Milacron #2 Centerless gr.
- Blanchard Grinder 36" table
- Gallmeyer and Livingston #35 Surface gr.
- Harig 6/12 Surface grinder
- Toyota OD Grinder (2)
- Sunnen Auto Vertical Hone

## Compliment of Auxiliary Equipment:

- AMADA Automatic Saw
- Mitutoyo Optical Comparator with digital readout and surface illumination
- Optical Gaging Products - Contour Projector Faro Arm portable CMM

## Design and Manufacturing Software:

- SolidWorks 3D Modeling Mastercam Software
- E2 Shop System Manufacturing Software by Shoptech
- AutoCAD 2004 LT

## Certified Quality Assurance Lab

- Mitutoyo OGP Top Bench Optical Comparator with digital readout and surface illumination
- Brown & Sharpe Coordinate Measuring Machine with PC-DMIS Software
- Fowler Trimos V3 Digital height Gage
- Mitutoyo Portable Profilometer
- Dyer Gage

## OUR MISSION

To provide a level of service and quality that far exceeds our customers' expectation



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