



## FACILITIES LIST

### TYPES OF SERVICES OFFERED:

CNC - Turning, Machining, Work Cells  
Assemblies and Sub-Assemblies  
Inside Engineering and Design Assistance Secondary Machining Services  
Additional SPC Analysis on Critical Components

### PRIMARY CNC MACHINING:

#### CNC Turning Centers

#### Bar Machines/Chucking: 2-5/8" bar, 10" Chucking:

4- Hardinge Quest TT-65 (8) Axis TC  
1- Index GSC-65mm 6 Axis TC with Subspindle  
1- Index GS-65mm 5 Axis TC with Subspindle  
1- Index GS-30mm 5 Axis TC with Subspindle  
1- Index GB-42mm 7 Axis TC with Subspindle  
1- Daewoo 65mm 2 Axis TC  
1- Omniturn 30 mm 2 Axis TC  
1- Bridgeport EZ Path CNC TC

#### CNC Machining Centers:

1- 4 Axis Hitachi Seiki VM40II with pallet changer  
2- 4 Axis Kitamura Mycenter-1 with pallet changer  
1- 3 Axis Kitamura Mycenter-1 with pallet changer  
1- 4 Axis Acroloc Vertical Machining Center

## **SECONDARY MACHINING:**

### **Milling:**

- 1- Nichols Double Arbor Milling Machine
- 1- Vertical Milling Machine Broaching:
- 1- Horizontal Internal Broach
- 1- Ty Miles 36" Vertical Broach, 12 ton high speed external

### **Rotary Transfer:**

- 1- MSO 5 station

### **Turning:**

- 1- Hardinge Precision 2 Axis Finishing Lathes

### **Threading:**

- 1- W&S Lead Screw Tapping
- 3- Seny Infeed Thread Rolling

### **Drilling:**

- 2- Double heading Drilling Machine  
Custom Build, with PLC and Auto Load
- 2- Drill Presses, 3/8"
- 2- Drill Press, 1/2"
- 1- Burgmaster Drilling and Tapping Machine

### **Grinding:**

- 1- Cincinnati Centerless Grinders

### **Finishing:**

- 1- Hand Buffing Machines
- 1- Octagon Polishing Barrel
- 3- Sweco Vibratory Mills 14, 10, 3 cu/ft

### **Marking:**

- 1- Schmitt Model 175 Marking Machine

### **Sawing/Shearing:**

- 1- Hem Saw Auto Cycle Self Feed Horizontal Band Saw
- 1- Kauffman Automatic Circular Saw
- 1- Di-Arco Bar Shear

# PROFESSIONAL REFERENCES & ASSOCIATION

## OEM INDUSTRIES SERVED:

Aerospace  
Agricultural  
Automotive  
Bearings  
Electronics  
Electro-Mechanical  
Fasteners  
Fire Suppression  
Gas Disbursement  
Hand & Specialty Tools  
Heavy Equipment  
HVAC  
Instrumentation  
Medical  
Metering  
Safety  
Servo Valves

## ASSOCIATIONS:

Precision Machined Products Association	(PMPA)
Society of Manufacturing Engineers	(SME)

# QUALITY LAB

**MPC** is certified to **ISO 9001:2000** systems and procedures in its continuing effort to be a reliable and world class supplier.

Our **Quality Assurance Department** is maintained to ensure compliance with specifications by using procedures and equipment that provide products whose expected functions, reliably, and effectiveness meet or exceed customer requirements. The fullest measure of product assurance can only be achieved by the exercise of care and attention to detail on the part of all personnel.

Continuous improvement through **Total Quality Control (TQC)** is the foundation of **MPC**. Employee training and quality improvement information includes statistical analysis in all its conventional forms: capability studies, frequency distribution, control charts, etc.

**The following are some of the tools and equipment utilized to meet and exceed customer expectations and specifications:**

Giddings & Lewis Cordax RS-5 Coordinate Measuring Machine  
Bausch & Lomb 14" Optical Comparator  
Metronics Quadrachek 2000  
Deltronic DLT214 Optical Comparator w/ Digital Readout  
Metronics Quadrachek II  
Mitituyo Digital Bore Gages 7/16" - 3"  
Airtronics Metrosurf Profilometer Surface Finish Indicators  
Bausch & Lomb 10" Optical Comparator - 10x-50x amplification  
Sheffield Electronic Comparators  
Rockwell Hardness Testers with Master Set Gages & Attachments  
A full line of electronic indicators with SPC output  
Stephen SPC software  
Mitituyo data collectors  
Sheffield Precisionaire Air Gages  
Hauser Toolmaker's Microscope  
Superimposed Gage Charting  
B & S Toolmaker's Microscope  
Pratt & Whitney Supermicrometers  
Van Keuren Thread Measuring Wires  
Mikrokater .0002 Master Indicator  
Hamilton Small Bore Gage  
Dryer Recess Gages  
B & S Internal Micrometers  
B & S Internal Groove Micrometers  
Fowler 24" Digital Height Gages (3)  
Full line of Pitch Micrometers  
Thread Plug Gages  
Thread Ring Gages  
Master Set Plugs  
Full set of gage blocks (3)  
Full line of hand measurement devices  
Full line of calipers