



Custom Machinery  
and Manufacturing  
since 1944

# FACILITIES

## ASSEMBLY BAY FACILITIES

40' x 225' 3 Ton Crane  
40' x 175' 3 Ton Crane  
40' x 150' (2) 5 Ton Cranes  
55,000 Total Sq. Ft.  
FOD & ESD Assembly & Manufacturing Test  
Room (1,800 sq. ft.; 45' x 40')

## QUALITY ASSURANCE LAB

Zeiss 10166 Spectrum CMM: 39.4" x 63" x 23.6"  
Zeiss Spectrum III CMM: 27.5" x 39.4" x 23.6"  
Vermont VP15 Comparator  
Rahn AA Surface Plate 48" x 60"

## ADDITIVE MANUFACTURING (3D PRINTING)

Stratasys Fortus 380mc – Fused Deposition Modeling (FDM)  
Build Envelope: 14" x 12" x 12"  
Materials: ABS, ASA, PC, Nylon

## CNC MACHINES

- (1) HAAS DS-30Y Dual Spindle & Y-Axis Turning Center 18" x 23"
- (1) HAAS VF9 Vertical Milling Center 84" x 40" x 30" (30 tools)
- (1) Hardinge Milling Center High Torque VMC 1000 II 40" x 20"
- (1) Hardinge Turning Center Quest 8/51
- (2) HAAS TM2 Vertical Toolroom Machining Centers 40" x 16" x 16" (10 tools)
- (4) HAAS VF1 Vertical Machining Centers 20" x 16" x 20" (20 tools)
- (1) HAAS VF2 Vertical Milling Center 30" x 16" x 20" (30 tools)
- (1) ProtoTRAK LPM with 4<sup>th</sup> Axis 31" x 18.5" x 21" (16 tools)
- (1) Mori-Seiki MV-65 Vertical Milling Center 60" x 26" x 25" (30 tools)
- (1) Doosan Lynx 2100LY CNC Lathe with Y-Axis and Tailstock
- (1) Doosan Lynx 2100LSY CNC Lathe with Sub Spindle & Bar Feeding Capabilities
- (1) Doosan DVF 5000 5-Axis Mill (uses PowerMill & CAMplete)

## JIG GRINDER

Moore: Model G-18, Working Capacity 11" x 24", Accuracy .00005", with 2-Axis: Digital Readout (imperial and metric)

## CONTACT US

[sales@microinst.com](mailto:sales@microinst.com)  
[www.microinst.com](http://www.microinst.com)  
(585) 458-3150



## JIGBORE

(2) Moore American Models #3, Working Capacity 11" x 24"

Greatest Error in 1" – 30 millionths, Greatest error in 18" – 90 millionths, with 2-Axis Digital Readout (imperial or metric)

Hauser Model M-5, Working Capacity 20" x 28", Accuracy .0002"

## BORING MILL

Wotan 3-Axis CNC Horizontal Boring Mill #B-105 Teletrol III 71" Cross, 54" Vertical and 39" Long, 43" x 55" Power Rotary Table and 20" Spindle Travel

## LATHES

Monarch Model 9311 with 18 ½" Swing

(2) American Modern 1440 CNC Lathes with 14" x 40" Working Capacity

(5) Hardinge 10" Tool Room Lathes

Web 16" Tool Room Lathe

## MILLS

All utilize CAM or Direct Programming

(23) CNC Tool Room Mills capable of Milling, Drilling, Contouring and Boring to exacting tolerances

(1) Huron Milling Machine

## EDM

Mitsubishi FA20 500 mm x 350 mm x 300 mm (19.6" x 13.7" x 11.8")

Mitsubishi Conventional EDM (18.6" x 13.2" x 12.6")

Mitsubishi ED 20005 Hole Popper

## SURFACE GRINDERS

(1) Accu-Grind, Accuracy 1 micron; (2) Accu-Grind, Accuracy .0001"

(1) Cylindrical Grinder; (1) Dedtru Centerless Grinder

## DRY ROOM

Controlled to 5% RH (100 sq. ft.)

## CLEAN ROOM

Registered to ISO 6 Standards (Class 1,000)

**CAGE CODE: 0JHY2**

**DUNS NUMBER: 002211498**

**S.I.C. CODE: 3544**

**TAX ID #: 16-0818517**

**QUALITY MANAGEMENT SYSTEM: ISO 9001 + AS9100**

**ITAR REGISTERED**

**PRIMARY NAICS CODE: 332710**

**SECONDARY NAICS CODES: 332721 / 333514 / 336413 / 333249**

## CERTIFICATIONS

