



## **Precision Machining Center**

Precision Machining and Contract Manufacturing  
(207) 854-1500

### **Engineering Capabilities:**

Engineering Design, Product and Project Management,  
Quality Management, Project Assemble, SolidWorks  
Design Software, Design Analysis, JobBoss

### **CNC 5 Axis Milling Centers:**

#### **[2] Mazak Integrex e-1060V/8 II:**

73.8" x 41.7" x 52.9" Work Envelope, Capable of turning  
up to 48" Dia. X 73.8"H. Mazatrol Matrix Control,  
Rapid Traverse rate: X,Y,Z 42000mm/min

#### **Cincinnati Machine Magnum 1000:**

57" x 72" x 61" Work Envelope  
(7) Pallet Machining Center, Acramatic 2100 Control, 150  
Deg. Tilting/Contouring Spindle, + 60 Millionths of An Inch  
Repeatability, 5 Axis Vector Probing.

#### **Mazak VCU 500 5x – 5 axis rotary/tilt table**

X19.88" x Y19.88 x Z20.07 – 15 HP 10000 rpm

#### **[2] Haas UMC1000 – 5 axis rotary/tilt table**

X40.0" x Y25.0" x Z25.0" – 30 HP 8100 rpm

### **CNC 3-4 Axis Milling Centers:**

#### **Toshiba 5.9" BP-150.R22 HORIZONTAL BORING MILL:**

160" x 100" x 60" Travel, Tosnuc 888 Control, Table load  
capacity 44,000 lbs

#### **Toshiba BTD-13.R22 HORIZONTAL BORING MILL**

118" x 90.6" x 63." Travel, Tosnuc 777 Control,  
Table load capacity 22,000 lbs

#### **Toshiba BTD 110 R16 HORIZONTAL BORING MILL**

78.7"X x 59.1"Y x 57.1" Travel , Tosnuc 999 Control  
40 hp., 3000RPM, , Table load capacity 13,860lbs

#### **Mazak YMS H-25Q HORIZONTAL BORING MILL:**

160" x 80" x 36" Travel, Floor Type  
6.3" Spindle, 25 hp, Fanuc 11M.

#### **Mazak HCN-8800 HORIZONTAL MILL:**

55.2"X x 47.24"Y x 52.17"Z Axes Travel, Mazak SmoothG  
Control, 50 hp. 10,000 RPM Spindle

#### **Mazak 705D/50 VERTICAL MILL:**

60" x 27.6" x 25.3" Travel, Vertical CNC Machining Center,  
Table size: 68.5" x 27.6"

#### **Mazak 535c/50 VERTICAL MILL:**

41.3" x 20.87" x 20" Travel, Vertical CNC Machining Center,  
Table size: 51.1 x 21.6"

#### **Haas VF11 VERTICAL MILL:**

120" X x 40"Y x 30"Z Travel, with 4th Axis Rotary,  
60 hp, 10,000RPM Spindle.

#### **Haas VF4SS VERTICAL MILL:**

50" X x 20"Y x 25"Z Travel, with 4th Axis Rotary,  
30 hp, 12,000RPM Spindle.

#### **Haas Mini Mill VERTICAL MILL:**

16" X x 12"Y x 10"Z Travel, 7.5 hp, 6000RPM Spindle.

### **CNC Turning Centers:**

#### **Ravensburg CNC Roll Lathe:**

Model K3-1600, 82" Max Swing, 63" Max Swing Over  
Carriage, 472" Between Centers, 50 hp, Fanuc 0TC  
Control, 8" Hole Thru Spindle

#### **Mazak A16N MegaTurn CNC Vertical Turning Lathe:**

2 Pallet Changer, Live Tooling, 80" Max. Work Piece Dia. X  
72" Max. Height, 80 hp, Mazatrol T32 Control

#### **Mori Seiki SL600/2000, 2 Meter Bed Length:**

1 Meter Swing over Bed, 50 hp, 10 Tool Station Turret, C  
Axis Milling, Fanuc Msc501 Control, 6.5" Hole Thru Spindle

#### **Mori Seiki SL600/1000, 1 Meter Bed Length:**

1 Meter Swing over Bed, 50 hp, 10 Tool Station Turret, C  
Axis Milling, Fanuc Msc501 Control, 6.5" Hole Thru Spindle

#### **Mori Seiki SL400/1000, 1 Meter Bed Length:**

26" Swing over Bed, 50 hp, 12 Tool Station Turret, C Axis  
Milling, Fanuc Msc501 Control, 4.5" Hole Thru Spindle

#### **Mori Seiki ZL200:**

SMC 4 Axis CNC lathe, Fanuc controls, 2" Hole Thru  
Spindle

#### **Romi M27:**

27" Swing over bed, 110" bed length' Fanuc series 21i – TB  
Controls, 4.0 Hole Thru Spindle

### **CMM Inspection Equipment:**

**Brown and Sharp Xcel 152010:** Coordinate Measuring  
Machine, Multi axis with DDC controls programmable,  
Measuring envelope 59.1" x 118.1" x 39.4", Accuracy  
.0005", repeatability .00017". PCDIMS software.