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

Mazak Integrex e-1600V/10:
91.1" x 62.9" x 52.9" Work Envelope, Capable of turning up to 80.7" Dia. X 62.9"H. Smooth Ai Control, Rapid Traverse rate: X,Y,Z 42000mm/min

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

Mazak Integrex i450HS:
26.38" Swing over bed, 50HP 12" main spindle, 35HP 10" sub spindle, 60" between spindles, 4.02" Bar capacity thru main spindle, [74] tool changer, Milling spindle 12K RPM, Y Axis 11.8", B Axis 240 deg range.

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.

HEXAGON SF7.10.7: Coordinate Measuring Machine, Multi axis with DDC controls programmable, Measuring envelope 27.95" x 39.76" x 26.77", Accuracy .0005", repeatability .00017". PCDIMS software.