



MAGNA
Machine Co.

11180 Southland Road
Cincinnati, OH 45240
www.magna-machine.com
ISO 9001 Certified

Tel: 513.851.6900
Fax: 513.851.6904

EQUIPMENT AND FACILITIES

Facility Size: 100,000 sq. ft.

Manufacturing: 59,000 sq. ft.

Assembly: 17,500 sq. ft.

Welding: 20,000 sq. ft.

Inspection: 3,500 sq. ft.

16 overhead cranes (up to 20 tons each) with lifting capability of 40 tons in machining bay

80,000 lb. Taylor Rigger's special fork truck with boom

Pick-up and Delivery Service

Milling Department-CNC

3, 4, & 5 Axis CNC Milling

Union PCR-150 RAM Type CNC Horizontal Boring Mill: 17" x 22" RAM, 6" diameter spindles; 396" x-axis, 157" y-axis, 39.37" z-axis, 29" w-axis; full A-C axis contouring universal head with automatic head changer; Heidenhain TNC-530 control; tool changer (40 tools)

Union PC-150 CNC Horizontal Boring Mill: 6" diameter spindle; 396" x-axis, 138" y-axis, 30" z-axis, 29" w-axis; 79" x 98" contouring rotary table; 1° automatic indexing head; Heidenhain TNC-430 control; tool changer (40) tools

Union FC-1 CNC Traveling Column Universal Milling Machine: 15" x 18" RAM, 396" x-axis, 102" y-axis, 63" z-axis (RAM), 5000 RPM, 96" x 356" floor plate field, 79" x 98" contouring rotary table, 2-axis 1° automatic indexing head (A-C axis positioning), Heidenhain TNC-530 control, tool changer (24 tools)

Union P-130 CNC Horizontal Boring Mill: 5" diameter spindle; 197" x-axis, 118" y-axis, 30" z-axis, 29" w-axis; 2-axis manual universal milling head, 96" x 96" rotary table, Heidenhain TNC-530 control: tool changer (4 tools)

Union KC-150 TT CNC Horizontal Boring Mill: 6" spindle, 126" x-axis, 98" y-axis, 59" z-axis, 29" w-axis, (2) 63" x 78" contouring rotary table, pallet changer, manual position universal milling head, Heidenhain TNC-530 control, tool changer (60 tools)

Butler HE-4000 Elgamill: 17" x 19" RAM, 48" RAM travel; 244" x-axis, 78" y-axis; universal milling head; Heidenhain TNC-426 control

Union KCU-150 HDT CNC Horizontal Boring Mill: 6” spindle, 126” x-axis, 118” y-axis, 59” z-axis, 29” w-axis, 79” x 98” contouring rotary table, integrated facing head, Siemens 840D control, and tool changer (60 tools)

Union KC-150 HDT CNC Horizontal Boring Mill: 6” spindle, 157” x-axis, 118” y-axis, 98” z-axis, 29” w-axis, 78” x 118” contouring rotary table (44,000 lb. load capacity), KFUD3 automatic 1° universal head, automatic head changer, Heidenhain TNC-530 control, tool changer (60 tools)

Juaristi TS-5 CNC Horizontal Boring Mill: 6” diameter spindle; 118” x-axis, 115” y-axis, 59” z-axis, 36” w-axis; 78” x 98” contouring rotary table; universal milling head; Heidenhain TNC-426 control; tool changer (32 tools)

Union TC-130 CNC Horizontal Boring Mill: 5” diameter spindle; 118” x-axis, 98” y-axis, 59” z-axis, 29” w-axis, 63” x 78” contouring rotary table; Heidenhain TNC-426 control: tool changer (40 tools)

Union TC-130 CNC Horizontal Boring Mill: 5” diameter spindle; 98” x-axis, 98” y-axis, 59” z-axis, 29” w-axis, 63” x 78” contouring rotary table; Heidenhain TNC-426 control: tool changer (60 tools)

Union T-130 CNC Horizontal Boring Mill: 5” diameter spindle; 118” x-axis, 78” y-axis, 59” z-axis, 29” w-axis, 63” x 78” contouring rotary table, and Heidenhain TNC-407 control

Union BFT-130/55 CNC Horizontal Boring Mill: 5” diameter spindle, 110” x-axis, 98” y-axis, 79” z-axis, 31” w-axis, 60” x 110” plain table, integrated facing head, and Heidenhain TNC 407 control

Union TC-125 CNC Horizontal Boring Mill: 5” diameter spindle, 80” x-axis, 63” y-axis, 59” z-axis, 22” w-axis, 49” x 63” contouring rotary table, Heidenhain TNC-530 control and tool changer (40 tools)

Union TC-110 CNC Horizontal Boring Mill: 4.375” diameter spindle; 80” x-axis, 63” y-axis, 59” z-axis, 22” w-axis, 49” x 63” contouring rotary table; Heidenhain TNC-426 control: tool changer (40 tools)

Union T-110 CNC Horizontal Boring Mill: 4.375” diameter spindle; 80” x-axis, 63” y-axis, 59” z-axis, 22” w-axis, 49” x 63” contouring rotary table; Heidenhain TNC-530 control

MTE BF 2200 CNC Horizontal Machining Center: 80” x-axis, 59” y-axis, 48” z-axis; 39” x 39” b-axis contouring rotary table; 2.5° indexing head (both joints a-c axis); Heidenhain TNC 530 control; and tool changer (40 tools)

MTE K-15 CNC Horizontal Boring Mill: 13” x 15” RAM, 59” x-axis, 39” y-axis, 31.5” z-axis, 26” x 26” contouring rotary table, Heidenhain TNC-530 control

Ibarmia ZVH58/L4000 Traveling Column 5-axis Vertical Machining Center: 157” x-axis, 39” y-axis, 34” z-axis, continuous tilting head +/- 95°, 6000 RPM, integrated 39” diameter

continuous rotary table, 39" x 165" plain table, 31" 4-axis rotary table with tailstock, Heidenhain TNC 530 control and tool changer (30 tools)

Two Northwood NW FT 138 CS Vertical Bridge Mills: 168" x-axis, 100" y-axis, 14" z-axis, 96" x 156" work table, vacuum chucks, 20 H.P., CAT 40 taper, 10,000 RPM spindle speed, FANUC Oi control, (32-tools)

Scharmann Solon Horizontal Machining Center: 30" x-axis, 30" y-axis, 36" z-axis; 28" x 28" contouring rotary table; Heidenhain TNC-415 control

Kingston KMB5VCF CNC Vertical Machining Center: 3" diameter spindle; 41" x-axis, 20" y-axis, 20" z-axis; 12" x 60" table; Heidenhain TNC-360 control

Milling Department-Manual

Union BFT-90 Horizontal Boring Mill: 4" diameter spindle; 60" x-axis, 50" y-axis, 48" z-axis, 24" w-axis; 50" x 55" rotary table

Devlieg Jig Mill 4K-60: 60" x-axis, 48" y-axis, 24" w-axis; 36" pallet travel; 28" x 28" air-lift rotary table

Cincinnati CIM-X Horizontal Boring Mill: 24" x-axis, 20" y-axis, 30" z-axis, 12" w-axis; air-lift rotary table

Bridgeport Knee Mills. Quantity 3

Turning Department (horizontal) CNC

Ryazan Model RT317RF3 CNC Horizontal Lathe: 67" swing, 47.2" swing over slide, 236" center distance, Sauter 12-station automatic turret, steady rests, bar rest, 8"Ø boring bar attachment with the ability to bore up to 80" deep, 55,115 lbs. maximum work piece weight, 5-630 RPM, 80 H.P., Fanuc OT control, (12 tools)

Hankook Protec 9NC CNC Horizontal Lathe: 37.4" swing, 24.2" swing over slide, 157" center distance, duplomatic, 8-station automatic turret, boring attachment, steady rests, 10" spindle thru hole, front and rear 32" 4-jaw chucks, 32" 3-jaw chuck, 5-630 RPM, 35 H.P., Fanuc 21i-T control, (8 tools)

Daewoo Puma 400L: 28" swing; 19" swing over carriage; 82" center distance; 21" chuck diameter; Fanuc 18iTA control; (12 tools)

Turning Department (horizontal) Manual

Poreba TCG-200 Lathe: 78" swing; 66" swing over slide; 480" center distance; 60,000 lb between centers; 63" chuck diameter; 100 H.P.; threading; taper; Heidenhain 3-axis D.R.O.

American Pacemaker Lathe: 50” swing; 40” swing over slide; 252” center distance; 36” chuck diameter; Heidenhain 2-axis D.R.O.

Timemaster Gurutzpe Lathe: 41” swing; 34” swing over slide; 80” center distance; 43” chuck diameter

Kingston HR-5000 Lathe: 44” swing, 30” swing over slide; 200” center distance; 28” chuck diameter

Kingston HR-3000 Lathe: 44” swing; 30” swing over slide; 120” center distance; 39” chuck diameter

HMT NH-32 Lathe: 24” swing; 16” swing over slide; 60” center distance; 16” chuck diameter

Morando PA-30 Lathe: 24” swing; 15” swing over slide; 80” center distance; 20” chuck diameter

Morando PA-30 Lathe: 24” swing; 15” swing over slide; 60” center distance; 20” chuck diameter

Leblond Regal Lathe: 18” swing; 12” swing over slide; 54” center distance; 15” chuck diameter

Webb Lathe: 13” swing; 9” swing over slide; 36” center distance; collet chuck

Turning Department (vertical) CNC

Hankook VTB-3040E Vertical Boring Mill: 157.5” swing, 98” height under rail, 63” ram travel, 118” chuck diameter, live spindle (1500 RPM) with right angle head, Fanuc 18iTB CNC control, and tool changer (24 tools, 12 turning, 12 milling)

HNK VTC-40/30 Vertical Boring Mill: 157.5” swing; 86.6” height under rail; 63” ram travel, 118” chuck diameter; live spindle (1500 RPM) with right angle head; Fanuc 18TC CNC control; tool changer (16 tools)

You Ji Cyclone YV1600 CNC Vertical Turning Center: 78.7” swing, 63” standard turning diameter, 71” maximum turning diameter, 60” maximum turning height, 35.4” RAM travel, 63” 4-jaw chuck, 50HP, Fanuc Oit-B control, (12 tools)

Toshiba TUE-15 Vertical Boring Mill: 71” swing; 67” height under rail; 59” chuck diameter; Fanuc 18T CNC control; tool changer (12 tools)

TOS Hulin SKQ-12 Vertical Boring Mill: 56” swing; 52” height under rail; 49” table diameter; Fanuc 0TC CNC control; tool changer (12 tools)

Turning Department (vertical) Manual

S tanko IL532 Vertical Boring Mill: 130” swing; 84” height under rail; 110” chuck diameter; two swiveling RAMs; threading; tracer; Heidenhain 4-axis D.R.O.

Morando Vertical Boring Mill: 65” swing; 64” height under rail; 59” chuck diameter; (1) RAM head, (1) turret head, (1) side head; Heidenhain 4-axis D.R.O.

Miscellaneous Equipment

Surface Grinder: 13 inches x 40 inches

Mitts & Merrill Automatic Keyseater: 4” key capacity; 30” stroke

Mitts & Merrill Automatic Keyseater: 2-1/2” key capacity; 24” stroke

Bickford Radial Drill

Vertical Press: 150 tons

Horizontal Press: 300 tons

Schenck Dynamic Balancer: For components up to 72 inches in diameter and 120 inches in length

Finishing Equipment

Pressure Washer Station: 20 feet x 30 feet

Paint Booth: 20 feet x 30 feet

Sand Blast Room: 20 feet x 30 feet

Complete Welding and Fabricating Facilities

Lincoln Submerged Arc Welder

Microscopic Welding in Clean-Room Environment

Miller Synchrowave TIG Welders: 300 amp. Quantity 3

Lincoln Square Wave TIG Welder: 100 amp.

Hobart Cyber Wave TIG Welder: 300 amp.

CP-300 Miller MIG Welders: Quantity 2

CP-200 Miller MIG Welders: Quantity 3

Miller Wire Welder: 450 amp.

TEC VSI MIG Welder: 450 L.

Iron Worker: 30 tons

Iron Worker: 65 tons

Thermal Pak 5 Plasma Cutter

Bigo Straight-Line Burner: Quantity 2

Weld Positioners: 250 to 8000 pounds. Quantity 7

Peerless Automatic Band Saw

Do-All Contour Saw

Marvel Miter Saw

Kalamazoo 12 Cold Saw

Model 8 Marvel Saw

Ultrasound Machine: (for testing material thickness)

Die Penetrant and Mag Particle Testing

