



Industrial Machine And Fabrication

METALWORX INC. FACILITIES LIST:

CNC Milling

- Mazak SVC 2000 4 Axis High Speed Vertical Machining Center 120" x 20" x 22" Travels – 12K rpm
- (2) Mazak FJV-200 2APC 4 Axis CNC Vertical Machining Center 24"x16"x18" Travels
- Mazak PFH-5800 Full 4th Axis CNC Horizontal Machining Center 30"x30"x30" Travels – 15k rpm
- (2) Mazak FH-4800 Full 4th Axis CNC Horizontal Machining Center 22"x22"x22" Travels – 12k rpm
- Mazak FH-4800 (6 pallets) CNC Horizontal Machining Center 22"x22"x22" Travels – 12k
- Mazak AJV 35/120 Vertical machining Center 120" x 32" x 20" Travels
- Daewoo Mynx 500 CNC 4 Axis Vertical Machining Center 40" x 20" x 20" Travels
- Daewoo DMV4020 CNC 4 Axis Vertical Machining Center 40" x 20" x 20" Travels
- (2) Enshu JE60 CNC Horizontal Machining Center 23.6" X 23.6" X 23.6" Travels – 13k rpm
- OKK HM4 Horizontal Machining Center 24" X 22" X 20" Travels – 12,000 Spindle rpm
- Haas VF3 2APC 4 Axis CNC Vertical Machining Center 40"x20"x20" Travels – 12k rpm
- Haas VF3 4 Axis CNC Vertical Machining Center 40"x20"x20" Travels – 12,000 Spindle rpm
- Chiron FZ 08 W Machining Center, 17" x 10" x 11" Travels – 10,500 rpm
- Mori Seiki TV-30 High Speed Drill & Tap Machine
- Viper VMC-2100 AG 3 Axis CNC Vertical Machining Center 81" x 41" x 32" Travels
- Bridgeport EZ Trac CNC 3 Axis Vertical Milling Machine 36" x 12" x 16" Travels

CNC Turning

- Mazak 200 III Turning Center 20" Swing over bed 20" Center to Center *
 - Mazak 250MS Turning Center with Live Tooling 24" Swing over bed 22" Center to Center *
 - Star SA-16 Swiss Screw Machine, 5/8" bar capacity
 - Star SR-32 Swiss Screw Machine, 1-1/4" bar capacity
 - (2) Daewoo Puma 230 Turning Center 20" Swing over bed 20" Center to Center *
 - Daewoo Lynx 200 Turning Center 18" Swing over bed 20" Center to Center *
 - (2) Hwacheon ECO2SP3 Turning Centers, Dual Spindle/Dual Turret, 15" swing
 - (2) Daewoo Puma 230 MSB Turning Center with Live Tooling and Sub Spindle *
 - Okuma & Howa ACT-5L Turning Center 4.3" Spindle Bore, 23.6" Swing 54" Center to Center
 - Hatachi Seiki HITEC-Turn 23SII Turning Center
 - Hatachi Seiki HITEC-23J Turning Center
 - Bridgeport EZ Path SD CNC Lathe 17" Swing over bed 40" Center to Center
 - Bridgeport EZ Path III SD CNC Lathe 27" Swing over bed 120" Center to Center
- * Machines with Bar Feed Capacity



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Manual / Job Shop Machining

- Tarnow TUJ50M 22" Swing over bed 32" Swing in the gap 80" Center to Center
- Lodge and Shipley 1408 AVS 17 ½" Swing 60" Center to Center
- Sharp Vertical Milling Machine 11"x52" table, 17.5" x 40" Travels
- Sharp Vertical Milling Machine 9" x 42" table, 12" x 30" Travels
- (8) Bridgeport Vertical Milling Machines 9"x48" Table
- Kearney and Trecker 2H Plain Horizontal Milling Machine
- (2) Kearney and Trecker 2H Plain Universal Milling Machine
- American Hole Wizard 4' x 11" Radial Drill Press
- Alumatec Precision Extrusion Saw
- Covel 8" x 24" Surface Grinder
- Davis Keyseater – 1-1/2" Capacity
- Emerson 12 x 16 x 16 Heat Treat Furnace
- Cincinnati #2 Tool and Cutter Grinder
- Assorted Pedestal and Drill Grinders

Inspection Equipment

- Virtek Laser QC Automated Quality Inspection System for 2D Inspection
- Browne and Sharpe Global Image CMM
- 3 Browne and Sharpe Reflex CMM's
- Mitutoyo ATK-F1000 Digital Hardness Tester
- OGP QL-20 Optical Comparator & Measuring Machine
- Fowler Trimos Electronic Height Gage
- NIST Traceable Standards
- Zoeller Tool Pre-setter

Fabricating Equipment

- Amada LC2415A4NT CNC Laser Cutting System 1" Steel Capacity
- Amada HDS 1303NT Series CNC Press Brake 3/8 x 10'
- OTC DR 4000 Robotic Welding Cell
- 22" Hyd-Mech S-20A Fully Automatic Horizontal Bandsaw
- 18" Hyd-Mech V-18 Vertical Bandsaw
- 18" Roll-In Vertical Bandsaw
- 16" x 10" Emerson Horizontal Band Saw
- (8) Miscellaneous Heli-arc Tig, Mig and Stick Welders
- Peddinghaus 140 Ton Ironworker
- Wysong 8FT 100 Ton 5 Axis CNC Press Brake
- Pines CNC Hydraulic Tubing Bender 1.5" Dia. capacity
- Wells 24 x 36 x 36 Blast Cabinet
- Pemsarter – Series 4 Model K
- Euromac MTX Punch Press (5' X 10' X.125 Steel Capacity)
- NS ML100 Tube Grinder (10-114mm Capacity)

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Finishing Equipment

Blast Booth

Metalworx is equipped with a 10' x 10' Blast booth. We utilize many types of media to blast, clean, strip and improve different metal surfaces to customer specifications.

Pre-treatment / Surface Preparation

Our CPR Metal Finishing System provides Metalworx with the benefits of a five stage washer with a one step process. CPR is a closed loop system so all chemicals are environmentally friendly and recycled. Using the PhosBite 101 one step cleaner, pressurized and heated the phosphatizing chemical cleaning process gives Metalworx the top quality surface preparation needed to provide our customers with the quality top coat finish they require.

Automated Powder Coating

Metalworx utilizes Nordson's ColorMax Powder Coating System. The State-of-the-Art ColorMax system has an automated overhead chain driven conveyor to transport parts thru the powder line. With Nordson's 10 gun automated powder booth, accurate coverage and MIL thickness is easily achieved and extremely precise. 3' x 5' openings in our automated line allow Metalworx to handle small and large items. The line has two inline ovens, a pre-gel Infrared oven and the main oven. The line can run at a maximum speed of 15 feet per minute. With a variety of colors, textures and finishes, We can achieve maximum usage of the automated line to professionally process large volume items to small one time runs.

Manual Powder Coating

Metalworx also offers Manual Powder Coating with enough booth space to accommodate up to 8' x 20'. The area also is equipped with a separate 9' x 20' Batch oven. We engineered our coating system to meet the needs of all customers.

Wet Applications

Metalworx Wet Application division offers a variety of different applications and services. With two paint booths (1) 14' x 18' and (1) 14' x 32', we can handle many different size items. Wet applications include but are not limited to Industrial Enamel, Two Part Epoxy's, and Chemical Agent Resistant Coating (CARC).

Assembly /Packaging

Metalworx offers full assembly and packaging services. We know every Customer can have special needs or requirements so we offer a turnkey service to get your products back to you completely finished. Our team of skilled assembly personnel have a vast amount of knowledge and experience in a variety of different fields.

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