

Providing World Class Machining and Fabrications Since 1995

Innovative Machining Facility List

- **Business Established in 1995**
- **Approximately 125,000 square feet of manufacturing space**
- **Entire plant is climate controlled**
- **Turnkey Operations Include:**
 - **Production Machining**
 - **Prototype Machining**
 - **Fabrications**
 - **Value Added Assembly**
 - **Vibratory Finishing Equipment**
 - **Welding**
 - **Part Washing**
- **Equipment and Experience to machine multiple types of material. Included but not limited too: Aluminum, Stainless, Steel, Castings, Forgings, Plastics, and Alloys.**
- **Owns and operates fleet of trucks for local delivery**
- **Software Includes**
 - **ERP: M1**
 - **SolidWorks 2021**
 - **MasterCam 3D 2020**
 - **AutoCAD 2020**
 - **Micro Estimating**

550 Commerce Court Neenah WI, 54956

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Horizontal Machining Centers

Toshiba BP-150 P45 Boring Bar (1)

- Travel | X: 180" Y: 90" Z: 71" W: 32"
- Rotary Table: 36" x 48"
- Tosnuc 888 Control
- 38 Tool Magazine
- Max Weight: 44,000 LBS
- Table: 70" x 180"

Mazak FH-4800 HMC (1)

- Travel | X: 22" Y: 24" Z: 22"
- (2) 400 mm Pallets & (2) Auxiliary Pallets
- Mazatrol 640 CNC Control
- 40 Tool Magazine
- Max Weight: 880 LBS
- Table: 15.75" x 15.75"

Mazak HTC-400 HMC (1)

- Travel | X: 22" Y: 20" Z: 20"
- (2) 400 mm Pallets & (2) Auxiliary Pallets
- Mazatrol M CNC Control
- 30 Tool Magazine
- Max Weight: 660 LBS
- Table: 15.75" x 15.75"

Toshiba BTD-13F, R22 CNC Boring Bar (1)

- Travel | X: 118" Y: 90.5" Z: 63"
- Rotary Table
- Tosnuc 888 Control
- 38 Tool Magazine
- Max Weight: 22,000 LBS
- Table: 86.5" x 70.8"

Toshiba BTD-200QF CNC Boring Bar (2)

- Travel | X: 59" Y: 47" Z: 28"
- Rotary Table
- Tosnuc 888 Control
- 30 Tool Magazine
- Max Weight: 6,600 LBS
- Table: 39.5" x 39.5"

Niigata HN130-B Boring Bar (1)

- Travel | X: 78.8" Y: 61.8" Z: 15.8"
- (2) 1360 mm Pallets & (2) Auxiliary Pallets
- Fanuc 15M Control
- 120 Tool Magazine
- Max Weight: 5,500 LBS
- Table: 52" x 52"

HNK HB-150 Boring Bar (1)

- Travel | X: 118" Y: 98" Z: 63" W: 27.6"
- Rotary Table
- Fanuc 31i Control
- 60 Tool Magazine
- Max Weight: 44,000 LBS
- Table: 78.7" x 86.6"

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Horizontal Machining Centers

Mazak Nexus 6800-II HMC (1)

- Travel | X: 41.3" Y: 35.5" Z: 38.6"
- (2) 630mm Pallets
- Mazatrol Matrix CNC Control
- 120 Tool Magazine
- Max Weight: 3,310 LBS
- Table: 24.5" x 24.5"

OKK HM800S HMC (1)

- Travel | X: 41.3" Y: 35.43" Z: 34.64"
- (2) 800 mm Pallets
- Fanuc 31i Control
- 60 Tool Magazine
- Max Weight: 2,645 LBS

Mazak HCN 6800(2)

- Travel | X: 41.3" Y: 35.5" Z: 38.6"
- (6) 630mm Pallets
- Mazatrol Smooth Technology Control
- 160 Tool Magazine
- Max Weight: 3,310 LBS
- Table: 24.5" x 24.5"

SMART NX 7000 (1)

- Travel | X: 39.4" Y: 37.4" Z: 41.3"
- (2) 630mm Pallets
- Fanuc 31i Control
- 64 Tool Magazine
- Max Weight: 2,640 LBS

Vertical Machining Centers

Mazak VTC 200G 4-Axis VMC (1)

- Travel | X: 154" Y: 20" Z: 26"
- Rotary A Axis
- Fusion 640M Conversational Control
- 48 Tool Magazine
- Max Weight: 4,600 LBS

Sigma SDV 3219 (1)

- Travel | X: 125" Y: 75" Z: 39"
- Fanuc 18i Control
- 40 Tool Magazine
- Max Weight: 20,000 LBS

Mazak Nexus 510-II(1)

- Travel | X: 41.3" Y: 20" Z: 20"
- Mazatrol
- 30 Tool Magazine
- Max Weight: 2,640 LBS

Mazak VTC 300C VMC (2)

- Travel | X: 65.25" Y: 30" Z: 26"
- Rotary A Axis
- Mazatrol 640MN Control
- 24 Tool Magazine
- Max Weight: 3,300 LBS

Trak VMC (2)

- Travel | X: 36" Y: 16"
- Protrak CNC Control

Trak DPM V7 Milling Machine (1)

- Travel | X: 60" Y: 23" Z: 20.5"

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CNC Lathe Machining Centers

Mazak Quick Turn Nexus 400-II (1)

- Max Chuck Diameter: 18"
- Max Turning Diameter: 22.8"
- Max Turning Length: 80"
- Max Through Bore: 3.6"
- Max Swing: 33.2"

Doosan LB 4100LB (1)

- Max Chuck Diameter: 19"
- Max Turning Diameter: 21.7"
- Max Turning Length: 82.4"
- Max Through Bore: 5.2"
- Max Swing: 31.1"
- Two Axis

Doosan Puma 2600-II Y (1)

- Twin Chuck Diameter: 10" & 8"
- Max Turning Diameter: 14.8"
- Max Turning Length: 29.9"
- Live Tooling
- Automated Bar Feeder

Mazak Quick Turn Nexus 350-II (1)

- Max Chuck Diameter: 12"
- Max Turning Diameter: 16.5"
- Max Turning Length: 23.8"
- Max Through Bore: 4"
- Max Swing: 26.7"

Southwestern Trak-1630XSX (1)

- Max Chuck Diameter: 8"
- Max Turning Diameter: 13.8"
- Max Turning Length: 30"
- Max Through Bore: 2.1"
- Max Swing: 16"

Southwestern Trak TRL 2640V (1)

- Max Chuck Diameter: 21"
- Max Turning Diameter: 21"
- Max Turning Length: 55"
- Max Through Bore: 4"
- Max Swing: 24"

Fabrication Department

Flow I-6024 Dual Zone Waterjet (2)

- 5 Axis with Dynamic Cutter Head
- 87,000 PSI
- Twin 6' x 12' Work Envelope
- 8" Cutting Thickness
- Flow Master PC Controller

DadsonK1375-1 Fagor Gundrill (1)

- Knee Type
- 3 Axis
- 13.75" diameter x 31' Blind Depth
- 62" Through Depth

Marvel Cut-Off Saw 380X-PC60 (1)

- 15" x 20" Capacity
- Touch Screen Programmable Control
- Programmable Miter Cutting & Bar Feed

Marvel Saw Spartan PA13/3EPL (1)

- 13' x 14" Capacity
- Programmable bar feed with bundle

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Fabrication Department

Mitsubishi FA10 CNC Wire EDM (1)

- Max workpiece dimensions: 31.4" x 23.36" x 8.4"
- Max Weight: 1,100 LBS

Welders

- AWS Certified Welders | D1.1, D14.8, 15.1
- Miller 350P Pulsed MIG Welder (350amp)
- Miller 351 TIG Welder (350amp)
- Lincoln 255 Deltaweld 451 MIG Welder (450amp)
- Lincoln CV-300 MIG Welder (300 amp)
- Lincoln DV-400 MIG Welder (400 amp)
- Miller Millermatic 185 MIG Welder (200 amp)

Presses

- 55 Ton Hydraulic Press (1)
- 6 Ton Arbor Press (1)
- 12 Ton Press Master - Broach Press (1)

Okamoto Precision Surface Grinder (1)

- 14" x 6" Table

SPX Power 100 Ton H-Frame Press (1)

- Electric Pump, Dual Acting Cylinder

Weld Equipment

- Weld Platen Tables (8)
 - 5' x 5' (6)
 - 5' x 8' (2)
- Welding Tables
 - 60" x 96" (1)
 - 48" x 144" (2)
- Weld Positioner
 - Table Diameter: 24
 - Horizontal Weight: 1,750 LBS
 - Vertical Weight: 1,000 LBS

Quality Control Equipment

Brown and Sharpe CMM Global S (1)

- Travel: 47.24" x 59.06" x 39.37"

Brown and Sharpe CMM (1)

- Travel: 27.6" x 39.4" x 25.6"

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Quality Control Equipment

Romer 7540 Portable CMM Arm (1)

- 6 Axis arm for Tactile Measurements
- Measuring Range: 13.1 Feet (4.0m)
- Point Repeatability: +/- 0.0022" (0.055mm)
- Volumetric Accuracy: +/- 0.0027" (0.069mm)

Misc Quality Equipment

- Granite Surface Plates (2)
 - 48" x 72"
- Mitutoyo Digimatic Height Gages (2)
 - 24"
 - 40"
- Starrett Inside Micrometers
 - Up to 40"
- Federal Portable Surface Roughness Gage
- Mitutoyo Gage Blocks
- Mitutoyo Micrometers
 - 0" to 24"
- Mitutoyo Dial Bore Gages
- Brown and Sharpe Tri-Micrometers
 - 0.200" to 6"
- Mitutoyo Vernier Caliper
- Regal Beloit Thread Gages

Paint and Prep Department

Wet Paint

- Paint Booth: 8' H x 12' W x 20' L (1)

Powder Coat Paint

- Paint Booth: 9' H x 11.5' W x 16' L (1)
- Prep: Sand blast booth. 1-1.5 mil blast profile

Prep Equipment

- Pressure Blast Cabinet: 48" x 48"
- Abrasive Finishing Vibratory Tumbler (2)
 - Burr Bench Model 2016
- Vibratory Bowl Finishing Machine
 - Model AB-14
- Alliance Aquamate RF-3648 Parts Washer
 - Rotary Table
 - Basket: 36" Diameter x 48" Height
 - Weight: 1,250 LBS
- Sand Blast Booth
 - 9' H x 13' W x 18' L
- Paint Oven
 - 8.5' H x 8' W x 15.5' L
- Bead Blast Booth
 - 23" H x 36" W x 24" L
 - Application: Stainless Steel Parts

Value Added Assembly

Assembly Capabilities

- Approximately 60,000 square feet of assembly bays
- Max Lifting of 10 Tons at 20 Ft
- Customer offices with private entrances
- Mechanical and pneumatic assembly

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