



Miro Manufacturing Inc.

201 Sentry Drive, Waukesha, WI 53186

(262) 549-6685

www.miomfg.com



Capabilities & Equipment

Metal Stamping

1,000 ton Verson straight side press

- ▶ Bolster: 60" x 144"
- ▶ Shut height: 36.25"
- ▶ Coil handling system: 48" max. width

600 ton Brown Boggs straight side press

- ▶ Bolster: 54" x 84"
- ▶ Shut height: 29"
- ▶ Air cushion

400 ton Heim straight side press

- ▶ Bolster: 49" x 102"
- ▶ Shut height: 22.625"

330 ton Komatsu servo press

- ▶ Bolster: 47.2" x 94.5"
- ▶ Shut height: 23.6"
- ▶ Coil handling system: 36" max. width

250 ton Niagra gap frame press

- ▶ Bolster: 34" x 40"
- ▶ Shut height: 20.0"
- ▶ Coil handling system: 24" max. width

150 ton Bliss straight side press

- ▶ Bolster: 42" x 60"
- ▶ Shut height: 17.375"

(2) 100 ton Verson straight side presses

- ▶ Bolster: 34" x 48"
- ▶ Shut height: 14.5"

60 ton Bliss OBI press

- ▶ Bolster: 21" x 32"
- ▶ Shut height: 14.25"

Tool Room

- ▶ Full service, on site
- ▶ In house design with Logopress3 on SolidWorks
- ▶ New die builds
- ▶ Repairs, maintenance, engineering changes
- ▶ Jigs, fixtures, gages
- ▶ Wire EDM

Fabrication

Mitsubishi 3015eX - 45CF-R CO₂ laser

- ▶ Maximum work piece: 60" x 120"
- ▶ Wattage output: 4,500

Mitsubishi X4-Series MW-X4-612 waterjet

- ▶ Maximum work piece: 72" x 144"
- ▶ 60 H.P. / 90,000 PSI pump
- ▶ 4 axis control
- ▶ Automatic taper control

360 ton SafanDarley H-Brake Ultra CNC press brake

- ▶ Bed length: 14'
- ▶ E-Bend L Blue angle measurement system
- ▶ E-Mate 2000 CNC bending aid table

190 ton AccurPress Accell CNC press brake

- ▶ Bed length: 12'
- ▶ 6 axis back gauge

60 ton AccurPress CNC press brake

- ▶ Bed length: 8'

MIG welding

- ▶ Miller Invision
- ▶ Miller CP
- ▶ Miller Millermatic

TIG welding

- ▶ Miller Syncrowave

Armiglo K20E spot welder

- ▶ 20 KVA, 12" throat

Taylor Winfield ERE-12-150 spot/projection welder

- ▶ 150 KVA, 12" throat

(2) Bancroft 500 rotary MIG welders

- ▶ 300 amp
- ▶ 18" maximum diameter welding capability

Image Industries Digital Arc & Capacitor Discharge Stud Welders

Branson 8400 Ultrasonic Welder



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Machining

Takumi V-22A CNC VMC

- ▶ Max. travel: 86.625" (X) x 34.375" (Y) x 30.0" (Z)
- ▶ 35 H.P. motor
- ▶ 32 tool magazine
- ▶ Max. work piece weight: 8,000 lbs.

SMTCL VMC1600B/50T

- ▶ Max. travel: 63" (X) x 31" (Y) x 31.5" (Z)
- ▶ 8,000 rpm CAT-50 spindle
- ▶ Coolant through spindle
- ▶ 25 H.P. motor

Hurco VMX50-40 CNC VMC

- ▶ Max. travel: 50" (X) x 26" (Y) x 24" (Z)
- ▶ 24 H.P. motor
- ▶ 24 tool magazine
- ▶ Max. work piece weight: 3,000 lbs.

Milltronics VM4020 CNC VMC

- ▶ Max. travel: 40" (X) x 20" (Y) x 20" (Z)
- ▶ 10,000 rpm BIG-PLUS® dual contact spindle
- ▶ Double anchored ball screws
- ▶ Max. work piece weight: 2,000 lbs.

Hitachi Seiki VS-50 CNC VMC

- ▶ Max. travel: 40.0" (X) x 20.0" (Y) x 17.7" (Z)
- ▶ 25 H.P. motor
- ▶ 30 tool magazine
- ▶ Max. work piece weight: 1,650 lbs.

Hurco VMX24 CNC VMC

- ▶ Max. travel: 24.0" (X) x 20.0" (Y) x 24.0" (Z)
- ▶ 10,000 rpm spindle
- ▶ 24 tool magazine
- ▶ Max. work piece weight: 3,000 lbs.

Milltronics VKM 3 axis CNC mill

- ▶ Max. travel: 30" (X) x 15" (Y) x 5.25" (Z)
- ▶ Max. work piece weight: 1,500 lbs.

(4) Clausing FV-300 CNC vertical mills

- ▶ Proto Trak MX2 controls

K&T 310-S15 horizontal mill with vertical head

- ▶ Table size capacity: 15" x 68"

Machining (continued)

Milltronics ML22/60 Lathe

- ▶ Max. travel: 13" (X) x 63.5" (Z)
- ▶ 8 Station 1" automatic turret
- ▶ 3.22" Spindle bore
- ▶ Thread chasing feature
- ▶ Solid box way bed construction

(6) Surface grinders

- ▶ 3 axis automatic capability
- ▶ Maximum table size: 20" x 40"

(3) Radial drill presses

- ▶ Maximum column diameter: 17"
- ▶ Maximum arm length: 7'

EDM

(2) Mitsubishi MV2400 wire EDM

- ▶ Max. travel: 23.6" (X) x 15.7" (Y) x 16.7" (Z)
- ▶ Submerged machining to 16.5" deep
- ▶ Automatic threader

Current ST-300 drilling EDM

Quality

FaroArm Edge Laser Scanner / Portable CMM

- ▶ 3D laser scanning capability
- ▶ 9' working volume

Excel Micro-Vu 1054UM/UC

- ▶ 12:1 zoom lens capable of 926 X magnification
- ▶ Renishaw touch probes for CMM mode
- ▶ 1050mm x 1050mm x 400mm working area

Tesa-Hite 700 Magna System

- ▶ Computerized digital height gauge
- ▶ Measuring span: 28"

Lifting Capabilities

- ▶ Overhead bridge crane capacity: 20,000 lbs.
- ▶ Forklift capacity: 35,000 lbs.