



Miro Manufacturing Inc.

201 Sentry Drive, Waukesha, WI 53186

(262) 549-6685

www.miromfg.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

190 ton AccurPress Accell CNC press brake

- ▶ Bed length: 12'
- ▶ 6 axis back gauge
- ▶ Wila precision tooling

60 ton AccurPress CNC press brake

- ▶ Bed length: 8'

Miller Invision MPa Plus welder

- ▶ 450 amp power source
- ▶ D-74 MPa Plus wire feeder

Miller CP-302 wire feed DC welder

Miller Millermatic 250 wire feed DC welder

Miller Synchrowave 250 AC/DC TIG welder

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 SW1200 Digital ARC Stud Welder

Image Industries CD66 Capacitor Discharge Stud Welder

Branson 8400 Ultrasonic Welder



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Machining

Yamage YMV-800GP CNC VMC

- ▶ 24 tool magazine
- ▶ 50 H.P. motor
- ▶ Max. travel: 86.5" (X) x 31.5" (Y) x 27.6" (Z)
- ▶ Max. work piece weight: 10,000 lbs.

Takumi V-22A CNC VMC

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

Hitachi Seiki VS-50 CNC VMC

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

Hurco VMX50-40 CNC VMC

- ▶ 24 tool magazine
- ▶ 24 H.P. motor
- ▶ Max. travel: 50.0" (X) x 26.0" (Y) x 24.0" (Z)
- ▶ Max. work piece weight: 3,000 lbs.

Hurco VMX24 CNC VMC

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

SuperMax 3 axis CNC vertical mill

- ▶ Fagor control

Lagun horizontal mill

- ▶ Table size capacity: 15" x 72"

K&T 310-S15 horizontal mill with vertical head

- ▶ Table size capacity: 15" x 68"

Machining (continued)

(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'

Multiple-spindle drill presses

Bridgeport EZ Path II CNC lathe

- ▶ 20" x 40"

Clausing 15" x 50" engine lathe

EDM

(2) Mitsubishi FA20 wire EDM

- ▶ Automatic threader
- ▶ Max. travel: 19.685" (X) x 13.77" (Y) x 11.81" (Z)

Mitsubishi RA 90 wire EDM

Current ST-300 drilling EDM

Quality

Excel Micro-Vu 1054UM/UC

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

FaroArm Edge portable CMM

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

Tesa-Hite 700 Magna System

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

Lifting Capabilities

- ▶ Overhead bridge crane capacity: 20,000 lbs.
- ▶ Forklift capacity: 17,000 lbs.