



Miro Tool & Mfg., Inc.

201 Sentry Drive, Waukesha, WI 53186

(262) 549-6685 • Fax (262) 549-4197

www.miro-tool.com



Capabilities and Equipment List

Engineering

Offering complete engineering, design and programming services utilizing the following software:

- AutoCAD 2004
- Pro ENGINEER WildFire 4.0
- VISI-Series 14.0
- Mechanical Desktop 8.0
- Inventor 8.0
- Mastercam X 3D, Solids
- ESPRIT 4.0
- FASTBLANK 4.0
- AutoForm Simulation
 - One Step Inverse
 - Incremental

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

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.

Machining (continued)

Hitachi Seiki VS-50 CNC VMC

- 30 tool magazine
- 25 H.P. motor
- 12,000 rpm spindle
- Max. travel: 40.0" (X) x 20.0" (Y) x 17.7" (Z)
- Max. work piece weight: 1,650 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.

(4) Clausing FV-300 CNC vertical mills

- Proto Trak MX2 controls

(4) Clausing FV-1 CNC vertical mills

- Acu-Rite controls

SuperMax 3 axis CNC vertical mill

- Fagor control

(4) Lagun horizontal and vertical mills

- Table size capacity: 15" x 72"
- Max. work piece weight: 3,000 lbs.

Cincinnati #4 horizontal and vertical mill

(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 20" CNC turning center

Clausing 15" x 50" engine lathe

1/2011 • Version 9.3



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Capabilities and Equipment List

Stamping Presses

1,000 ton Verson straight side press

- Bolster: 60" x 144"
- Shut height: 36.25"
- Coil handling system: 48" maximum width

400 ton Heim straight side press

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

150 ton Bliss straight side press

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

100 ton Verson straight side press

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

100 ton Minster straight side press

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

60 ton Bliss OBI press

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

Quality Control

Dea Mistral 100705 CMM

- SPC and gage R&R software

Tesa-Hite 700 Magna System

- Computerized digital height gauge
- Measuring span: 28"

Scherr Tumico optical comparator

Lifting Capabilities

Overhead bridge crane capacity: 20,000 lbs.

Forklift capacity: 20,000 lbs.

Fabrication

Mitsubishi Suprema DX510 waterjet

- Table size: 5' x 10'
- 50 H.P. / 90,000 PSI pump
- 4 axis control
- Intelligent Taper Control
- Accuracy and repeatability: +/- 0.002"

Amada COMA-567 turret punch press

- Press capacity: 55 tons
- 44 stations with Auto-Index
- Max. sheet size: 60" x 144"
- Max. sheet thickness: 0.375"

Mitsubishi 2512LPX 2D laser

- Max. work piece: 48" x 96"
- Max. material thickness: 0.500" HRS
- Wattage output: 2,000

AccurPress Accell CNC press brake

- Press capacity: 190 tons
- Length of bed: 12'
- 6 axis back gauge
- Wila precision tooling

60 ton AccurPress CNC press brake

- Press capacity: 60 tons
- Length of bed: 8'

Miller CP-250TS wire feed DC welder

Miller Syncrowave250 AC/DC TIG welder

Di-Acro Model 8 power bender

- Max. radius: 24"
- Max: degree of bend: 360°

Niagara 8-8 circle shear

- Circle diameter: 8" min. to 72" max.
- Max. material thickness: 8 ga.