

**METRO MACHINE, INC.**  
**FACILITY LIST**

QUALITY ASSURANCE

ISO9001:2015 **CERTIFIED** System

AS9100 Rev D. **CERTIFIED**

E2 MRP Manufacturing System

Climate-controlled QC Lab and Shop areas

2010 Zeiss 12/18/10 DCC/CMM (Measure 52x 72y 36z) w/ Calypso Software

Spectrum 7/10/6 RDS with VAST XXT (TL3)

Zeiss Workstation with Calypso Software offline programming

Trimos V600+ computerized 24" Height gage

Deltronic DH214 Optical Comparator with MPC-5 Controller.

Covel 14" optical comparator (projection/reflection)

B & S 18" height micrometer with 10" riser

24" X 36" surface plate (qty 3)

Gage block sets (2)

Gage pin sets (4)

Airtronics METROsurf profilometer

Federal Products dimensional air gaging equipment

Western Gage dimensional air gaging equipment

Standard and special micrometers

Vernier calipers (24", 40" & 80")

Misc measuring devices

## CAM (Computer Aided Manufacturing)

Mastercam Software Version 2023 with capabilities for transferring and machining electronic files

## CNC MACHINING CENTERS

Makino A61nx-A60 Horizontal 4 axis Machining Center with 14,000 rpm spindle and full 5 axis capability (2011) (26x 26y 32z)

Makino A61nx-A133 Horizontal 4 axis Machining Center with 14,000 rpm spindle (26x 26y 32z)

Makino PS95 Vertical 3 axis Machining Center with 14,000 rpm spindle (2013) (36x 20y 18z)

JOHNFORD 2100 HI-NET BRIDGE MILL Machining Center with Fanuc high speed control and 15,000 rpm spindle (80x 50y 32z)

CINCINNATI MILACRON SABRE-1500 Vertical 4 axis machining center with Acramatic 2100MC control and full contouring fourth axis (60x 30y 30z)

CINCINNATI MILACRON 7VC-750 Vertical 4 axis machining center with Acramatic 850 control and full contouring fourth axis (30x 15y 20z)

CINCINNATI MILACRON 10VC-1000 Vertical 4 axis machining center with Acramatic 900 control and full contouring fourth axis (40x 20y 20z)

CINCINNATI MILACRON SABRE-1250 Vertical 4 axis machining center with Acramatic 2100MC control and full contouring fourth axis (50x 30y 30z)

HAAS UMC-750 Vertical 5 axis machining center with 12,000 rpm spindle (30x20x20)

HAAS Vertical Machining Center, VF-2SSY, with pallet pool, 12,000 rpm spindle (30x 20y 20z)

## CNC TURNING CENTERS

MORI SEIKI NLX2500SY/700, 2 Spindle, 7 Axis Turning Center with .00001 Programming Resolution, M730BM High Speed, High Accuracy Control

HAAS SL-20 APL TURNING CENTER (2" BAR- 8" CHUCK) with automatic parts loading

HARDINGE SUPER-PRECISION CHNC II+ chucker and bar machine with general numeric 10TF control

HARDINGE CONQUEST 51 SP Super-Precision turning center with Fanuc O-TC control

HARDINGE CONQUEST T42 Super-Precision turning center with sub spindle and Fanuc 18-T control

HARDINGE CONQUEST 51 SP Super-Precision turning center with sub spindle and Fanuc 18-T control (2" dia. X 12' long bar feed – 8" chuck)

## MILLING MACHINES

Bridgeport Series I with Accurite 2 axis control (2 each)

## LATHES

WEBB 20 1/2" X 60" gap bed lathe with 30" swing thru gap

OKUMA MODEL LS 19" X 54" engine lathe

OKUMA MODEL LK 14" X 36" engine lathe

HARDINGE PRECISION DSM-59 lathe with bed turret and tailstock (qty 2)

HARDINGE HSL-59 second operation lathe

## GRINDERS

REID 6" X 18" surface grinder with magnetic chuck

K.O.LEE C1020 N2 CNC ID/OD GRINDER

## DRILLS

Dayton drill Press (2 each)

## SAWS

H.E.M. model H75A horizontal band saw (10" bar capacity with automatic stock feed)

GROB vertical band saw with blade welder (18" throat)

## SHEET METAL

PEXTO 48" shear

DIACRO 36" power roll

DIACRO 24" finger brake

## WELDING

## DEBURRING

SPIRATRON - Roto-Finish finishing/tumbling machine

ROTO-FINISH Centrifugal Barrel finishing machine

ROCKWELL 6" belt sander

ROCKWELL 12" disc sander

## MISC SUPPORT EQUIPMENT

HANNIFIN 50 ton hydraulic press

DAKE #1 arbor press (qty 2)

BRANSON ultrasonic insert gun

BRANSON ultrasonic cleaning tank

SUNNEN MBB-1650 horizontal wet honing machine

KELLER die filer

ROCKWELL pedestal grinder

BALDOR pedestal grinder

6" carbide grinder - dual wheel

TIMCO dry blast with dust collector

SULLAIR 50 hp rotary air compressor

ACCU-FINISH, Series II ceramic and diamond lap grinder

EKKO EK07S, Electric Counterbalanced Stacker Forklift