



Equipment List

CNC Lathes

- 1 Haas HL-4, New 1997, 24" dia x 34", 30 hp.
- 1 Haas SL-40, New 2003, 25" Dia. x 44" Length, 40 hp.
- 1 Haas ST-30, New 2012, 21" Dia. x 26" Length, 30 hp.
- 1 Haas ST-25, New 2018, 15" Dia x 21" Length, 30 hp.

Conventional (sinker) EDM

- 1 Mitsubishi EX22 , new 1997, C-Axis (Orbit),15 x 19 x 16, 80 amp power source.

Wire EDM

- 1 Agie Agiecut 250 HSS, new 1995
- 1 Mitsubishi FX20K , new 1998, 15 deg taper, 20"X14"X12"
- 1 Mitsubishi MVR2400R, new 2018, 15 deg taper, 23"X15"X12"

EDM Hole Popper

- 1 Genspark America, model DZNC TD-25, 12" X 12" X 16" table (Z)

CNC Vertical Milling Machines

- 1 Haas VF6, 20 station ATC, new 1996, 64"X32"X30", 4th axis, 15 hp
- 1 Haas VF4, 20 station ATC, new 1996, 50"X20"X25", 5th axis, 15 hp
- 2 Haas VF3, 20 station ATC, new 1997, 40"X20"X25", 4th axis, 15 hp
- 1 Haas VF2, 24 station ATC, new 2005, 30"X16"X20", 4th axis, 20 hp, 10,000 rpm.
- 1 Haas VF9, 40 station ATC, new 2008, 80"X40"X30", 5th axis, 30 hp, 10,000 rpm
- 1 Haas VM2, 24 station ATC, new 2018, 30"X20"X20" Full 5 axis, 30 hp, 12,000 rpm

CNC Universal Milling Machine

- 1 Haas UMC-750, new 2014, 30"X20"X20" (XYZ) Full 5 axis 30 hp., 8100 rpm

CNC Support Equipment

- 1 TRAK K3-EMX Knee Mill, new 2013, 32"X15.5", 2 axis CNC
- 1 TRAK K3-SX Knee Mill, new 2013, 32"X16", 2 axis CNC
- 1 TRAK Lathe, New 2012, 16" Dia. X 30" w/ProtoTRAK SLX CNC
- 2 Haas 4th Axis Rotary Tables
- 1 Haas TRT210 - 2 - Axis Tilting Rotary Tables
- 1 Haas TR310 Trunnion style - 2 - Axis Tilting Rotary Table
- 1 Haas TR160 Trunnion style – 2 – Axis Tilting Rotary Table

Jig Grinders

- 2 Moore Model 3_, 11"X24" table, Mitutoyo DRO mdl PM32-L

Jig Borers

- 2 Moore Model B-18, new 1988, Anilam DRO



Equipment List

Bridgeport Milling Machines

- 1 S/N 272743, 2 hp series I variable speed, 48"table, power feed, Acurite DRO
- 1 S/N 274786, 2 hp series I variable speed, 48"table, power feed, Acurite DRO
- 1 S/N 272735, 2 hp series I variable speed, 48"table, power feed, Acurite DRO
- 1 S/N 270790, 2 hp series I variable speed, 48"table, power feed, Acurite DRO
- 1 S/N 21820, 2 hp series I variable speed head, 42" table, power feed, Mitutoyo DRO

Engine Lathes

- 1 Mori Seiki MS1250G, new 1978, 17" X 80" capacity, Mitutoyo DRO
- 1 Hardinge HLVH, 11" X 18", Acurite III DRO

Surface Grinders

- 1 Okimoto, 12"X 24" capacity
- 1 Okimoto, 6"X 18" capacity
- 1 Boyar Shultz 6-18
- 2 Boyar Shultz 6-12
- 1 Harig 618W

Miscellaneous Fabricating support Equipment

- 1 DoAll vertical bandsaw
- 1 Kalamazoo horizontal bandsaw
- 1 Thermotron Oven, with chart writer

Inspection Equipment

- 1 Zeiss Eclipse 700, CNC Coordinate Measuring Machine (CMM), New 2002, with RDS, Renishaw Probe and Calypso software.
- 1 Surface Plate 3' X 6' Grade A
- 2 Interapid Dial Indicators .0001
- 1 (Set) Outside Micrometers 0"-28"
- 1 (Set) Inside Micrometers 0"-12"
- 1 Mitutoyo model PH-A14, 14" Optical Comparator with QM-Data 200
- 1 (Set) Mitutoyo Blocks .050-4" Grade 2
- 1 Moore Sine Plate 10"
- 1 (Set) Bore Gages .150-6"
- 1 Wilson Rockwell Hardness Tester
- 1 Nikon 10X Microscope, video feed, Mitutoyo digital micrometer heads.
- 1 Precisionaire column and related air gages.
- 1 Mahr Federal 24" digital height gage, model 817 CLM
- 1 Optical flat with light source

Electronic Communication and Climate Control

We can view and make CAD files.

We utilize Mastercam, Virtual Gibbs, Solidworks and Esprit software for CNC programs.

Our entire 12,000 sq. ft. manufacturing area is temperature controlled.