



PROCESS CAPABILITIES

CNC MILLING EQUIPMENT

DMU 65 MonoBLOCK 5-Axis Machining Center with swivel rotary table (2)
Okuma M460V 5-Axis Vertical Machining Center
Okuma MA-600H(II) Horizontal Machining Center
Okuma MA-500H(II) Horizontal Machining Center (2)
Okuma MA-500HB Horizontal Machining Center (3)
Okuma MA-400HA Horizontal Machining Center (3)
Okuma MB4000H 6 pallet Horizontal Machining Center
Mori Seiki NH6300DCG 4-Axis Horizontal Machining Center

Mori Seiki NHX5000/40 4-Axis Horizontal Machining Center
Mori Seiki DuraVertical 5100 Machining Center (7)
Mori Seiki F-M1 4-Axis Vertical Machining Center (2)
Mori Seiki MV-40M Vertical Machining Center (4)
Mori Seiki MV-Frontier-M Vertical Machining Center
Mori Seiki MV-Junior-M Vertical Machining Center
Makino 4-Axis A71 Horizontal Machining Center
Makino KE55 Machining Center

MILLING EQUIPMENT (Manual Mills)

Bridgeport Series 1 with Trak A.G.E. (2)
Horizontal Mill (Tiger, Cincinnati, Hitachi Seiki)

Bridgeport Series 1 (6)

CNC TURNING EQUIPMENT

Mori Seiki NL2500 Turning Center (2)
Mori Seiki NLX2500/1250 Turning Center (live milling)
Mori Seiki NL2500Y/700 Turning Center (live milling)
Mori Seiki NLX2500/700 Turning Center (live milling)
Mori Seiki ZT2500Y Twin Spindle Turning Center (live milling)
Mori Seiki ZT2500 Twin Spindle Turning Center
Mori Seiki SL250B/1250 Turning Center
Mori Seiki SL250B/500 Turning Center
Mori Seiki DuraTurn 2550 Turning Center (3)
Mori Seiki CL25A Turning Center

Mori Seiki NLX2500/700 w/ Sub-spindle and Quick Load Magazine Bar Feeder (live milling)
Mori Seiki CL203B/500 Turning Center
Mori Seiki DL151Y Turning Center (2)
Miyano BNC-20 w/ LNS Super Hydro Bar Feeder
Miyano BNC-34A2 w/ LNS Super Hydro Bar Feeder
Miyano BNA-42 w/LNS Super Hydro Bar Feeder (live milling) (2)
Okuma LT3000 EX 2 Spindle Turning Center (live milling)
Okuma LT2000 EX Twin Spindle Turning Center w/ LNS Bar Feeder (live milling)
Okuma LU3000 EX Turning Center

TURNING EQUIPMENT (Manual Lathes)

Mori Seiki MH-1500G 24"x 60" Engine Lathe
Standard Modern 13"x 40" Engine Lathe
Mori Seiki ML-850 16"x30" Engine Lathe

Goodway GW1440 Engine Lathe
Hardinge Lathe
Whacheon HL460 18"x 60" Lathe

CNC GRINDING EQUIPMENT

Studer S30 Lean Pro, Universal ID/OD- 13 1/2" dia. x 36" length
Studer S33, OD Grinder- 13 1/2" dia. x 26" length (2)
Studer S33, Universal ID/OD- 13 1/2" dia. x 36" length

Studer FavoritCNC, OD Grinder- 13 1/2" dia. x 26" length
Royal Master TG Centerless Grinder-1 1/2" dia. x 4" length

GRINDING & FINISHING EQUIPMENT

Cincinnati #2 with automatic infeed - 4" dia. Capacity
Mattison Blanchard type - 36" magnetic chuck (2)
Excello Center Lap
Okamoto Linear G18D Surface Grinder
Okamoto Acc12-24Dx Surface Grinder

Heald 72A- chuck to 16"
Heald 273A - 18" swing
Sunnen ML2000 Horizontal Honing Machine
Sunnen ML5000 Horizontal Honing Machine
Sunnen SV-10 Vertical Honing Machine

CNC EDM EQUIPMENT (Nadcap Non-Conventional Machining Wire & Sinker)

Sodick 3-Axis AG60L (LN2) LP60 Linear Drive Sinker EDM (2)
Sodick 3-Axis AG600 + LN2W Wire EDM

Sodick K3HN (LK2) Hole Popper
AccuteX 5-Axis SP-600i Wire EDM

WELDING & FABRICATING EQUIPMENT

Miller Dynasty 350 Tig Welder (FAA Qualified)
Millermatic 350P Pulsed Mig Welder

Tennsmith 48" Brake
Dennison 20-ton C-Frame Press



PROCESS CAPABILITIES

Miller Spectrum 875 Plasma Cutting System
Tennsmith 48" Shear

Oxy/Fuel Brazing, Welding, Cutting (AWS D17.1, MIL-STD-1595A)
72" x 144" x 1" Layout Table

DEBURRING AND BENCH EQUIPMENT

Almco Vibro Burr
Sweco Vibro Burr
Die Grinders, Pneumatic Riveters

Polishing and Blending Stations (3)
Twister Speed Lathe

AUXILIARY EQUIPMENT

Parlec Tool Presetters (3)
Drill Presses
Amada HA-250W Production Saw (2)
Black Diamond Drill Grinders (3)
Storopak FOAMplus Packaging System

Marvel Series 8 Mark II Universal Band Saw
Accu-Finish Tool Grinder
IMPCO 1140 SCM Centerless Polisher
GEM Centerless Polisher
Trumpf Trumark Station 5000 Laser Marker (2)

CLEANING & SURFACE PREPARATION EQUIPMENT

Glass Bead Blasting
Sand Blasting
Aqueous Clean Line

Plastic Blasting
Soda Blasting

PRODUCTION/ENGINEERING AIDS/RAPID PROTOTYPE EQUIPMENT

AutoCAD LT2012, AutoCAD Mechanical 2010
Gibbs Cam 3,4,5 axis Dimensional Programming Software
Surfcam 3 Dimensional Programming Software
ESI M1 Bus. Mgmt. ERP/MRP Software
Enovia DMU-1
Lulzbot TAZ 6 3d Printer
Gigabot 3+ XLT900 3D printer (23"x30"x36" capacity)

Metacut Utilities
Wireless PC-DNC w/drip feed to all machines
One CNC
Solid works 2017
Simplify 3D software
Mastercam
InspectionXpert

HEATING & CHILLING EQUIPMENT + ASSEMBLY

Blue M Oven 203B-1 temperatures to 400° F
So-Low Freezer PR130-5 temperatures -40° to -120° F
So-Low Freezer C85-9 temperatures -40° to -120° F

Hydraulic 5-ton Arbor Presses (5)
Hydraulic 20-ton C-Frame Press
Hardware Installation Stations (3)

ELECTRONIC ASSEMBLY EQUIPMENT

Weller Soldering Station per IPC J-STD-001
Electronics Encapsulation (potting)

QUALITY SYSTEM

AS9100:2016 with ISO 9001:2015 without Design

INSPECTION EQUIPMENT

Hexagon B & S Global_Advantage CMM, size 9158

V. E. Lynx Stereo Microscope w/camera



PROCESS CAPABILITIES

Hexagon B & S Global Advantage CMM, size 9128
Mitutoyo CRT PM7106 CMM
Mitutoyo CRT PM574 CMM
"Perthometer" S2(W/PZK) Surface Measuring System
Profile Comparator (3)
Rockwell Tester, Standard and Superficial
Brinell Tester
Federal Maxum Electronic Gage Tower
Sunden Gages
VJ-ADV Articulating Borescope
SPC/Cpk Monitoring
Millipore Test
Pressure Test per Customer Requirements

V. E. Mantis System 510 Microscope
V. E. Kestrel Toolmakers Dynascope
MMQ100 "FORMTESTER" GEOMETRY GAGE
GAGEtrak Calibration System
OPTIV Performance 443 Dual Z- Multi-sensor Measurement
Mitutoyo FORMTRACER, SV-C 4500H8
Lennox Fiber Optic Borescope
Marposs E4N Electronic Bore Gage
Helios UMG50 Supermic
Vari-Roll VR-G2 Gear Checker
Dualscope FMP40C