PROCESS CAPABILITIES

Rev AY, 10/27/2026

CNC MILLING EQUIPMENT

DMU 65 MonoBLOCK 5-Axis Machining Center with swivel rotary table (3)
Okuma M460V 5-Axis Vertical Machining Center
Okuma MA-600H(II) Horizontal Machining Center
Okuma MA-500 Horizontal Machining Center (6)
Okuma MA-400HA Horizontal Machining Center (3)
Okuma MB4000H 6 pallet Horizontal Machining Center
Okuma MA4000H 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 (2)
Mori Seiki MV-Frontier-M Vertical Machining Center
Mori Seiki NVX5100
Makino 4-Axis A71 Horizontal Machining Center
Makino KE55 Machining Center
DMG Mori - NHX6300
DMG Mori - CMX1100V

MILLING EQUIPMENT (Manual Mills)

Bridgeport Series 1 with Trak A.G.E. (2)
Horizontal Mill (Tiger, Cincinnati, Hitachi Seiki)
Bridgeport Series 1 (7)
Brideport Phototrack

CNC TURNING EQUIPMENT

Mori Seiki NL2500 Turning Center (3)
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 SL25B/1250 Turning Center
Mori Seiki SL25B/500 Turning Center
Mori Seiki DuraTurn 2550 Turning Center (3)
Mori Seiki CL25A Turning Center
Mori Seiki CL203B/500 Turning Center
Miyano BNC-20 w/ LNS Super Hydro Bar Feeder
Citizen BNA 42 (2)
Citizen BNJ51SY
Okuma LT2000 EX Twin Spindle Turning Center w/ LNS Bar Feeder (live milling)
Okuma LU3000 EX Turning Center
Okuma LT3000 EX Twin Star (2)

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 (2)

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
SuperTec Centerless

GRINDING & FINISHING EQUIPMENT

Cincinnati #2 with automatic infeed - 4" dia. Capacity
Heald 72A- chuck to 16" (2)

Mattison Blanchard type - 36" magnetic chuck (2)
Excello Center Lap
Impco 1140 SCM Centerless Polisher Auxiliary Equipment
Kent KGS-616 surface grinder
Kent Surface Grinder (2)
Okamoto Linear G18D Surface Grinder
Okamoto Acc12-24Dx Surface Grinder
Heald 273A - 18" swing
Sunnen MBB-1660 hone (5)
Sunnen ML2000 Horizontal Honing Machine
Sunnen ML5000 Horizontal Honing Machine
Sunnen SV-10 Vertical Honing Machine
Sunnen SV-35
Sunnen SH4000 Horizontal Hone

EDM (Nadcap Accredited)

Sodick 3-Axis AG60L (LN2) LP60 Linear Drive Sinker EDM (2)
Sodick 3-Axis AG600 + LN2W Wire EDM
Sodick 3-Axis ALN600G

DEBURRING AND BENCH EQUIPMENT

Almco Vibro Burr
Sweco Vibro Burr (2)
Die Grinders, Pneumatic Riveters
Polishing and Blending Stations (3)
Aries Toupe Finish Vibro Burr
Royson Vibro Burr
Twister Speed Lathe

AUXILIARY EQUIPMENT

Parlec Tool Presetters (3)
Drill Presses
Amada HA-250W Production Saw (2)
Amada VT4555M
Black Diamond Drill Grinders (3)
Sealed Air Speedy Packer
Stretch Wraping Machine
Marvel Series 8 Mark II Universal Band Saw
Accu-Finish Tool Grinder
IMPCO 1140 SCM Centerless Polisher
Mooned M-150E Electochemical Etch Power Unit
GEM Centerless Polisher
Trumpf Trumark Station 5000 Laser Marker (2)
Tennsmith 4' Brake

CLEANING & SURFACE PREPARATION EQUIPMENT

Sand Blasting
Econoline Sand & Glass Bead Blaster
Aqueous Clean Line
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 2020
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)

INSPECTION EQUIPMENT

Hexagon B & S Global_Advantage CMM, size 9158
Hexagon B & S Global_Advantage CMM, size 9128
Hexagon Global S CMM, size 9.12.8 (2)
Mahr Millimar Electronic Gage Tower
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
Sunnen Gages
VJ-ADV Articulating Borescope
SPC/Cpk Monitoring
Swift DuoPro Dyna Scope (2)
MARSURF M 410
PH-3500 COMPARATOR W/ M2 SOFTWARE
Millipore Test
Pressure Test per Customer Requirements
V. E. Lynx Stereo Microscope w/camera
V. E. Mantis System 510 Microscope
V. E. Kestrel Toolmakers Dynascope
V. E. MANTIS PIXO 10X SCOPE
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 (2)
MITUTOYO DIGIMATIC HOLTEST

QUALITY SYSTEM

AS9100:2016 with ISO 9001:2015 without Design
Nadcap (Non-conventional Machining - EDM, Wire & Sinker)