



Automated Helicoil Machine

Assembly Capabilities

Comprehensive automated and manual assembly processes. We design and build custom automation equipment to streamline sub-assembly operations. Our projects have included components such as gaskets, Lee plugs, O-rings, and threaded inserts—demonstrating our commitment delivering complete, turnkey solutions.



DMG Mori NLX2500 | 700

Turning Centers/Swiss Lathes

- DMG MORI ALX2500-GX
- (2) Mori Seiki NLX2500
- (3) Mori Seiki NL 2500
- Mori Seiki NL1500
- DMG MORI Sprint 42
- DMG MORI Sprint 32
- DMG MORI Sprint 20 | 5
- DMG MORI NZX2000 | 800
- Mori Seiki SL250
- DMG MORI NLX2500 | 700
- DMG MORI Sprint 20 | 8



DMG MORI DMU60eVo 5-Axis

Machining Centers (CNC Mills - 3, 4, & 5-Axis)

- (8) GROB 5-Axis Double Spindle Machining Centers
- DMG MORI Duravertec eco1035
- DMG MORI DMU60eVo Linear 5-axis Machining Center, Fanuc M710i Robot and 35 pallet changer
- DMG MORI DMU60eVo Linear 5-axis Machining Center, Robotic material loading system



Linear Pallet Pool

Automated Pallet Changers

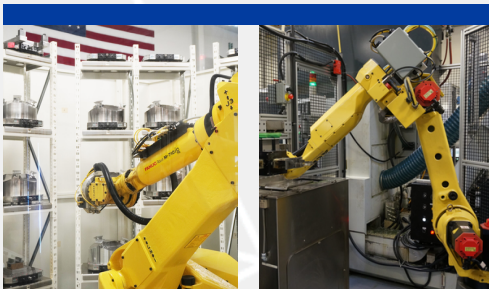
- (3) Mori Seiki Linear Pallet Pools (FMS) with 13 integrated Horizontal Machining Centers
 - LPPII – Linear Pallet Pool, Automated Guided Vehicle, (4) NH4000DCG 4-axis Horizontal Mills
 - LPPIII – Linear Pallet Pool, Automated Guided Vehicle, (5) NH4000DCG 4-axis Horizontal Mills
 - LPPIV – Linear Pallet Pool, Automated Guided Vehicle, (4) H4000DCG 4-axis Horizontal Mills
- DMG MORI NHX4000 - Horizontal Machining Center (LPP) - 5 Tombstones



DMG MORI NTX100-SZM

Mill-Turn

- DMG MORI NTX1000-SZM Mill-Turn Machine with In-Machine Traveling Robot
- (5) Tsugami SS38MH-5AX



Fanuc M710i

Fanuc M20iA

Robotics

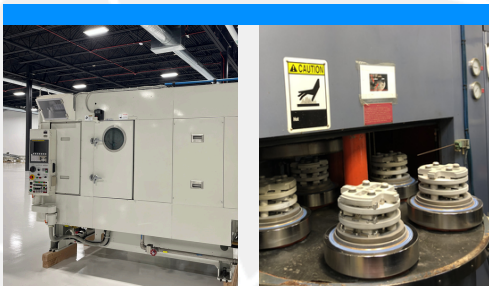
- (5) Fanuc M20iA - Integrated with DMG MORI NL2500 & NLX2500 Lathes
- Fanuc LR Mate 200iB - Integrated with Weldon Grinder
- Fanuc M710i - Integrated with DMG MORI DMU60 5-axis machining cell
- Robotic Automation System - Integrated with DMG MORI DMU60 5-axis machining cell
- Various collaborative and assembly robots



United CPC12000

Deburring & Finishing

- Kennametal Extrude Hone Thermal Deburring System
- United (2) CPC12000, (3) CPC6000, CPC4000
- United CPC250 Deburring Machine
- Automated Deburring – bead blast, high energy
- (3) Sugino 5-Axis Waterjet Deburr Systems with 2 vacuum dryers
- Vibratory Tumblers
- EcoCClean EcocCompact XL Cleaning System
- Durr EcoClean
- CL1000 Clean Laser Ablation System
- Nagel Eco40 - Honing Machine
- OTEC DF 35 - Drag Finishing
- Vixen Automated Blast Cabinet (Sandblaster)
- Manual Deburring Stations
- Magnetic Spinner



Sugino Waterjet

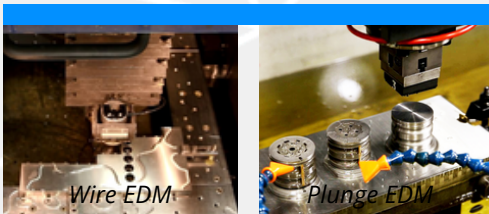
Thermal Deburring



Brown & Sharpe Global Performance CMM

Automated Measurement

- Bluetooth In-Process Inspection Station
- Brown and Sharpe Global Performance CMM
- (2) Mitutoyo Microcord 9106
- Mitutoyo Optical Comparator
- (2) Fowler Baty Venture XT 3030
- Renishaw Equator 500
- Keyence IM-6225 Vision Measurement System
- Keyence TM-040T with Universal Robot
- Keyence TM-065T
- Keyence LS-7030
- ViciVision MTL-1
- Jenoptic Opticline C305 Optical Shaft Measurement



EDM Machining

- Fanuc Robocut Wire EDM Alpha-1 iA
- Mitsubishi AA12D Plunge EDM
- EdmDrill ST300 by Current EDM



Amada Fiber Laser Cutting System

Laser Marking & Cutting

- Amada LCG 3015 AJ Fiber Laser Cutting System
- (2) VersaLaser Engraving System
- SIC Marking XL-BOX 20W Fiber Marking Laser
- Full Spectrum 80W Marking/Cutting Laser
- Epilog Fusion M2 Marking/Cutting Laser

Grinding

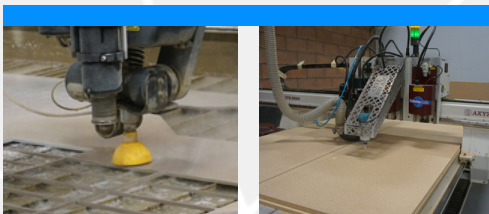
- Weldon Grinder with Robotic Automation
- Glebar GT 610 CNC Centerless Grinding with Robotic Automation



Glebar GT 610 CNC

Supplementary Services

- Shearing
- CNC Router Table
- Cold Sawing
- Laser Welding
- Forming
- Waterjet
- Metal Stamping



OMAX Waterjet

Router Table