Facilities List

CNC Turning Centers – 14 total
- New for 2017 - Tsugami BO20 CNC Swiss – 2 spindles, 1/8" to 3/4" diameter capacity
- Tornos Bechler Deco CNC Swiss – 2 spindles, 1/16" to 5/8" diameter capacity
- Tsugami BE 12/20 CNC Swiss – 2 spindles, 1/8" to 3/4" diameter capacity
- Tsugami SS20 CNC Swiss – 2 spindles, 1/8" to 3/4" diameter capacity
- Tsugami SS26 CNC Swiss – 2 spindles, 1/4" to 1" diameter capacity
- Tsugami B038T CNC Swiss – 2 spindles, 1/8" to 1-1/2" diameter capacity
- Miyano ABX-51TH3 – 13 Axis, 2 spindles, 3 turrets, 12 live tools per turret, 3/8" to 2" dia. capacity
- Okuma ES-L10 CNC Chucker Lathe – 12 position turret, 20" turning length, 8" dia. chuck capacity

CNC Milling Centers – 3 total with Hydraulic Fixturing, 4th Axis Machining, and Automated Tool Changers
- New for 2017 - Haas VF-2SS Vertical Machining Center – Heavy-duty Trunnion System for 4th axis machining
- Haas VF-2SS Vertical Machining Center – 30" x 16" x 20" travel, automated 24 tool changer
- Haas DT1 Drill/Tap Machining Center – 20" x 16" x 15-1/2" travel, Midico pallet changer

Automatic Screw Machines – 32 total
- Brown & Sharpe – single spindle, 1-5/8" diameter capacity
- Davenport – 5 spindle, 7/8" diameter capacity
- Tornos Bechler Swiss – 6 spindle, 5/8" diameter capacity

Secondary and Assembly Equipment
- Hardinge Super Precision Lathe with CNC Omni Control, single spindle CNC
- Hardinge Conquest GT275P, single spindle w/ drilling and milling capability
- Ty-Miles High Speed Vertical Broaching Machines
- Cogsdill Burnishing Machine
- Vibratory Finishing Machines – steel polishing pins, stone de-burring media, & abrasive polishing media.
- Automatic Parts Washing Systems
- 12" & 14" Do-All Band Saw – Automatic & Manual Feed
- Assembly Pressing Capability, Multiple Drill Presses, & Bending Machines
- Complete fixturing and tool room including tool sharpening capabilities

Quality Assurance Inspection Equipment
- Zeiss Contour Gen 3 CMM, 3-D measuring (±0.00002 accuracy)
- Hommel Opticline Contour 305 Optical Scan Measuring System (±0.00002 accuracy)
- Oasis Optical Automatic Smart Vision Scan Inspection System (±0.0001 accuracy)
- DRO Optical Comparators with 10X and 20X lens
- Capability studies and PPAP available via Mini-tab 6-Sigma Statistical Analysis Software
- Electronic Surface Roughness Testers (Profilometers) – Rank Taylor Hobson, Federal Pocket Surf
- Numerous Mounted Equipment including: 10X – 40X LCD Microscopes, Universal Concentricity Gages, Sunnen Bore Gages, 24" Digital Height Gages, & Rockwell Hardness Testers.
- Over 3,000 Hand Held Gages including: I.D. & O.D. micrometers, dial indicators, plain plug gages, plain ring gages, thread plug gages, thread ring gages, & digital indicators.

Engineering Technical Support – Dedicated to Solving Your Complex Part Challenges
- Autodesk Inventor – part modeling, fixture design
- Delcam PartMaker – complex part programming, full machining simulation