

Machining Equipment - Facilities List

Milling - Five Axis Capability

- 1 - Matsuura - MX 520 24" x 22" x 20"
- 1 - Feeler - HV 800 31" x 20 x 20"

Milling - Vertical CNC Machining Centers

- 1 - Fadal - VMC6030 60" x 30" x 30"
- 1 - Matsuura - MC 1000V DC Twin 40" x 20" x 20"
- 1 - Matsuura - MC 1000V 40" x 20" x 20"
- 1 - Matsuura - MC 800V DC Twin 31" x 16" x 20"
- 1 - Matsuura - MC 800V F 30" x 16" x 20"
- 1 - Matsuura - MC 660V 26" x 13" x 18"
- 1 - Matsuura - RA - 3GII 31" x 20" x 19"
- 2 - Fanuc Robo Drill T-14IA 20" x 15" x 15"
- 1 - Fanuc Robo Drill Pallet T-14IA 20" x 15" x 15"

Milling - Horizontal CNC Machining Centers

- 1 - Mori Seiki NH 5000 w/Pallet 25" x 23" x 26"
- 1 - Makino - A66 (2) 19.7" sq. Pallets

4 Axis Rotary Tables

- 1 - Tsudakoma RNCV-300 12.6" Table Diameter
- 1 - Tsudakoma RNCV-300 Twin 12.6" Table Diameter
- 1 - Tsudakoma RNCV-250R 10.0" Table Diameter
- 1 - Tsudakoma RNCV-200 8.86" Table Diameter
- 1 - Tsudakoma RNCV-200 Twin 8.86" Table Diameter
- 1 - Tsudakoma RNCV-250 10.25" Table Diameter
- 1 - Tsudakoma RN-150r 7.8" Table Diameter

Milling Machines - Conventional

- 5 - Bridgeport Mills 42" x 9"
- 1 - Kearney & Trecker Vertical 63" x 10"
- 2 - Milwaukee Horizontal 52" x 10"
- 1 - OKK Horizontal 52" x 10"

Boring Machines

- 2 - #3Moore Jig Bore 18" x 11"

Grinding Machines

- 1 - TOS Universal I.D. O.D. Grinder 8" Swing x 40" Travel
- 1 - Studer Universal I.D. O.D. Grinder 10" Swing x 24" Travel
- 1 - Okamoto - Horizontal Surface Grinder 16" x 32" Capacity
- 3 - Harig - Horizontal Surface Grinder 16" x 12" Capacity
- 1 - Select Tool O.D. Grinder 7" Swing x 10" Travel
- 2 - Cincinnati - Rotary Surface Grinders 16" Capacity
- 1 - Brown & Sharpe O.D. Grinder 14" Swing x 34" Travel
- 2 - Heald I.D. Grinders 16" Capacity
- 1 - Okamoto I.D. O.D. CNC Grinder 12" Capacity

Cutter Grinders

- 1 - Select Universal Cutter Grinder
- 1 - Kellar Radius Grinder
- 1 - Cutter Master Cutter Grinder
- 1 - Darex End Mill Sharpener

Lapping Machines

- 2 - 15" Crane Lapmasters 6" Diameter Capacity
- 6 - 25" Crane Lapmasters 8" Diameter Capacity
- 1 - 36" Crane Lapmasters 12" Diameter Capacity
- 1 - 48" Crane Lapmasters 18" Diameter Capacity
- 1 - 48" Speedfam 18" Diameter Capacity

Lathes - CNC

- 1 - Takisawa TC-4 18" Swing
- 1 - Dainichi F-35 17" Swing
- 2 - Mori - ZL35 Twin Turret (4 axis) 18" Swing
- 1 - Hardinge Quest 8/51 10" Swing
- 1 - Hardinge CHNC III SP 9" Swing
- 2 - Hardinge CHNC 9" Swing
- 1 - Ikegai FX20N 10" Swing
- 1 - Mori - Seiki SL5 21" Swing
- 1 - Mori - Seiki SL3 10" Swing

Lathes - Conventional

- 1 - LeBlond 21" Swing
- 1 - Kerry 15" Swing
- 1 - Hardinge HC 9" Swing
- 1 - Hardinge HLVH 9" Swing

Miscellaneous

- 1 - Sunnen Honing Maching
- 1 - DoAll Contour Saw
- 1 - Johnson Cut - Off Saw
- 1 - DoAll Cut - Off Saw Model 1216A
- 1 - Optima Drill Grinder
- 1 - Meteor Drill Grinder
- 1 - Trinco Dry Blast Sand Blaster
- 1 - Electro Arc Metal Disintegrator
- 1 - Sweco Vibrade Deburring Machine
- 1 - Rampe Vibrade Deburring Machine
- 1 - Rampe Tumbling Machine

Inspection Equipment

- (2) Coordinate Measuring Machines (CMM)
- Federal Circular Geometry Gage
- Electronic Boroscope With Monitor
- Air Gages
- Electronic Height Gages
- (3) Optical Comparators
- Rockwell Hardness Testers
- Stereo Microscope
- Numerous Dedicated Specialty Gages
- (30) Optical Flats 3" thru 16" Diameter
- Plus all normal bench inspection and test equipment and the capability of designing and manufacturing special tooling or gages.