

## CNC Machining Centers

- YCI Supermax TV2610B Vertical Machining Center. 6,000 RPM, X- 106 inches, Y- 30 inches, Z-24 inches
- Quantum Q-2000V Vertical Machining Center. 6,000 RPM, X- 90 inches, Y- 30 inches, Z – 24 inches
- Kitamura Mycenter HX500i Horizontal CNC Machining Center with Pallet Changer. 12,000 RPM, X- 34 inches, Y- 28 inches, Z – 26 inches.
- Kitamura Mycenter HX4i Vertical CNC Machining Center with Pallet Changer. 15,000 RPM, X- 36 inches, Y- 20 inches, Z- 20 inches.
- Kitamura Mycenter HX3i Vertical CNC Machining Center with High Speed Pallet Changer. 15,000 RPM, X- 30 inches, Y- 18 inches, Z- 18 inches.
- Fadal VMV4020 Vertical Machining Centers with automatic pallet changers. Table size 40 inches X 20 inches
- Matsuura MC 760V-DC Twin Spindle Vertical Machining Center. Table size X – 16 inches Y- 30 Inches 1100 lb capacity
- Matsuura MC 760V-DC Twin Spindle Vertical Machining Center 6000 RPM. Table size X – 16 inches Y- 45 Inches 1100 lb capacity
- Matsuura MC 1000V-DC Twin Spindle Vertical Machining Center. Table Size X – 20 inches Y- 55 Inches 2200 lb capacity
- Matsuura MC 500V-DC Twin Spindle Vertical Machining Center. Table Size X – 15 inches Y- 34 Inches 660 lb capacity
- Matsuura MC 510-VS Vertical Machining Center 10000 RPM. Table Size X – 14 inches Y- 20 Inches 300 lb capacity
- Monarch VMC 150 CNC Rotary Indexer, Automatic tool changer, 30” x 74” table, 5000 lb capacity
- Monarch VMC 75 CNC Rotary Indexer, Automatic tool changer, 20” x 40” table, 3000 lb capacity
- Mazak VQC 20/40A Vertical, 6000 RPM, Automatic tool changer, 20” x 25” table, 100 lb capacity

## CNC Turning Centers

- YCI Supermax TC15i CNC Turning Center
- Mori Seiki SL 303B CNC Turning Center
- (3) Mori Seiki SL-204 CNC Turning Centers
- Hwacheon Hi-ECO 45 CNC Turning Center
- (2) American Eagle Model 2000 CNC, 21 inch dia. capacity
- Mori Seiki Model SL2, 15 inch dia. capacity
- Mori Seiki Model SL3, 15 inch dia. capacity
- Methods Slant 4B Turning Center, 1 5/8 bar capacity
- Methods Slant 4B Turning Center, 3 inch bar capacity, 30 inch dia. capacity
- Mazak Slant Turn 50 CNC Mazatrol T-2 controller, 4 inch bar, 30 inch dia. capacity

- Mazak Slant Turn 50N CNC Mazatrol T-32 -2 controller precision tool eye, 4 inch bar, 30 inch dia. capacity

## **Lathe Equipment**

- Hardinge Super Precision Automatic chucker
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- Hardinge DSM-A Super precision fully automatic 1.060 inch through spindle
- (2) Hardinge DSM-59 Super Precision second operation 1.060 inch through spindle
- (2) Okuma Engine lathes, tracing capability 22 inch x 60 inches
- Azeta Engine lathe, tracing capability 16 inch dia x 60 inches
- Clausing Turret Lathe
- (2)Tracer-True Trace Mark A-4 & 6 “

## **Milling and Drilling**

- Sajo Model APF 54 Horizontal milling machine – fully automatic
- Sajo Model APF 52 Horizontal milling machine – fully automatic
- Bridgeport 3D tracer mill with 3 J heads, 12” X 24” table
- (6) Bridgeport Vertical milling machines 36” X 42” power feed tables
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- (2) Bridgeport Vertical milling machines with digital readouts
- Acer Vertical milling machine, 50 inch table with Mitutoyo digital readout
- Drill presses – floor and bench models
- Atlas drill press, 4 spindle
- (3) Burgomaster drill presses, multi-spindle

## **Grinding and Sanding**

- Brown and Sharpe No. 3 internal and external
- Bridgeport Model 815 surface grinder, 8 inch x 156 inch capacity
- (2) Harig Model 618 automatic surface grinder, 6 inch x 18 inch capacity
- Brown and Sharpe tool and cutter grinder
- Baldor 12 inch heavy duty pedestal grinder
- (3) Black and Decker 6 inch belt sanders
- Darex Model M2 Drill Sharpener
- Super Tec Model STC 12N Centerless Grinder

## **Sawing**

- Ryson Johnson Model HA-16 fully automatic horizontal saw
- Do-All automatic horizontal saw, 10 inch x 10 inch capacity
- Powermatic automatic vertical band saw, 22 inch capacity

## Sheet Metal Fabrication

- US Amada Model Vela II CNC Turret Punch Press, ¼ inch X 48 inch x 96 inch Capacity
- US Amada Model RG 100 NC hydraulic press brake, 110 ton capacity
- US Amada Model 2560 programmable shear, ¼ inch x 10 feet capacity
- Standard CNC Hydraulic 100 ton press brake, 8 foot bed
- Strippet No 15B sheet metal fabricator
- Pexto power shear model 12-U-4K 54 inch, 12 gage capacity
- Finger brake Diacro #24, 10 gage capacity
- Carolina hydraulic ram press, 50 ton capacity
- Rouselle #3 Punch Press, 20 ton capacity
- Johnson #4 ½ press, 40 ton capacity
- V&O #1 ½ press, 18 ton capacity
- Minster #5 Punch Press, 45 ton capacity
- (4) Whitney-Johnson kick presses, 5 ton capacity
- Diacro roller #4
- Richards Model MUB10 tube bender

## Welding

- Hobart Mottoman L10-W Arc Welding Robot System
- Lincoln Heliarc Welder Model TIG 300/300
- Airco Aircomatic Welder Model CV250 w/Atlas Model positioner
- Westinghouse 7.5 KW Induction Heater
- Burco Stud Welder Model KST6, Up to .250 capacity
- Spot welder – 15 KVA

## Deburring, Assembly and Specialty Equipment

- Sunnen MBB 1800 Honing Machine extended range - automatic stroke
- Sunnen MBB 1660 Honing Machine – manual stroke
- Electric Tumbler deburring machining, 3 Cubic Foot capacity
- Rocket Vibratory Finisher, 1 cubic foot capacity
- Wave Energy System ultrasonic cleaner, 1.5 cubic foot capacity
- Better Engineering Model F3000P Aqueous Parts Washing Machine
- Trimco Model DJ dry blast sandbaster
- Empire Model PF-6060 sandblaster, 5 ft x 4 ft x 3 ft chamber with roll in carriage
- Haeger Model HP6A Precision Hydraulic Press, 0-8 inch stroke, 6 ton capacity
- (2) Helicoil pneumatic power operated insertion tools

## **Quality Assurance – Measuring, Inspection and Test Equipment**

- Starrett Model RCS6440-24 Rapid-Check Coordinate Measuring Machine  
Computer controlled 64“ x 40” x 24” XYZ capacity
- Sprandel Coordinate Measuring Machine Model MT-100-102 featuring three axes and granite construction
- Deltronic 30” diameter screen - Horizontal Optical Comparator
- Optical comparator- Scherr Tumico Model 22-0338
- Rockwell Hardness Tester, Service Model 855A
- (2) ACMI Rigid Borescopes
- Taylor Hobson Surtronic 3 Microtester
- Diavite Model MT-10 Microtester
- UPA Technology Microderm Model MP-700D Beta Backscatter instrument
- UPA Technology Dermatron Model D300 Eddy Current and Magnetic
- Fully enclosed and environmentally controlled inspection laboratory with a comprehensive assortment of gage blocks, micrometers, calipers, plug gages, thread gages, indicators and granite surface plates.

## **Induction Equipment**

- Nondestructive testing facility equipped for dye penetrant and magnetic particle testing

## **Management Information Systems and CAD/CAM**

- Integrated computer network equipped with Microsoft Office, EDI capability, high-speed internet access, JobBoss software for ERP/MRP/Supply Chain Management
- MasterCAM CAD/CAM software with capability for multi-axis milling and turning, 3D design, drafting, surface and solid modeling.

## **Heat Treatment**

- Grieve Model B2-650 Walk in Oven for stress relieving and curing with 650 Degree capacity

## **Finishing and Painting**

- (2) Protectaire Paint Spray Booths – 7’ x 7’ x 7’ with overhead conveyer and Standard electrostatic paint system
- Plating line set up for Chromate Conversion processing of aluminum to Mil-C-5541, Class 1A and Class 3

- Plating line set up for the passivation of Stainless Steel per QQ-P-35, type II, type VI and type VIII
- Closed loop water treatment center for processing of waste water.

## **Material Handling Packaging and Transportation**

- TCM fork truck, sit down rider type – 5000 lb. capacity
- Yale fork truck, sit down rider type – 2500 lb. capacity
- Yale fork truck, sit down rider type – 3000 lb. capacity
- Yale Mobile Overhead Crane, 5 ton capacity
- Coffing Overhead Rail Crane, ½ ton capacity
- Orbit Model 1521-A Automatic Vacuum Packaging Machine
- Mack truck with 18 ft box.
- GMC 1 ton van