

Major Equipment List

Machining:

- 2 Vertical CNC machining centers **Excel 810** with 24-station. Work envelope 32" x 20" x 22"
- 13 Vertical CNC machining centers **HaasVF-3** with 24 tools and work envelope 40"x20"x 25"
- 5 Vertical CNC machining centers **Haas VF-4** with 24 tools and work envelope 50" x20" x 25"
- 1 Vertical Machining center **Fadal 6030**. Work envelope 30" x 60" x 30"
- 1 Horizontal CNC Machining center **Mazak Nexus 5000 II**. Work envelope 22" x 24.8" x 25.2"
- 1 Horizontal CNC Machining center, **Okuma MA-40HA**. Work envelope 22" x 24" x 22"
- 1 Horizontal CNC Machining center, **Hitachi Seiki HG 400**. Work envelope 22" x 23" x 20"
- 1 Horizontal CNC Machining center, **KIWA KNH-400** with dual pallets.
- 1 Horizontal CNC Machining center, **KIWA KH-45**
- 3 Horizontal **Haas EC400** 4 axis horizontal machining center.
- 6 Vertical CNC Machining centers **Haas DT-1**
- 2 Vertical CNC Machining centers **YCM NSV 102A**
- 1 Vertical CNC Machining center **VF 3ss**

Turning:

- 5 **Star SR32** Swiss 5 Axis CNC Turning machines
- 1 **Star SR16** Swiss 5 Axis CNC Turning machine
- 1 **Maier MLK-32 Hybrid** CNC Turning machine
- 1 **Haas GT-20 CNC lathe**.
- 4 **Kia skt21lms** 5 axis turret lathe, with subspindles
- 3 **Davenport** Multiple Spindle Screw Machine
- 10 **Brown and Sharpe** Ultramatic Screw Machine

Sheet Metal Fabrication:

- 2 **Trumpf Trumatic 6000 Laserpress** 18 tools w/3000 watt laser
- 1 **Salvagnini Laser 3kw** Capable of cutting Aluminum/Copper/Brass
- 1 **Amada HFB 1003** 10 foot 110 ton 8 axis CNC hydraulic press brake
- 1 **Trumpf V85S** 8 foot 85 ton 9 axis press brake.
- 1 **Trumpf V5085S** 8 foot 85 ton 9 axis press brake.
- 1 **Trumpf Trumatic 200 Punch**
- 1 **LVD Hydraulic 120"** shear
- 4 **Heager 824 One Touch Insertion Machines**
- Full tumbling, stroke sanding and surface graining capabilities
- Spot welding, MIG & TIG welding certified to QC7-93

Major Equipment List

Plating / Painting / Silk-Screening:

- 2 Blue M Ovens, 6' wide x 8' high x 12' deep
- Printex Pad Printer G2-150 Single color work envelope 6" x 24"
- Printex Pad Printer G2-125 Single color work envelope 6" x 13"
- INC-150 Pad Printer two color / two position work envelop 6" x 15" x two station
- 2 Global fully enclosed 9' high x 14' wide x 18' deep paint booth
- 1 Systematic Automation Screen Print Press
- 1 Stainless Steel Passivation Line (E300)
- 1 Yellow Chromate Line for (E512 & E513)
- 1 Clear Chromate Line, RoHS Compliant Process.
- 1 Sand Blasting 24" x 48" x 24"
- 1 Barrel Sand Blaster 6" diameter 12" deep.
- 1 Ball Deck orbital riveter
- 1 Asymtech gasket application machine work envelop 24" x 24"

Aluminum Dip Brazing:

- 1 Ajax 26" x 24" x 24" Salt Bath
- 1 Wisconsin Oven
- 2 Blue M tempering Ovens
- Miller Dynasty 300DX and Miller 200 TIG welding machines.

Quality Department:

- Mitutoyo Surf test profilometer
- 2 Brown & Sharpe coordinate measuring machine
- 2 Optical Comparator
- Brown and Sharpe Global Image 9158 Automatic CMM work envelope 36" x 60" x 31"
- SPC software featuring *Inspection Easy*.