



FACILITIES LIST

COMPUTER NUMERICAL CONTROL

- 1 - Giddings & Lewis PC Table Type Horizontal Production Center
 - Numeripath CNC-800 Computer Numerical Control
 - 60" x 144" Table
 - 144" X-Axis Table Travel
 - 72" Y-Axis Headstock Travel
 - 84" W-Axis Bed Cross Travel
 - 70,000 Pound Table Capacity
 - Special Accuracy Package
 - 48" x 60" Precision Hydraulic Rotary Table (25,000 Pound Capacity)
 - 2 Matched Sets Box Type Angle Plates

- 1 - Mitsubishi Vertical Machining Center - MPAV65
 - 26" x 65" Table
 - 49" Cross Travel
 - 25 Horsepower
 - 40 Tool Capacity Tool Changer
 - Renishaw Probe

- 1 – Hyundai Wia Vertical Machining Center F500
 - With Fanuc 0i-MD controls
 - 20” x 47” Table
 - 42” Cross Travel
 - 20 Horsepower
 - 24 Tool Capacity Tool Changer
 - X and Y axis rapid travel 24 inches per second.
 - High Speed Spindle, 10,000 RPM
 - 1 – Haas TM-1 CNC Vertical Machining Center
 - 48” x 10.5” Table
 - 1000# Capacity
 - 30” X Axis Travel
 - 12” Y Axis Travel
 - 16” Z Axis Travel
 - Auto Tool Changer
 - Haas Intuitive CNC Programming System
 - 1 – Haas TL-3 CNC Lathe
 - 20” Swing Diameter
 - 60” Between Centers
 - 12” Bar Capacity
 - 18 HP Drive
 - Haas Intuitive CNC Programming System
- State of the art in-house CAD/CAM System to produce 3-D models and enhance 3-axis machining capability.

FACILITIES LIST, continued

COMPUTER NUMERICAL CONTROL, continued

- 1 - DeVlieg 4H JigMil, 60” x 72” Diatrol V Control Equipped
 - with 30” x 40” DeVlieg Rotary Air Lift Table and Matched Angle Irons
- 1 - DeVlieg 3K JigMil, 48” x 72” Diatrol V Control Equipped
 - with 30” x 30” DeVlieg Rotary Air Lift Table and Matched Angle Irons
- 1 - DeVlieg 3H JigMil, 48” x 48” Anilam Commando Control Equipped
 - with 30” x 30” DeVlieg Rotary Air Lift Table and Matched Angle Irons
- 5 - Bridgeport Model BZ2J Series I Milling Machines
 - with Proto-Trak MX2 Controls
- 1 - Bridgeport E-Z Path II CNC Lathe
 - 10 Horsepower, 19.7” swing, 40” between centers

BORING

- 1 - DeVlieg 4B JigMil, 48" x 60" with Digital Readout and Matched Angle Irons
- 1 - DeVlieg 3B JigMil, 36" x 48" with Digital Readout and Matched Angle Irons
- 1 - Pratt & Whitney Jig Borer, 24" x 44" with Digital Readout
- 1 - Cleereman Jig Borer, 18" x 36"
- 1 - Pratt & Whitney Vertical Rotary Table, 30"
- 1 - Pratt & Whitney Horizontal Rotary Table, 30"

TURNING

- 1 - 60" Bullard x 28" Height
- 1 - Hitachi #5A Turret Lathe with 2 1/2" Bar Feed - 20" x 36"
- 1 - American Pacemaker 16" x 54"
- 1 - Monarch 10" Model #E x 20"

GRINDING

- 1 - Thomson Hydraulic Surface Grinder 12" x 40" x 18"
- 1 - Citron Hydraulic Surface Grinder 17" x 32" x 19 1/2"
- 1 - Brown & Sharpe #2B Surface Grinder 5" x 10" x 12"
- 1 - Cincinnati Universal Cylindrical Grinder 12" x 36"
- 1 - Sunnen Hone with Master Gage

MILLING

- 1 - Kearney & Trecker 30 CSM Horizontal Miller 40" x 12" x 20"
- 1 - Cincinnati 3 DTMS Universal Miller 34" x 12" x 19"
- 2 - Bridgeports, 1990, 12BRZJ, 3HP, 12" x 16" x 48", Power Feeds, Digital Readouts

FACILITIES LIST, continued

DRILLING

- 1 - Morris Radial Drill with 3' Arm
- 3 - Allen #2 Drill Presses with Tapmatic Attachments

SAWING

- 1 - 10" Kasto Automatic Cutoff
- 1 - DoAll Contour Saw - 16" Throat x 10"
- 1 - 6" Stone abrasive

WELDING

- 1 - Lincoln Heliarc Welder 300 Ampere
- 1 - Miller MP45E Mig Welding Machine 500 Ampere
- 1 - Airco Portable Arc Welder
- 1 - Millermatic 250 Welder

Our fabrication facility is completely equipped to produce high quality weldments and machine bases.

PAINTING

- 1 - DeVilbiss Spray Booth 8' x 12' x 15' (Expandable)
- 1 - DeVilbiss Airless Spray Unit
- 1 - Brinks Air Spray System

Our painting facility has all the equipment necessary to produce fine machine finishes using a variety of paints.

SPECIAL MACHINERY

In addition to the above listed equipment, we have fully equipped areas for Special Machinery assembly covered by 10-ton crane capacity in our 30,000 square foot manufacturing facility. There are areas which can be enclosed to provide complete confidentiality. These assembly areas are set up to provide machine "run-in" service. In-house capabilities include hydraulic, pneumatic, lubrication and coolant assembly in addition to electrical panel, machine wiring, and software development.

INSPECTION

Quality Control Inspection System per MIL-I-45208A