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