

## FACILITIES LIST

### General Information

- 65,000 Sq. Ft. Manufacturing  
(Including 8,000 Sq. Ft. Climate Controlled)
- 8,000 Sq. Ft. Office
- 10 Ton Capacity

### Machine Department

#### LATHES (13)

- From 14" Dia. Swing x 40" Lg. to 50" Dia. Swing x 312" Lg. & 54" Dia. Swing x 160" Lg.

#### LATHES – CNC (6)

- To 37" Dia. Swing x 200" Lg.

#### VERTICAL TURNING LATHES (VTL) - CNC (1)

- 31" Dia. x 29" Lg.

#### MILLS

##### *HORIZONTAL BORING MILLS (4), INCLUDING:*

- 1 – Wotan 4" Bar, 48" x 55" Rotary Table with Optics. 3 Axis Digital Readout
- 1 – Wotan 5.25" Bar, 62" x 68" Rotary Table with Optics. Programmable MDI control
- 1 – Toshiba CNC – 4.3" Bar, 55" x 63" Rotary Table with 60 Tool-ATC; X = 78" Y = 59" Z = 57"
- 1 – Toshiba CNC – 4.3" Bar, 39" x 47" Rotary Table with 30 Tool-ATC; X = 59" Y = 47" Z = 27.5"

##### *CNC MACHINING CENTERS (4)*

- 1 – Vertical Machining 25" x 60" Table with Toolchanger & Indexing Head
- 1 – Vertical Machining 20" x 40" Table with Toolchanger & Indexing Head
- 1 – Bed Type Mill 32" x 78" Table with Universal Head
- 1 – Horizontal Machining Center 36" x 64" Table with 30" Rotary Table & Toolchanger

#### GRINDING MACHINES

- Cylindrical (10) – From 12" Dia. Swing x 60" Lg. to 30" Dia. Swing X 288" Lg.
- Internal (5) – From 1" Dia. x 24" Stroke to 36" Dia. x 24" Stroke
- Surface (3) – 12" x 24" Table

#### MISCELLANEOUS

- Superfinish Machines (2)
- Radial Drill (1)
- Hones to 36" I.D.
- Drill Presses (2)
- Planers (1) – To 36" x 96" Openside

### Dynamic Balancing

- IRD (5000 LB. Capacity) Balance Machine
- Schenk (100 LB. Capacity) Balance Machine

### Welding Department

- Plasma Transferred Arc Welding Systems (2)
- Arc Welding Machines (6)
- Oxy-Acetylene Stations (2)
- MIG Welding Machines (6)
- Submerged ARC Welding Machine (1)
- TIG Welding Machines (4)
- 2000° Heat Treat Furnace (1)

### Thermal Spray Department

- HVOF (Hi-Velocity) Spray Systems (6)
- Rokide Ceramic Coating Systems (2)
- Spray Welder Systems (2)
- Electric Arc Metallize Systems (4)
- Wire Metallize (Gas) Stations (2)
- Plasma Spray Systems (5)
- Robotic Spray Systems (4)
- Fusewelder Torch (2)

### Materials Lab

- Hardness Testing, Metallograph, Image Analysis & Related Preparation Equipment

### Assembly Department

- Hydraulic Jacks, Hydrotest Pumps, Various Hand Tools & Layout Tables

### Inspection Department

- Outside Micrometers to 48" O.D.
- Inside Micrometers to 48" I.D.
- Snap Gages to 18" O.D.
- Bore Gages to 16" I.D.
- Vernier Calipers to 60"
- Granite Tables (6) to 72" x 96"
- Coordinate Measuring System X = 30" Y = 40" Z = 20"
- Profilometers (8)
- Hardness Testers (3)
- Ultrasonic Thickness Tester
- Metric Micrometers/Gage Blocks
- Thread Micrometers
- Permascopes (3)
- Master & Working Jo/Gage Blocks
- Height Gages to 24"
- Optical Flats/Monochromatic/Black Light
- Sine Plates/Granite Parallel Bars
- Microscopes to 100X
- Dial Indicators to .00005" Graduation
- Pyrometers – Contact & Optical
- Optical Comparator with D.R.O. and Metrology Computer
- Electronic/Mechanical Runout Inspection System