

## **FACILITIES LIST**

**Manufacturing Space:** 9000 Sq. Ft. Space on 2.8 acres, Bloomingdale, NJ 07403

### **CNC Lathes**

1. (1) 12" swing x 21" cc (Daewoo) 20 H.P.
2. (1) 10" swing x 20" cc (Daewoo) 15 H.P.
3. (1) 18" swing x 10" cc (Daewoo) 20 H.P.-vertical
4. (1) 14" swing x 22" cc (Doosan Lynx 2100L)
5. (1) 18" swing x 25.9" cc (Doosan Puma DNT2600)

### **CNC Mills**

1. (1) 60" x 30" (Fadal Milling Center) 22 HP
2. (1) 40" x 20" (Daewoo Milling Center) 20 HP
3. (1) 40" x 20" (Fadal Milling Center) 15 HP
4. (2) 30" x 16" (Doosan Milling Center) 25 HP
5. (1) 40" x 20" (Doosan DNM5700 Milling Center) 25 HP w/5 axis  
- Tsudakoma model # TWA-160 two axis rotary table
6. (1) 40" x 20" (Doosan DNM5700 Milling Center) 25 HP
7. (1) 22"x22"x24" (Doosan Horizontal Milling Center) 30 HP 4 axis, 2 pallet, w/Full 360 degree Rot Table.
8. 80"x30"x30" (Fadal Vertical Milling Center) 15 HP

### **Engine Lathes**

1. (1) 24" swing x 72" cc LeBlonde Regal 15 HP.
2. (1) 20" swing x 54" cc Lodge & Shipley, 15 HP. DRO
3. (1) 18" swing x 54" cc Sidney, 15 HP. DRO
4. (1) 13" swing x 24" cc Clausing Colchester, 3 HP.
5. (1) 11" swing x 36" cc Sheldon, 1 HP.
6. (1) 42" swing x 48" Bullard VBL, 30 HP.
7. (2) 13" swing Hardinge Toolroom Lathe, 5HP

### **Milling Machines**

1. (1) Index, 42" table, power feed, 1 HP DRO
2. (1) Vectrex, 42" Table, power feed 3 HP DRO

### **Miscellaneous Shop Equipment**

1. (1) Berhinger Horizontal Band Saw 10" capacity
2. (1) Wysong 10 Gage x 3 ft. Pinch Roll
3. (1) DoAll Band Saw
4. (2) Drill Presses, 1/2" capacity
5. (1) Drill Press, 1" capacity
6. (1) Surface Grinder
7. (1) ea. 20" dia. & 7" dia. abrasive cutoff saws

8. (1) 10" dia. miter abrasive cutoff saw
9. (1) Darex E-90 Tool Sharpener
10. (1) 5 Ton Crane Capacity
11. (1) 4 – Bay Crest Ultrasonic Cleaner
12. (1) JP – 24 Parts Cleaner II.
13. (1) LaserPecker laser engraving machine
14. (1) Skat Blast Dry Blast System sand blaster
15. Various tube bending capabilities

### **Welding Equipment**

1. (2) Miller 350 Dynasty Welder
2. (1) Miller 300 Synchronwave Welder
3. (2) Miller 8.8 KW Heliarc Welder
4. (1) Miller 152 Snapstart
5. (1) Millermatic 130XP Mig Welder
6. (1) Lincoln Arc Welder
7. (1) Acetylene Welding & Cutting Torch Assembly
8. (2) Welding Vertical & Horizontal Turntable
9. (2) Trinco Dry Blast Chambers 24" x 36" & 36" x 48"
10. (1) Plasma Cutter 1" Capacity
11. (2) ¼" – ¾" dia. Swagelok Orbital Welding Units.

### **Test Equipment**

1. (2) MS-40 Veeco Helium Leak Detector
2. (1) 0-500 psig Pressure Testing Station

### **Inspection Equipment**

1. Full Set Mititoyo Micrometers (1.0000"-20.0000")
2. Brown & Sharp Digimatic Height Gage (0-24")
3. (2) Mititoyo Height Gage (0.0000"-18.0000")
4. Granite Surface Plate (6" x 5' x 4')
5. (3) Granite Surface Plate (4" x 3' x 4')
6. (2) Full set of Gage Blocks (0.05000"-4.0000")
7. (2) .011 - 1.00 Pin Gage Sets
8. Starrett Dial Calipers (6", 12" & 18")
9. Various Depth mics, Bore gages, Inside mics
10. Edmunds "Air-o-limit" Bore gages (2)
11. FARO Quatum S Max portable CMM
  - Volumetric Max Deviation +/- 0.0025
  - Repeatability +/- 0.0009
  - 7 axis design
  - Polyworks software compatibility

## **Vendor Capabilities**

1. Electropolish
2. Passivation
3. Anodization (hard coat/ clear coat etc.)
4. Sandblasting
5. Surface grinding
6. Vacuum Brazing
7. Electron Beam Welding
8. Laser cutting
9. Heat Treating
10. Vacuum Annealing
11. Centerless Grinding
12. Gun Drilling/Honing
13. Iridite/Chem Film deposition
14. Nickel Plating
15. Chrome Plating
16. Black oxidation
17. Bending and Rolling of material
18. UHV Cleaning
19. EDM/waterjet