



**A-800**

## **Operational Equipment and Capabilities**

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### **General:**

All equipment is maintained, calibrated and recorded in accordance with **AS9100-D P-715 Monitoring and Measuring Resources**.

All Materials are controlled in accordance with **AS9100-D P-800E Material Planning and Monitoring**.

### **Engineering Capacity & Capabilities:**

Specializing in tooling requiring complex designs, pattern assemblies, interchangeable components and solutions, complex soluble assemblies and ceramic cores.

Our Engineering team consists of (2) Designers, (2) CNC Programmers and (1) Quality Inspector.

- Reverse Engineering, tool to model creation
- OEM blue print to shrink model engineering
- Mold Design
- Wax Pattern Assembly Fixture Design
- Straightening Casting Fixture Design
- Setter Design
- Casting Inspection Fixture Design & Calibration

### **Mold and Fixture In-house Capacity:**

42" x 42" x 28"

### **Weight Capacity:**

3500 lbs.

### **Standard Materials:**

- 7075-T651
- NAK-55
- P20, D2, H13, S7
- Stainless Steel
- Tooling Foams and Epoxies
- Plastics



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### **Engineering and Programming Equipment & Resources:**

- (4) Siemens NX CAD/CAM Seats
- (1) Solid Works Seat
- (1) PC-DMIS
- (5) Dell 3630 Precision Towers

### **File Formats:**

- Step
- Solid Works
- NX
- Parasolid

### **IT Hardware:**

Dell server with cloud back-up, redundant Raid 0 Buffalo NAS storage with mirrored hot swappable drives, On-site/Off-site redundant backups of all data.

### **CNC Equipment:**

- (2)-20 x 30 Hass VF2
- (1)-30 x 60 Hass VF6

### **Manual Equipment:**

- 30" Kalamazoo Band Saw
- Vertical Mill
- 12" x 16" Surface Grinder
- Hydraulic Press
- 12" x 40" Lathe

### **EDM Equipment:**

- 16" x 16" Wire EDM
- 16" x 16" Die Sinkers

### **Inspection Equipment:**

- 50" capacity RA 7520 Inspection Arm with Scanner
- PC-DMIS Seat on Precision Dell 5750
- Calibration Standards
- Misc. Itemized Measuring Devices
- Misc. Surface Plates