

# MANUFACTURING SERVICES

## EQUIPMENT LIST



Doosan Puma 2600



Mazak QT 20



GAT Powder Coat System



Cincinnati Brake Press



IGM Robot

### TURNING

- 1) **Doosan Puma 2600Y CNC**
  - Chuck/Collet
  - Live Tooling
  - Y Axis
- 1) **Doosan Puma 2600M CNC**
  - Chuck/Collet
  - Live Tooling
- 1) **Mazak QT 15 CNC**
  - Bar Feed
- 1) **Mazak SQT M CNC**
  - Bar Feed
  - Live Tooling
- 1) **Mazak QT 20 CNC**
- 1) **Mazak ST 25 CNC**
  - Chuck
- 1) **Mazak ST 30 CNC**
  - Chuck
- 1) **Okuma L 1420 CNC**
  - Chuck
- 1) **Okuma L 1060 CNC**
  - Chuck

### FINISHING

- 1) **GAT State of the Art Powder Coat System**
  - 4' W x 10' L x 6' H
- 1) **Liquid Paint System**
  - DeVilbiss
  - 14' W x 20' L x 12' H

### MACHINING CENTERS

- 1) **Hyundai VX500 Vertical CNC Mill**
  - 20" by 40" table
  - 27" Spindle Height
  - 10K RPM Spindle
  - 24 tools
- 4) **Hyundai VX500 Vertical CNC Mill**
  - 20" by 40" table
  - 27" Spindle Height
  - 10K RPM Spindle
  - 30 tools
- 1) **Cincinnati Maxim Horizontal CNC Machining Center**
  - 8 pallet changer
  - 100 tools
- 1) **Cincinnati Vertical CNC Mill**
  - Large travel 80' by 30' by 25"
  - 6K Spindle
  - 30 Tools

#### Ancillary Equipment

- Horizontal & Vertical Saws
- Engine Lathes
- Horizontal & Vertical Mills
- Drilling, Broaching, Tapping
- OD, Surface, and Centerless Grinding

### SHEET METAL FABRICATION

- 2) **Mazak Laser:** 500 watt
- 1) **Mazak Laser:** 2000 watt
- 1) **Trumpf Laser:** 5000 watt
- 2) Cincinnati 175 Ton Press
- 1) Bliss 500 Ton Press
- 1) Cincinnati 175 Ton Brake Press
- 1) Accell 190 Ton Brake Press
- 1) Accell 285 Ton Brake Press
- 1) Cincinnati 10' Shear
- 1) Wiedemann CNC Punch Press

### WELDING FABRICATION

- 25) **Manual Welders**
  - MIG, TIG & ARC
  - Ferrous and Non-ferrous Metals
- 2) **Plasma Cutters**
- 2) **Robotic Welders**
  - Lincoln
  - Fanuc
- 1) **IGM Robotic Welder**
- 4) **Spot Welders**

### QUALITY CONTROL

- 1) **Mitutoyo F 805 CMM**
  - X=32", y=22", z=24"
- 1) **Sheffield Portage Measurement System**
  - X=150", y=70", z=36"
- 2) **Faro Edge Portable CMM Arms**
- 1) **Zeiss Programmable CMM**
  - X=35", y=41.5", z=23.8"

### ENGINEERING

- **Costimator:** Quoting
- **Inventor:** CAD
- **Inventor:** FEA
- **SmartCam:** CAM
- **Optimization:** Nesting

### BUSINESS SYSTEMS

- ISO 9001:2015 Quality System
- ISO 14001:2004 Environmental Management System
- SyteLine - ERP



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