

## ***Full Service Manufacturing Facility***

20,000 Square Foot Manufacturing Area

Mitsubishi FE-HD Box Truck GVW 13,500, 14ft long x 87" wide 84" Tall

Pickup and Delivery up to 150 Mile Radius (Zip Code 08052)

Allis-Chalmers Fork Lift with 6 ft Extensions 3000# Capacity

IT/Security –Quick Trac Secure Server(Vault for Prints and Models) (Beryllium Infosec,Inc)

## ***Fabrication***

Teledyne-Pines Tube Bending Machine, 3" Diameter Capacity

Comeq Initial, Pinch Roll, 4 Inch Diameter

Pexto Slip Roll 36"

Marvel Variable Angle Tilt Band Saw, 12" Capacity

Grob Vertical Band Saw, 36" Throat

Vibratory Stress Relieving Machine

Trent Controlled Atmosphere Oven for Aging, Preheating, and Coating

Reed Surface Grinder

## ***Certified Welding***

3x; Miller Synchrowave Heliarc Welding Machines, AC/DC to 400 Amps,

Miller Synchrowave Heliarc Welding Machines, AC/DC to 500 Amps

Miller DC Constant, Potential Welding Machines (Mig)

3x; Acorn Welding Positioning Table

Sciaky PMC02ST-100KVA Spot Welding Machine with Pre-Heat, Quench and Post Heat Sequence for Aluminum Alloy, Magnesium, Stainless Steels and High Carbon Steels, Certified to Military Specification MIL-W-6858, Class B

## ***Sheet Metal Facilities***

Amada Coma 50-50-50 CNC Turret Punch Press, 73 Tool Station, 55 Tons Capacity, Travel Speed 2000 Inches per Minute

Amada RG-80 Hydraulic Press Brake with CNC Gauging – (NOT IN USE)

Amada CSH-220 Hydraulic Notcher 8" x 8" x ¼" Capacity

Cincinnati Proform 135PF8 CNC Hydraulic Press Brake, 135 Ton Capacity, 10 foot

Di-Acro Model Hand Brakes

Amada S-35, Squaring Shear, 8 foot, ¼" Capacity

Niagara Squaring Shear, 3 foot, 16 Gauge Capacity

K.R. Wilson Hydraulic Press, 50 Ton Capacity

Di-Acro Notchers

18 Station Rotex Punches

Kick Presses

## ***Machine Shop Facilities***

### **CNC Milling**

Haas VF9, 8100RPM, xyz 84" x 40" x30" Travel, 24 Tool Changer, 30hp Vector Drive, Through-Spindle coolant 300psi, 4<sup>th</sup> Axis HRT 310, Renishaw Probing System

Daewoo DMV4020 Vertical High Speed Machining Center 40" x 20" x 24.6" Travel, 30 Station High Speed Tool Changer, 20hp Spindle Drive, Fanuc 21i-MB Control,

Matsuura MC-1500H, Horizontal Machining Center 4-Axis Capability, 60" x 40" x 33" 30 Station Tool Changer, 25hp Spindle Drive

Hitachi Vacuum Fixture Plate

Doosan DnM5700L Spindle Speed (12K) CNC Vertical Machining Center with all standard equipment and accessories Travel xyz 51.2x72.4x20

Doosan DNM 750II Spindle Speed (12K) CNC Vertical Machine Travel xyz 64.2x30x25.6

Doosan DNM 750L II CNC Vertical Machine Travel xyz 85x30x25.6

Doosan DNM 5700 Spindle Taper CAT40, Spindle RPM 12,000, xyz 41x22.4x20

DOOSAN DVF 6500 5-axis Spindle Taper CAT40, Spindle RPM 18,000, Travel X Axis 29.5", Y Axis 30.9", Z Axis 23.6"

TRAK DPM5, 40 Taper Spindle, Spindle Speed 5000 RPM, Travel 40" x 20" x 24"

## **Lathe Turning**

TRAK 1630 Lathe with Proto TRAK RLX CNC

PUMA GT2600 Lathe Box Way Chuck 10in Bis Bure 2 ¼ thru Swing over bed 25.6 Max Turn Diameter  
18.1 Max Turn Length 25.9

## **SAW**

MARVEL Series 8 Mark II

## **Finishing**

Silk Screening

Amergraph Advantage 150, 1200 Watt Metal, Halide Silk Screen Exposure Unit, 31" x 41" Maximum  
Screening O.D.

Econo-Cleaner Silk Screen Washing & Solvent Recirculation System

Calcom Hydrolyte Model 2940 back lighted Silk Screen Washout Sink

IBM Pentium Computer with Silk Screen Artwork Development Software

Caustic Etching and Oxidizing Tanks

Iridite 14-2 Conversion Coating Tanks 48" x 36" x 120' Capacity for Aluminum Alloys, Certified to  
MIL-C-5541

Burr-Bench Vibratory De-Burring and Finishing System

Timesaver Automatic Belt Sanding Machine 30", 15 HP

Vacu-Blast Glass Beading System

## **Assembly**

Aircraft Riveting Systems

Aerospace Fasteners

Cherry Max Power Riveter

Cherry Lock Power Riveter

Chicago Rivet Spinning Machine

Helicoil Installation System

3x; Precision Assembly Tables 14 Foot Long x 64" Wide for Precision Assemblies and Fixture Setup's

Hand Rivet Guns with Multiple Yokes

Riveting Press for Clinch Nuts

## ***Quality***

Quality Management System is in accordance with ISO9001:2015 And AS9100D Certificate# C2021-04934 Expires 11/18/24 Down Load Certificate at [www.pioneermachine.net](http://www.pioneermachine.net)

Starrett Rapid Check Coordinate Measuring Machine, 40" x 40" x 24" Capacity with Starrett Advanced Metrology System Software on IBM PC Compatible Platform, Featuring Statistical Process Control

Faro Gage Pro Portable Probe Measuring Machine

Surface Plates, Up to 4' x 6' (Black Granite)

Precision Inspection Equipment, Layout and Measuring Instruments

Hardness Testers, Coating Thickness Testers and Holiday Testers

Bench and Assembly Setup's for Assembly Staff

## ***CAD/CAM Software***

Solid Works CAD/MBD Modeling Software Capable of Various Solid Model Translations; Pro-Engineer, Catia, Unigraphics and many more

Virtual Gibbs 3D CNC CAM Software System Directly Linked To All CNC Machining Centers for Direct Part Program Upload Capability. DNC Loading for 3D Machining Programs & 5 axis Machinery.

Job Boss Shop Management Software with Bar Code Tracking and Material Compliance System

Network System Windows NT with 7 Work Stations