

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)

Yale Fork Lift with 6 ft Extensions 3000# Capacity

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

Amada HA-250, Horizontal Cut Off Saw with Automatic Gauging, 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 Synchronwave Heliarc Welding Machines, AC/DC to 400 Amps,

Miller Synchronwave 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

Black & Webster Miniature Spot Welder, KVA, for Resistance Welding or Wire and Extra Thin Materials

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

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

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

Chicago Box Brake

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

Punch Presses

Di-Acro Presses

Di-Acro Notchers

18 Station Rotex Punches

Pull Presses

Kick Presses

Machine Shop Facilities

CNC Milling

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

Daewoo DMV4020 Vertical, xyz 40" x 20" x 24.6" Travel, 24 Station High Speed Tool Changer, 20hp Spindle Drive, Fanuc 21i-MB Control,

Brown & Sharpe System 2000, 3-Axis Machining Center, xyz 80" x 30" x 25" Travel, 40 Station Tool Changer, 15hp spindle Drive

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

Matsuura MC-510V Vertical Machining Center, 6000RPM Spindle, xyz 20" x 14" x 18" Travel, Yasnac MX3 Control, 13hp Spindle

Matsuura MC-500VS, Vertical Machining Center, 10000RPM Spindle, xyz 20" x 14" x 18" Travel

Matsuura MC-510VF, Vertical Machining Center, 8000RPM Spindle, xyz 20" x 14" x 18" Travel, Yasnac I-80 Control

Hitachi Vacuum Fixture Plate 40" x 24" Capacity

Lathe Turning

Gildemeister CTX410 High Precision Turning Center, 10" Chuck, Fanuc 211-TB, Accuracy .0001

Track CNC Engine Lathe, Model TRL 1440P-220, 14" Swing

Hardinge Precision Chucking Lathe

Manual Milling

Vertical Milling Machines

Tool Post Grinders

EDM

Eltee Pulsitron Ram EDM (Electrical Discharge Machining System)

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 Backlighted 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

Rockwell-Delta Sanding Machines 6" x 48"

Vacu-Blast Glass Beading System

Assembly

Aircraft Riveting Systems

Aerospace Fasteners

Cherry Max Power Riveter

Cherry Lock Power Riveter

Taumel Orbital Riveting Machine

Chicago Rivet Spinning Machine

Helicoil Production 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

Bench and Assembly Setup

Quality

Quality Management System is in accordance with ISO9001:2008 Certificate# C2015-02791 Expires 9/14/2018, Download Certificate at 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 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.

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