



Professional
Fabrications, Inc.

Facility List 2021

- **Laser Cutting**
 - Mitsubishi EX, 4,500 CO2 watts, 60"x120" bed with MSC Tower Automation
 - Mitsubishi eX-F60 Fiber 6,000 watts, 60" X 120" bed with MSC Tower Automation
 - MCS-V, 16 Shelf Tower Automation
- **Turret Punching Equipment**
 - (1) Amada, Vipros III ZK 3510 NT, 35-ton, 44-station, 50" X 144" sheet capability with repositioning brush tables
 - (1) Amada, EMK3510 NT, 35-ton, 58-staion, 50"x144" sheet capability with repositioning brush tables
 - (2) Wilson Tapping Tool Technology – automated tapping tool for turret punches
- **Forming**
 - (1) Toyokoki 250-ton, 13' bend length, hybrid-servo hyb 2504 with 4 independent CNC back gauges and off line programming
 - (1) MC Diamond BB Electric 40-ton, 5' bend length, equipped with Murata 5 axis CNC back gauges and off line programming
 - (3) Amada HG 80-ton to 110-ton, 8' to 10' bend length, equipped with AMNC 3I controller,5 axis CNC back gauges and off line programming
 - (1) Amada EG 40-ton, 4' bend length equipped with AMNC 3I controller,5 axis CNC back gauges and off line programming
 - (1) Amada RG 80-ton, equipped with NC9EX-II CNC back gauges
 - (1) Amada RG 60-ton, equipped with NC9EX-II CNC back gauges
- **Welding Equipment**
 - **Robot Welding** Miller Panasonic Perform Cell System, MIG Welding.
 - **MIG Welding** Miller and Lincoln power supplies.
 - **TIG Welding** Miller and Lincoln power supplies
 - **Stud Welding** CD & Ark
 - **Spot Welding** Amada ID40IV HP NT AMNC PC Control, Inverter power
- **Rolling Equipment**
 - Amada and Murata step bending software program
 - Jet 3.5' Slip Roller
 - Carell Famar roller, 66" long, Slip Roller
- **Sawing**
 - HE&M Automated Band Saw H90A-1
 - Baileigh Cold Saw 13"
 - Ellis Horizontal 3' band Saw

- **Deburring Equipment**
 - APEX Deburring machine, 37" wide, two head belt with double row disc
 - Burr-King, Vibra King 4
 - Giant GB-3 Spiral Vibratory deburring

- **PEM Fastener Machine**
 - Haeger 618, 6-ton, Automated Equipped Press

- **Iron Worker**
 - Scotchman 50514-EC iron worker

- **Packaging Equipment**
 - Yellow Jacket 7' Tower, Automated Turn Table Wrapper

- **Material Handling**
 - (2) Overhead 2-ton Cap Crane
 - (1) Overhead 1-ton Cap Crane
 - (3) Jib 1-ton Crane in weld and brake area

- **Quality Inspection Tools**
 - (1) Virtek Quality Control Laser Inspection Machine 2 D

- **Additional Outside Services Supplied To Our Customers**
 - Painting (Wet & Powder)
 - Plating
 - Heat Treating
 - Wire Forming
 - Machining
 - Assembly Work
 - Tube Bending and Tube Processing.
 - Miscellaneous Services as required
 - Passivation & Electro Polishing

- **Computer Programming And Networking System**
 - JobBoss Scheduling Software
 - Ncell Laser NC Nesting, Programming and Scheduling Software
 - Solidworks Drawing Package 3D up to date with latest version
 - AutoCAD Drawing System 2D
 - Fabri-Win Turret NC Programming 3D
 - DR Abe Amada off Line Bending Program Software