



# PRECISION SHEET METAL FABRICATION CAPABILITIES

Precision Metal Industries, Inc. provides a wide array of precision sheet metal fabrication and machining services for many discerning industries. We produce manufactured parts that strictly conform to your design specifications, while respecting your production schedules and deadlines.

As a fully integrated company, we are uniquely capable of handling all processes in-house; from concept through production to finishing and assembly. We employ innovation, state-of-the-art technology and a supportive teaming approach. This ensures our customers efficiency, accuracy, incomparable quality and superior service. As a single source supplier, PMI is simply the best choice for all your metal fabrication needs!



## OUR SERVICES

- Precision Sheet Metal Fabrication
- Automated Laser Cutting
- Automated Robotic Welding
- Automated Robotic Forming
- CNC Precision Machining & Forming
- Manufacturing Engineering
- Turnkey Component & Complex Assemblies
- Part & Assembly Prototyping
- Dip and Torch Brazing, MIG & TIG Welding
- Silkscreen
- Automated Finishing Services
- Painting, Powder Coating & CARC Coating



## EQUIPMENT

### CNC Machining

- One HAAS VF-6SS Super-Speed vertical machining center
- Two HAAS VF-2SS Super-Speed vertical machining centers
- One HAAS VF-4SS Super-Speed vertical machining center
- One Mazak 500c Unit MX Hybrid Roller Guide System
- One Coord3 ARES NT 10.7.7 Unit with Verisurf software inspection machine

### Cutting

- Amada LC 1212 Laser - Maximum Capacity: 4' x 8' x 1/2"
- Prima Industries Sincrono Laser w/Auto Loader- Maximum Capacity: 5' x 10' x 1"
- Prima Sincrono Laser Shears - Maximum Capacity: 1/4"
- Strippet Nothcer 30-15

### Forming

- 4 - Amada Press Brakes - Maximum Capacity: 80 tons x 8'
- Amada Press Brake - Maximum Capacity: 50 tons x 8'
- Cincinnati Press Brake - Maximum Capacity: 90 tons x 10'
- Di-Acro Press Brake - Maximum Capacity: 100 tons x 8'

- Prima Finn Power hydraulic press brake P-1640S with Kuka 6 axis robot. 180 ton x 12ft.

### Punching

- Amada Pega 345 CNC Punch - Maximum Capacity: 1/4"
- Amada Pega 357 CNC Punch - Maximum Capacity: 1/4"

### Welding

- 2 - Sciaky 150 KVA Spot Welders
- 4 - Welding Stations (MIG, TIG, Spot Welding)
- 1 - Fronius mig welder with motoman 7 axis robot.
- 1 - Miller Dynasty 700 tig welder.

### Raw Finishing

- 2 - Adler Stroke Belt Sanders- Maximum Capacity: 32 x 118"
- Timesaver - Maximum Capacity: 36"

### Finishing

- Automated 7 Stage Paint & Powder Coat System
- 4-Spray Booths - Maximum Capacity: 10 x 7 x 17'
- Batch Oven - Size: 6 x 6 x 10'



# PRECISION SHEET METAL FABRICATION CAPABILITIES



## FEATURES

---

- Advanced Parametric Solid Modeling
- Electrical and Mechanical Design Capability
- Part designing with Solid works, AutoCAD
- PLC Programming
- Reverse Engineering
- Design, manufacture, and assemble components
- Handle large to small run production of parts for electrical, electronic, and mechanical assemblies
- Install and integrate components purchased from outside vendors
- Assistance from concept thru completion
- Single part prototyping to construction machine assembly prototyping.



## ACCEPTABLE FILE FORMATS

---

- .PDF
- .IGES
- .DXF
- .STEP
- .PRO/E
- .DWG
- .SLDPRT



## SOFTWARE USED

---

- AutoCAD
- SolidWorks



## INDUSTRIES SERVED

---

- Defense/Military
- Medical Equipment
- Avionics
- Electronics Audio and Video Equipment
- Security



## APPLICATIONS

---

- Missile Transportation Containers
- Biometric Scanner Cabinets
- Electronics Enclosures
- Cabinets & Chassis
- Medical Equipment