



**Pure Plastics & Metals, LLC focuses on manufacturing in the tech sector**

**Specializing in Medium to High Volume Production**

*High purity chemical distribution for the semiconductor and pharmaceutical industries.*

*Off Site Manufacturing, (OSM) for the pharma and semiconductor industries is the largest sector of our business.*

*Providing turnkey components so contractors can focus on their strengths, industrial piping, plumbing & electrical.*

*Plastic & metal enclosures such as VMBs, "T", Slurry & pump boxes and Redundant Lift Stations.*

*Complementing our metal and plastic fabrication is our in-house design services.*

*Pure Plastics utilizes (6) seats of Solid Works, a cutting-edge 3D modeling software.*

*This software is capable of finite analysis.*

*Our in-house piping & controls consultants have a combined*

*90+ years of experience in the Nuclear Power, Semiconductor & Pharma industries.*

**Pure Plastics & Metals, LLC offerings**

- ❁ **High precision sheet metal shop with laser cutting & Laser Welding**
- ❁ **Full plastic fabrication shop with HAW (hot air welding)**
- ❁ **Extrusion & Inferred welding**
- ❁ **Hot dipped galvanized hangers for large bore pipe**
- ❁ **Design services & 3D modeling**
- ❁ **Field service, drip pans, specialty plastic repairs, etc.**
- ❁ **Lab furniture, plastic & metal**
- ❁ **Exhaust hoods, plastic & metal**
- ❁ **Wet benches, plastic & stainless**
- ❁ **High purity piping**
- ❁ **Infrared Butt Fusion**
- ❁ **Socket fusion**
- ❁ **Solvent welding**
- ❁ **EEWF (energized electrical work friendly) safety covers**
- ❁ **Machining RMF tiles for view panels, etc.**
- ❁ **Bespoke machining and refurbishing of process equipment components**

## Capabilities

### Plastic Fabrication for the Semiconductor Industry

- ❁ Specializing in the fabrication of CDMs, (chemical delivery machines in the semi-conductor industry, solar panel industry)
- ❁ Creative solutions to process obstacles
- ❁ Mechanical & Manufacturing experts
- ❁ Clean oil free environment
- ❁ Certified in machine fabrication and welding FM4910 materials.
- ❁ Data Center Containment

### Combination Butt and Socket Fusion Machines for Processing Plastic

- ❁ LAM PFA LT, (Teflon sheet)
- ❁ Halar ECTFE
- ❁ Hot Air Welding (HAW)
- ❁ Plastic welding
- ❁ Hot air welding plastics
- ❁ Extrusion welding plastics
- ❁ CNC routing and machining
- ❁ Bending
- ❁ Forming
- ❁ Vacuum forming
- ❁ Hot knife bending
- ❁ High / Close tolerance plastics

### Products & Services:

- ❁ Data Center Containment
- ❁ Ultra-Pure Water handling
- ❁ Valve Boxes
- ❁ CDM – Chemical Dispense Machines
- ❁ Chemical Waste Collection Machines
- ❁ RMF Flooring Ports
- ❁ A Variety of Exclusive Hardware
- ❁ Clean/Rinse Stations
- ❁ Service/Repair
- ❁ Process Tools
- ❁ Engineering & Design
- ❁ Reverse Engineering
- ❁ Build to client specifications
- ❁ Custom designed product

### Design Capabilities

- ❁ Three-dimensional solid modeling
- ❁ Solid works
- ❁ AutoCAD

### Certifications:

- ❁ 3055 Clean Room
- ❁ Our welders are certified by an independent third party
- ❁ +GF+ Certified in IR butt fusion & socket fusion on all material.

### Weld Quality:

#### Platinum

- ❁ Invisible welds; virtually no visible exterior weld

#### Gold

- ❁ Welds are routed off; flush exterior, scraped smooth

#### Silver

- ❁ Welds not routed off; superior weld appearance & quality

## Options & Features:

- ✿ Lift-off hinges
- ✿ Keyed entry
- ✿ Positive seal latches
- ✿ O-ring Seals
- ✿ Sensor mounts
- ✿ Leak detection
- ✿ QR coded packaging
- ✿ Double containment
- ✿ Plumbing
- ✿ Exhaust Duct
- ✿ Integrated lighting
- ✿ Fiberglass grating
- ✿ Encapsulated metal frames and tanks
- ✿ Lock Out Tag Out systems

## Material Options:

- ✿ Polypropylene
  - ✿ PVC (Polyvinyl chloride)
  - ✿ Polycarbonate
  - ✿ PFA (Perfluoroalkoxy)
  - ✿ FM4910 Polypropylene
  - ✿ FM4910 PVC
  - ✿ Halar
  - ✿ CPVC (Chlorinated polyvinyl chloride)
  - ✿ PVDF (Polyvinylidene fluoride)
- \*FM4910 – Fire Retardant Plastic*

## Hardware Options:

- ✿ Stainless steel
- ✿ Teflon coated stainless steel
- ✿ Nylon
- ✿ PVC
- ✿ Polypropylene

✿ *PPM also offers many exclusive hardware options, manufactured only by Pure Plastics and Metals*

## In House Equipment:

- ✿ Table Routing
- ✿ Milling
- ✿ Lathe Cutting
- ✿ Press Braking
- ✿ Butt Fusion
- ✿ IR Fusion
- ✿ Extrusion Welding
- ✿ 3055 Clean Room
- ✿ IR Welding
- ✿ Laser Welding
- ✿ General Welding
- ✿ Solid Works Design

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