



**PFI ADVANCED EQUIPMENT MANUFACTURING, LLC**  
310 ALLEGEHNYVILLE ROAD  
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## **Machining and Fabrication of Metals, Plastics and Rigid Foam for over 70 years**

**Metal Materials:** Carbon Steel, Inconel®, Hastelloy®, stainless and other steel/alloys (duplex, explosion bonded) as well as titanium, plastics and composites.

**Plastic Materials:** PVC, ABS, Polypropylene, Polyethylene, Engineered Plastics, Thermal-insulating foam corks & plugs, medical/food grade material.

### **Plastic Fabrication Methods**

- Plate, Ultra-Sonic, Solvent & Hand Welding - specific to the type of plastic
- Plastic bending and routing
- Private labeling, printing and heat transfer
- Assembly and kitting
- Multi-head Drilling
- Laminating foam and selective plastics (vacuum table capable up to 48" x 96" x 18")

### **Plastic Fabrication Equipment**

- Holzma Cutting Saw – Ability to handle sheet size up to 60" x 120" x 3¾" thick
- Northwood 4 axis (including trunnion - 9" dia. x 72" length) router - 121" x 61" x 24"
- Thermwood 5 Axis – 60" x 60" (120") table
- Line Benders and Chillers up to 90" in length
- Hot Plate Welding Machine. Can produce pieces up to 27" wide x 31" high x 80" long
- Ultra-Sonic Welding and Hand-Held welding for custom sizes
- Expertise in fabricating corrosion resistant pans and trays in custom sizes

### **Machining Equipment**

#### **CNC Milling Equipment**

- **NEW** Okuma MB-5000H; X, Y and Z travel 29.92" with two pallets
- Haas EC-1600 Horizontal Machining Center (64" long x 50" wide x 32" deep) with 4 axis turntable
- Haas VF-5 Vertical Machining Center (60" long x 26" wide x 25" deep)
- Haas VF-6 Vertical Machining Center (64" long x 32" wide x 30" deep)
- Northwood 4 axis (including trunnion - 9" dia. x 72" length) router - 121" x 61" x 24" (AL & Brass)
- TRAK AGE2 31" x 17"



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### **CNC Lathe Equipment**

- **NEW** Okuma LB3000 with Sub-Spindle – 22.83” swing, 13.39” turning diameter; x-axis travel 10.24”, z-axis travel 41.93”; complete with 3” bar feeder
- **NEW** Okuma Genos L2000-e with a 19.68” bed length; 17.71” swing over bed, 8.66” turning diameter; complete with 3” bar feeder
- Dainichi Turning Center 37” swing 155” center to center (22 ½” over carriage) pieces ranging from 6” to 22½” in diameter
- Daewoo Puma Turning Center 20” swing and 84” center to center (Turn up to 20” diameter) pieces range from 1” to 20” in diameter
- Haas ST-45 CNC Lathe 25½” swing 80” center to center with High Torque Live Tooling “C” axis. Pieces range from 2” to 25½” in diameter

### **Lathes**

- 24" x 22' LeBlond with hydraulic duplicator, 2 carriages (Max part length 22'). Pieces starting at 1" up to 24"
- 17" x 4' LeBlond with taper attachment (Max 3' part length). Pieces from ½” to 17”

### **Horizontal Boring Mills**

- G&L, 5" spindle, 60" x 120" table, 84" vertical, Digital read out (Max – 84” high x 120” long x 60” depth). Table travel 109” and length of material up to 20’ long

### **Saws**

- Marvel #8 band saw (16” high)
- Kalamazoo band saw (12” high x 16” width)
- M-L Do-All contour saw (16” high)
- Miter Band Saw (13” high x 19” width)

### **Milling Machines**

- Bridgeport with 42" table (42” long x 12” wide) and shaping attachment (blind internal keyway)

### **Keyseater**

- #5 Mitts and Merrill Keyseater (Max 3-1/2" wide and 30" stroke – also metric)
- Keyways:
  - ¼” - ⅞” wide 14” Max stroke 1” center minimum bore
  - ¼” to 1” wide – 23” max stroke – 2” minimum bore
  - ¾” to 2” wide – 18” maximum stroke – 3½”



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- 1¼” to 3½” wide – 30’ maximum stroke - 5¾” minimum bore

### **Honing**

- From 5/8” to 15” diameter

### **Metal Fabrication Equipment**

- Cutting Plasma to 1” thick, abrasive and saw
- Forming 12’ long, 100 ton Pacific Hydraulic (up to ½” thick)
- Punching 80 ton - to 1½” diameter (up to approx. ½” thick)
- Welding Gas Tungsten Arc, Shielded Metal Arc, MIG and Flux Core
- Positioning Tank turning rolls, pipe positioned and welding positioners
- Polishing to a #4 finish
- Inspection Micrometers, leveling pad, dye penetrant, pressure testing

### **Quality Control**

- NEW FARO CMM Arm

### **Software**

- Mastercam® V. 2017
- Solidworks® V. 9