



AT&F Advanced Metals is a facility dedicated to the design and fabrication of process equipment, pressure vessels, tanks, columns, towers, shell and tube heat exchangers, piping systems, skid mounted systems, and other custom components. We specialize in the processing and fabrication of special alloy metals.

## ■ Facility

- 56,000 sq ft
- "Clean room" with 2 ton overhead crane
- Two 15 ton overhead cranes (20 ft "under hook")

## ■ Material Processing

- Stainless steel
- Duplex stainless steel
- Carbon Steel
- Nickel based alloys
- Titanium
- Zirconium
- Tantalum

## ■ Engineering

- Thermal design shell & tube heat exchangers using ASPEN
- Mechanical design using PV Elite and API 650
- 3-D modeling with Inventor
- 2-D drawings with AutoCAD

## ■ Machine Shop Equipment

- Horizontal CNC Boring Mill: 5 ft x 14 ft table with 40,000 lb capacity
- Vertical Turret Lathe: 40" swing x 36" clearance
- Vertical Boring Mill: 54" swing x 60" clearance
- (2) Horizontal Boring Mill: 60" x 96" bed
- (2) Engine Lathe: 24" swing x 54" long
- Engine Lathe: 12" swing x 30" long
- Engine Lathe: 28" swing x 168" long
- Engine Lathe: 24" swing x 96" long
- Radial Drill: 60" arm on 17" column

## ■ Welding

- SUBARC (SAW)
- MIG (GMAW)
- TIG (GTAW)
- FLUX-CORE (FCAW)
- Plasma Arc (PAW)
- ASME Section IX
- MIL-STD-248

## ■ Non-Destructive Testing

- X-Ray
- Dye Penetrant
- Magnetic Particle
- Ultra-Sonic
- Visual
- Hyrdorstatic Testing
- Helium Leak Testing
- PMI

## ■ Quality Systems

- ASME "U" stamp
- National Board "NB," "R"