



ISO 9001:2015  
CERTIFIED  
COMPANY

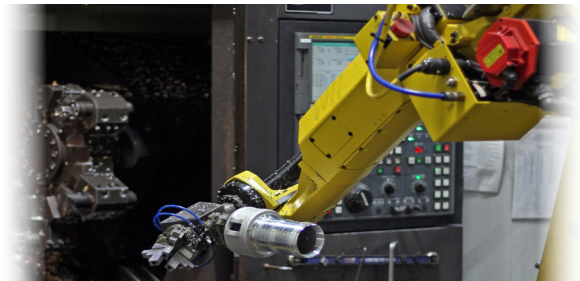
**COUPLINGS AND MORE**

# **CUSTOM MANUFACTURING CAPABILITIES:**

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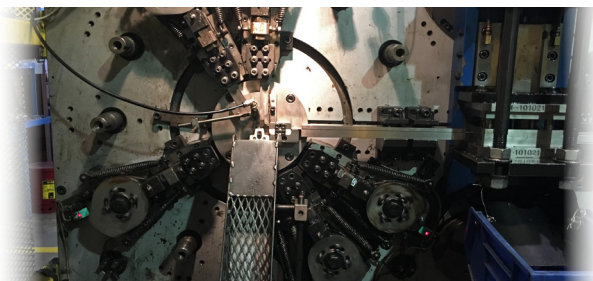
**FERROUS & NON-FERROUS CASTING**  
*(SAND, PERMANENT, INVESTMENT)*



**CNC MACHINE WORK**



**INJECTION MOLDING**



**CLAMPS & BANDING**

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[www.ptcoupling.com](http://www.ptcoupling.com)



***PROUDLY MADE IN THE USA***



# BRING US THOSE OPPORTUNITIES TODAY!



## OVERVIEW

Proudly made in the USA, PT Coupling has a long-standing commitment to provide a quality product, on time, at the lowest possible cost. Let us be your single source for pattern development, castings, precision machining, fabrication, heat treat and plastic injection molding. Our engineering staff is ready to support your design needs.

PT Coupling is Quality Management System certified (ISO 9001:2015).

For over 50 years, PT Coupling has been pouring ferrous and non-ferrous metals and is a licensed Meehanite foundry.

## FOUNDRY

### FOUNDRY CAPABILITIES:

- Full-service pattern shop & 3D Printing
- Automatic Molding up to 16"X20"
- Permanent Molding up to 30"X12"
- Green Sand, cope and drag – up to 21" square molds
- No-Bake molding – up to 60" square molds
- Casting Pour Weights up to 2500 lbs.  
(Materials: Aluminum, Brass/Bronze, Ductile Iron, Gray Iron, 4130 Steel, 316 and 304 Stainless Steel)
- Shell Core, Air Set and CO2 Cores
- Tensile Tester
- Spectrometer

## HEAT TREAT

### HEAT TREAT SERVICES:

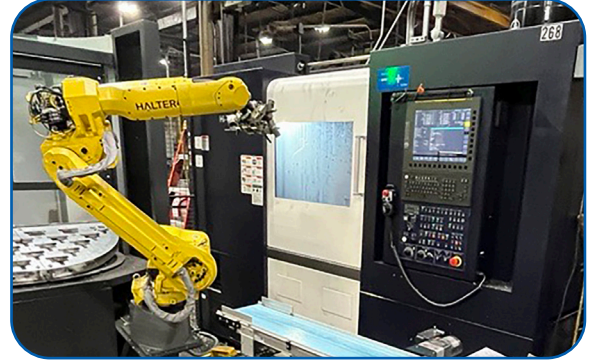
- Solution and age treatments for aluminum
- Normalizing and hardening for carbon, low alloy, high alloy, and tool steels
- Carburizing
- Nitriding
- Cryo treatment
- Solution anneal for stainless and high alloys

## INVESTMENT CAST

### INVESTMENT CASTING CAPABILITIES:

- Cast parts up to 45 lbs.
- Tolerances - .007 per inch
- Surface finish up to 125RMS
- Coating
- Passivation
- Tensile Testing
- Impact Testing





**GET A FREE QUOTE ON YOUR PROJECT TODAY!**

## MACHINING

### TURNING

- NC/CNC Lathes
  - 3-Jaw Powered & 4-Jaw Powered
  - Cylindrical, tapered, and spherical profile up to 35" OD and 63" between centers
  - Vertical Lathes
  - Maximum turning diameter of 56"x48"x30" stroke
- Manual Lathes
  - 38" swing over ways, 23" over cross slides

### MILLING & TURNING

- Horizontal Machining Centers
  - 3-Axis & 4-Axis NC capabilities
  - Work envelopes from 40x37x15 to 96x72x20
- Vertical Machining Center
  - 4-Axis CNC, work envelopes from 40x20x28
  - Pallet Changer

### GRINDING

- Blanchard Grinding – Surface grinding to within .002 on 42" table

### OTHER CAPABILITIES

- Coordinate Measuring Machine with 80x42x40 work envelope
- Welding & Fabrication

## INJECTION MOLDING

### INJECTION MOLDING CAPABILITIES:

- Melting points up to 650°F
- Shot sizes from micro-ounce to 3 lbs.
- Printing, CNC Machining and Drilling, and Assembly of products

### INJECTION MOLDING PRESSES:

- 400 Ton
- 350 Ton
- 230 Ton
- 200 Ton
- 100 Ton





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## INJECTION MOLDED & CAST MATERIALS

PT Coupling has a variety of materials that are consistently used, cast, injected and/or machined on. See below the list of materials we actively utilize.

If you would like to learn more or have questions about PT Coupling's processes please contact us directly.

### SAND CAST MATERIALS:

- Aluminum
- Bronze
- Grey/Ductile Iron
- Carbon Steel
- Low Alloy Steel
- High Alloy Steel

### PERMANENT MOLD MATERIALS:

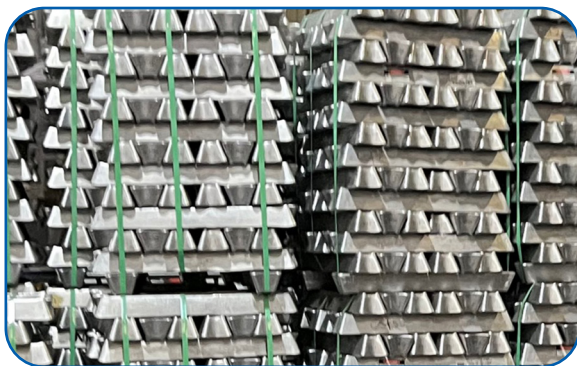
- Aluminum

### INVESTMENT CAST MATERIALS:

- Carbon Steel (1020, 1040)
- Stainless Steel (304, 316, 17-4, CN7M)
- Low Alloy Steel (8620, 4140, 4340)
- Tool Steel (S7, D2)
- Bronze (Alum Bronze, Silicon Bronze)
- Cobalt Alloys (Co6, Co12)
- Nickel Alloys (Including Hastelloy, Monel)

### INJECTION MOLD MATERIALS:

- Glass Filled Polypropylene
- Glass Filled/Unfilled Nylons
- Glass Filled Polybutylene Terephthalate
- Glass Filled Polyphenylene Sulfide
- Acrylonitrile Butadiene Styrene
- Polycarbonates
- Polyvinylidene Fluoride
- Acrylics



## CONTACT US!

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