

# Facts Sheet



Pennsylvania Precision Cast Parts offers a complete range of investment casting services and capabilities to meet the needs of virtually any industry or application.

## Services

- Custom
- Contract
- Prototypes
- Tool Build
- Job Shop

## Capabilities

- Semi-Automatic Injection
- Automated Grinding
- Ceramic Cores/  
Soluble Wax Cores
- 3 Robots

## Casting Characteristics

- Abrasion Resistant
- Consistency
- Corrosion Resistant
- Design Flexibility
- Elimination of Material  
Waste
- Heat Resistant
- Heat Treated
- Low Initial Tooling Costs
- Tight Tolerances
- Wear Resistant

## Typical Surface Finish

- 125 RMS

## Casting Weight Limits

- Minimum: 2 oz.
- Maximum: 250 lbs.
- Standard: 2 to 50 lbs.

## Furnace Weight Ratings

- 300 lbs.
- 500 lbs.
- 1,000 lbs.

## PPCP Facility

- 105,000 square feet

## Production Features

- Minimum: 1 Unit
- Maximum: Several  
Thousand Units
- On-Time Performance  
(OTP) Expectations
- Low Defect Rate  
Expectations
- Kanban Delivery  
Programs
- Just In Time (JIT)  
Delivery Programs
- Stock Programs

## Certifications

- ISO 9001:2008
- PED (European Pressure  
Equipment Directive)

## Industry Specialization

- Chemical Processing
- Construction Machining
- Fluid Handling
- Food and Beverage  
Processing
- Material Handling  
Equipment
- Medical Equipment
- Petro-Chemical  
Processing
- Pharmaceutical
- Pneumatic Fasteners
- Printing Press Equipment
- Pulp and Paper  
Processing
- Sealing
- Textile

## Selected Applications

- Pumps
- Valves
- Flow Meters
- Seals

## Alloys

- Hi/Low Carbon Steels
- Stainless Steel
- 300 Series
- 400 Series
- Precipitation Hardening
- Duplex Stainless
- Inconel
- Monel
- Nickel Base
- Alloy Steels
- Hastelloy
- Copper Nickel Alloys
- Bronze
- Aluminum

## Testing & Inspection

- Spectrographic  
Analysis
- Photomicrographic  
Analysis
- Ultrasonic Testing
- Fluorescent Zyglo®
- Mechanical and  
Physical Testing  
Equipment
- OE Spectroscopy
- Corrosion Testing
- Mechanical Testing –  
Tensile, Charpy Impact,  
Hardness Testing
- First Piece Wax  
Inspections
- Full Metallurgical Lab
- Radiographic Testing (RT)
- Magnetic Particle  
Inspection (MPI)
- Process Control of Wax  
and Slurries
- FARO Portable  
Coordinate Measuring  
Machine (CMM)

## Value-Added Services

- Machining
- Rapid Prototyping
- Passivation
- Coatings
- TIG Welding
- Heat Treating

## Industry Standards

- American National  
Standards Institute (ANSI)
- ASTM International
- American Welding  
Society (AWS)
- Aerospace Material  
Specifications (AMS)

## Drawing/Model File Formats

- AutoCAD (DWG)
- BMP
- DXF
- GIF
- IGES
- JPG or JPEG
- PDF
- SolidWorks
- STP or STEP
- STL
- TIF or TIFF



PPCP is an industry-leading manufacturer of top-quality investment castings committed to delivering excellent quality, superior value and an exceptional customer experience. PPCP has the experience, technical expertise and quality-assurance processes to consistently and reliably deliver an extensive range of casting sizes up to 250 pounds using an array of specialized alloys.

