

One Source Providing Extensive Engineering/Manufacturing Capabilities



Casting Process: Low Pressure

Used for large volume quantities. Specifically suited for intricate and challenging geometric shapes, producing quality castings with consistent dimensional accuracy and superior surface finish.

Alloy: Aluminum (only)

Tooling: Requires a Steel or Cast Iron Permanent Mold

Machining: Minimum to no machining

Weight Capacity: Up to 150 pounds depending on shape



Casting Process: Tilt-Pour Gravity Feed

Used extensively for medium to high volume quantities. Will accommodate simple to some irregular shape castings, producing good dimensional accuracy and surface finish.

Alloy: Aluminum (only)

Tooling: Requires a Steel or Cast Iron Permanent Mold

Machining: Moderate to Extensive

Weight Capacity: Up to 150 pounds depending on shape

Casting Process: No-Bake Sand Molds

Used for lower volume quantities, prototypes, very large irregular shapes and thermal platens.

Alloys: Aluminum, Brass, Bronze and Iron

Tooling: Requires a Wood or Plastic Pattern

Machining: Extensive

Weight Capacity: Up to 600 pounds



Melting Capabilities

- Electric Reverb and Induction furnaces are used to minimize gas inclusion into the molten metal, thereby producing a denser, higher quality casting.

CNC Machining

There are certain dimensional and/or finish tolerances or geometry that cannot be produced as cast and must be machined. Tempco offers a full service state-of-the-art machine shop featuring various types of CNC machine tools to perform all of the precision machining required— from simple to complex contour geometries, including turning and/or boring, with repeatable accuracy from one machined casting to the next. Machinists also build and maintain permanent mold tooling for the low pressure and tilt-pour gravity feed casting processes.



CMM Inspection

Coordinate Measuring Machine provides precise measurement of complex parts in process or at final inspection.



No one can do it better than Tempco – LET US PROVE IT!

Pattern Shop

Tempco has an in-house Pattern Shop to build and maintain the wood or plastic patterns required to produce castings with no-bake sand molds.

