Centrifugal Casting Machines
for the Foundry Industry
TCCM provides Design Engineering services to meet each customers specific requirements. From manually operated machines to semi-automatic machines for high production. Each machine design is modeled using our latest 3D design system. Our 3D modeling program provides the exact combined weights of the mold and casting that is so critical in determining the proper machine for your specific requirements.

**Horizontal Centrifugal Casting Machines**

There are several basic machine sizes available starting with our 5K, 10K, 15K, 30K, 50K and 100K series. Depending on the model, these machines can produce up to a total load rating of 100,000 lbs (45360 kgs). Both ferrous and non-ferrous castings can be produced with lengths up to 20 ft.
Horizontal Centrifugal Babbitt Lining Machines available in a variety of sizes from Bench top models to large floor models capable of producing single piece or split shell Babbitt bearings.
True Centrifugal, Semi-Centrifugal, and Centrifuge (pressure castings) can be produced using Vertical Centrifugal Casting machines. From simple bushings to complex parts, they offer the most diversified method of producing a casting.

Portable vertical centrifugal casting machines to those mounted in a pit below floor level, are capable of handling loads from a few pounds up to several tons.

The portable machines are used for smaller castings such as gear blanks, flanges, and bushings where the larger machines are used to produce heavier loads such as bi-metal rolls, pulverizer rolls, and steel mill rolls just to name a few.

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>VP500</td>
<td>500 lbs (226 kgs) @ 1000 rpm</td>
</tr>
<tr>
<td>VP1000</td>
<td>1000 lbs (453 kgs) @ 1000 rpm</td>
</tr>
<tr>
<td>VP1200</td>
<td>1200 lbs (544 kgs) @ 750 rpm</td>
</tr>
<tr>
<td>VP1500</td>
<td>1500 lbs (680 kgs) @ 750 rpm</td>
</tr>
</tbody>
</table>

*Note: capacity based on the combined load of both casting and mold.*
# Questionaire for Vertical or Horizontal Centrifugal Castings

The following information should be supplied so that Tulsa Centrifugal Casting Machines can provide the proper equipment proposal for your project.

## 1. Range of Sizes in Inches or MM

- **A.** Outside Diameters: From _______ to _______ inches or mm
- **B.** Inside Diameters: From _______ to _______ inches or mm
- **C.** Overall Length: From _______ to _______ inches or mm

## 2. Type of Molten Metal to be Poured

____________________________________

## 3. Is Molten Metal Continuously Available During the Work Hours

________

## 4. Quantity of Castings Per Week

________

## 5. Work Hours Available Per Week

________

## 6. Plant Power Supply

____________________________________

## 7. If Other than Straight Tube Shape, Provide a Drawing or Sketch

______________________________