



Pattern/Mold



Sand Cast Pouring



Centrifugal Casting

FOUNDRY OVERVIEW

Sand Casting

- * Geronimo manufactures our own patterns & core boxes to be poured in stainless steel, nickel and cobalt based alloys.
- * Patterns are used to make sand and shell molds and cores and allows tighter tolerances and high quality surface finishes.
- * Solid models manufactured from a variety of wood and metal.
- * Advantage of using solid models is that it allows cores to be fitted in the mould and checked for metal flow.
- * Geronimo manufactures sand cast parts up to 500 lbs.

Centrifugal Casting

- * Water-Cooled Horizontal Centrifugal Casting Machine.
- * Centrifugal Casting up to 1,000 lbs.
- * Centrifugal Casting up to 27" OD & 36" Length

Pouring

- * Geronimo's foundry has five (5) furnaces (cupolas):
 - * 1,000 lbs., 750 lbs.(2), 250 lbs.(2)
- * Geronimo uses certified North American based ingot.
- * All material pours are certified to URS certification requirements.

Heat Treating, Quenching, Cutting, Sandblasting

- * Geronimo has four (4) heat treat ovens, along with our inductive heat capabilities.
- * Quenching is done in a 6' x 6' x 4' tank where the liquid is bubble aerated with compressed air to dissipate heat.
- * Geronimo can water quench 1,000 lbs. per hour and "polymer" quench 300 lbs./hour.
- * Geronimo's saw allows a 20" cut up to a 32" OD w/7" wall or 14" round bar.
- * Isolated sandblasting booth: 12' x 10' x 8'.

The Highest Quality Delivered On-Time, Every Time!