Centrifugal Casting Machine Company, Inc.

The world leader in centrifugal casting and permanent mold technology

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MODEL HS-WC

Horizontal Centrifugal Casting Machine — 45 Ton Capacity

The Model HS machine is used to cast the outer shell of bi-metal steel rolls as well as heavy tube castings. The machine utilizes a spinning mold, or chill, on four trunnion wheels.

Model HS machines are used by some of the premier Bi-Metallic roll producers in the world, including United Foundries, Eisenwerk Sulzau-Werfen, Walzen Irle, Tata Yodogawa, China First Heavy Industries, Dnepropetrovsk Rolling Rolls Plant, Xingtai Delong Iron & Steel Group.

STANDARD FEATURES

- *Hydrostatic Drive System*
- *Four Pillow Block Assemblies*
- *Machine Base Assembly Drawings*
- *Vibration Monitoring System*
- *Mold Coating Assembly*
- *Main Operator's Console*
- *Mold Temperature Monitoring*
- *Industrial Computer*
- *Drawings for Auxiliary Items*
  - *Pouring System Assembly*
  - *Moving Platform Assembly*
  - *Flux Application Assembly*
  - *Temperature Probe Assembly*
  - *Overhead Moving Roof Assembly*
  - *Mold Cleaning Assembly*

MODEL HS STANDARDS

- *Acceleration: <7 Minutes*
- *Deceleration: < 5 minutes*
- *Vibration: <1 mm without a chill, <4-5 mm with chill*
- *Temperature: < 20 degrees c below the real temperature*

TECHNOLOGY AND SERVICE (supplied as required)

- *Centrifugal Casting Technical Manuals*
- *Start Up Service by World Experts in Roll Production.*
- *Operational parameters for customer application*
- *Technology sharing for HSS and Semi HHS roll applications among others*
- *12 month equipment warranty*

CASTING ALLOYS

Materials cast include: Carbon Steel, Alloy Steel, Stainless Steel, Gray Iron, Ductile Iron, High Chrome Iron, Roll Materials (ICDP, HCRI, HCRS, HSS, S-HSS) Copper and Copper Alloys, Nickel Alloys and Cobalt Alloys.

MODEL HS-WC

MOVING ROOF
(CUSTOMER SUPPLIED)

MOVING PLATFORM
(CUSTOMER SUPPLIED)

SECTION C—C