

Tilt Pour Casting

VENDOR

Hall CMH Manufacturing

MATERIALS

N/A

Casting is a process, in which liquid metal is poured into a mold, that contains a hollow cavity of the desired shape, and is then allowed to cool and solidify. The solidified part, known as a casting, is ejected out of the mold to complete the process. Casting is most often used for making complex shapes that would be difficult or uneconomical to make by other methods.

Casting processes have been known for thousands of years, and widely used for sculpture, especially in bronze, jewelry in precious metals, and weapons and tools.

APPLICATIONS

N/A

Traditional techniques include lost-wax casting, plaster mold casting and sand casting.

The modern casting process is subdivided into two main categories: expendable and non-expendable casting. It is further broken down by the mold material, such as sand or metal, and pouring method, such as gravity, vacuum, or low pressure.

SPECIFICATIONS

- 36" x 38" mold size
- Up to 4,000lb. mold weight

- Nearly 60,000 lb. clamping pressure
- Robot for loading molten material

Daylight Opening	17.50 in.
Pressure Height Center	12.50 in.
Machine Weight	8,150 lbs.
Tie Bar Size	2 in. diameter
Tilt Speed	7 seconds

Max Mold Weight	4,000 lbs.
Ram Stroke	30 inches