

# COMPANY PROFILE



**MC** | Metloy Cast  
Precision Casting. Delivered.

Company Address:  
Metloy Cast,  
Plot No. 88, Road No. 8-B.  
Kathwada G.I.D.C.,  
Kathwada, Ahmedabad,  
Gujarat.

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## INTRODUCTION



Metloy Steel Cast is a leading Casting Manufacturing company situated in Kathwada G.I.D.C, Ahmedabad. With the goal of providing precise and quality casting products to our customers, Metloy Cast has now captured firm ground in the casting industry.

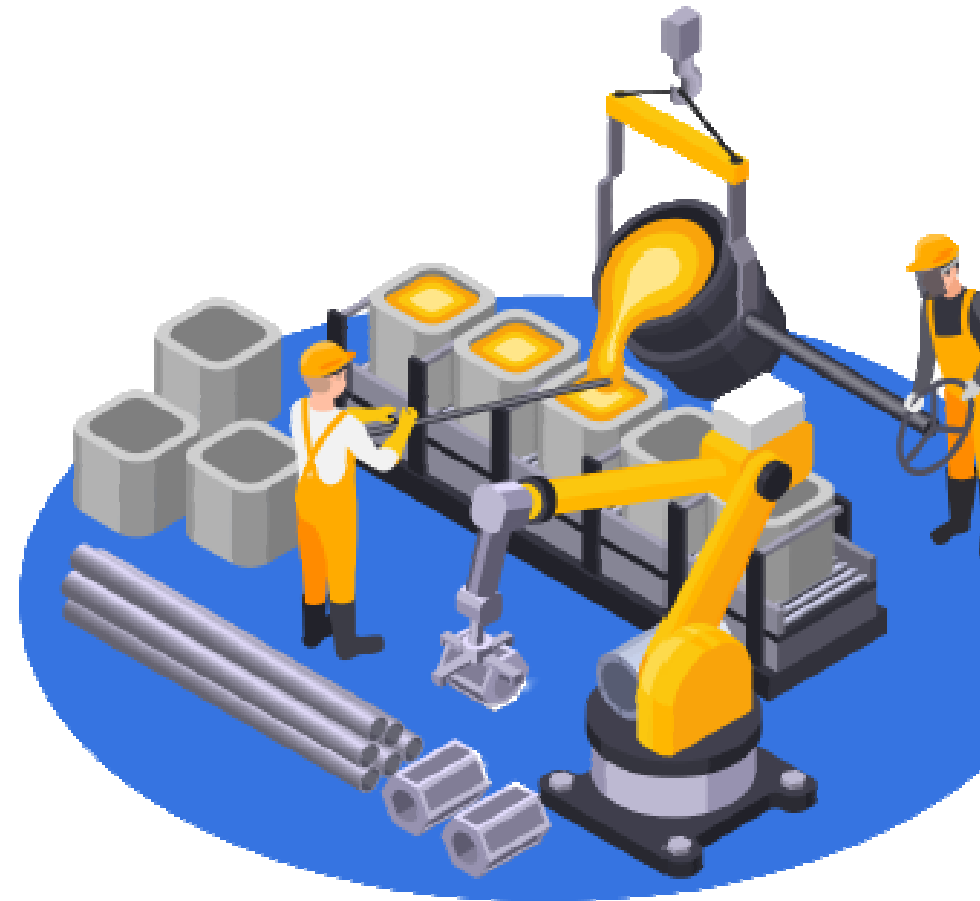
Metloy Steel Cast is highly glad to supply castings in industries related to Valves, Pumps, Blasting Machines, Chemical Machines, Sculptury and many more. In Addition, We have Fullfilled the needs of Material grades such as Cast Iron, Mild Steel, SS 304, SS 316, SS 316L, High Chrome Steels, Brass, Gun Metals and special grades required by our customers.

With its Sister Companies namely Maxon Steel Cast and Goffer Steel Cast, We have a manufacturing capacity of 100 tons per month.

# Sand Casting

Sand casting, the most widely used casting process, utilizes expendable sand molds to form complex metal parts that can be made of nearly any alloy. Because the sand mold must be destroyed in order to remove the part, called the casting, sand casting typically has a low production rate. The sand casting process involves the use of a furnace, metal, pattern, and sand mold. The metal is melted in the furnace and then ladled and poured into the cavity of the sand mold, which is formed by the pattern. The sand mold separates along a parting line and the solidified casting can be removed

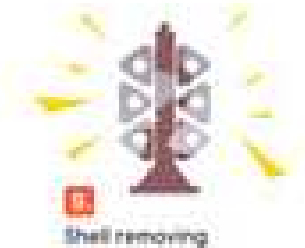
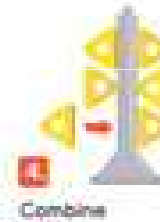
Sand casting is used to produce a wide variety of metal components with complex geometries. These parts can vary greatly in size and weight, ranging from a couple ounces to several tons. Some smaller sand cast parts include components as gears, pulleys, crankshafts, connecting rods, and propellers. Larger applications include housings for large equipment and heavy machine bases. Sand casting is also common in producing automobile components, such as engine blocks, engine manifolds, cylinder heads, and transmission cases.



# Investment Casting

Investment casting, also known as precision casting or lost-wax casting, is a manufacturing process in which a wax pattern is used to shape a disposable ceramic mold. A wax pattern is made in the exact shape of the item to be cast. This pattern is coated with a refractory ceramic material. Once the ceramic material is hardened, it is turned upside-down and heated until the wax melts and drains out. The hardened ceramic shell becomes an expendable investment mold. Molten metal is poured into the mold and is left to cool. The metal casting is then broken from the spent mold.

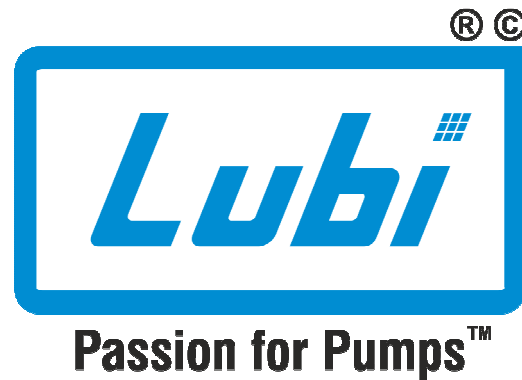
These process qualities can provide net shape or near-net shape castings, which provide customers with significant cost savings in material, labor, and machining. It can make use of most common metals, including aluminum, bronze, magnesium, carbon steel, and stainless steel. Parts manufactured with investment casting include turbine blades, medical equipment, firearm components, gears, jewelry, golf club heads, and many other machine components with complex geometry.





# OUR CUSTOMERS

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Flow-Max Valves



And Many more....

# Contact Information

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Address: Metloy Cast, Plot No. 88, Road No. 8-B,  
Kathwada G.I.D.C., Kathwada,  
Ahmedabad, Gujarat.

Contact No. : 9377012651, 9825432762  
( Mr. Nandlal Babariya)

Email ID : [info@metloycast.com](mailto:info@metloycast.com)

Website : [www.metloycast.com](http://www.metloycast.com)