MRIDINI CASTINGS L.L.P

Where Innovation Meets Quality

Product Gallery

About Us

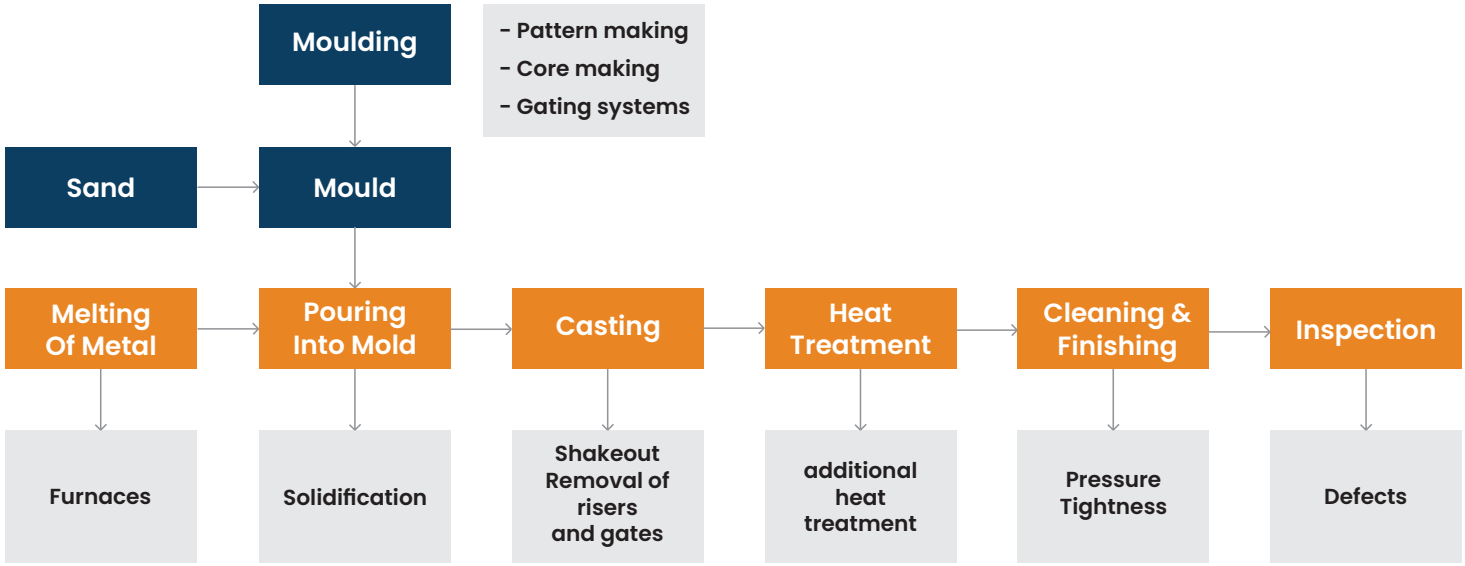
Established in 2021, we at "MRIDINI CASTINGS L.L.P.", based in Gujarat (Rajkot), are a leading manufacturer, supplier, and trader of engineering parts. With over 30 years of experience, we have built a strong reputation in the industry. Our range of engineering parts can be cast using sand casting, and we offer various types of casting such as mild steel casting, SS 316, SS 304, EN 9, EN 8, HCHCr, MN Steel, and any type of grade.

As a manufacturing unit, MRIDINI CASTINGS L.L.P. is always ready to serve our reliable customers with the best and prompt services. We specialize in handling bulk orders, thanks to our spacious warehousing. Our offered range is available at market-competitive prices. These products are strictly quality monitored in compliance with industry standards to ensure maximum satisfaction for our customers.

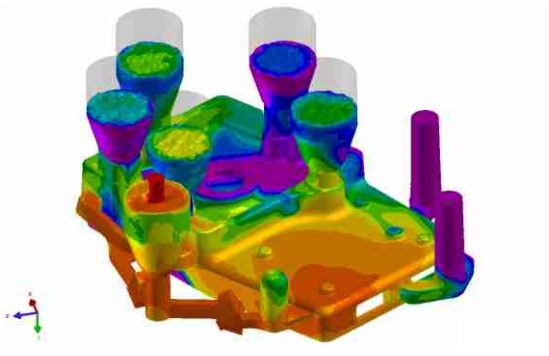
Sand Casting Process

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 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.

Route To Accuracy



Simulation Facility



At MRIDINI, we provide a Simulated Casting facility for challenging jobs, utilizing tools to simulate filling, solidification, and cooling analyses. Defects in sand castings can often be traced back to the filling stage.

MRIDINI has extraordinary accuracy in predicting metal flow, providing insight into the performance of the rigging system and resulting fill defects. Oxide formation and cold shuts are accurately tracked and located in the final casting. Risers are sized and placed at hot spots, while advanced solidification and shrinkage analysis allow for a final, optimized design to be reached in even the most challenging manufacturing environments.

Machinig & Testing Facilities

In addition to having an in-house machining facility for proof-machining components, Mridini Casting LLP can also arrange for the outsourcing of finished goods. We are also capable of performing tests such as chemical and mechanical tests, hydro pressure tests, and more.

Advantages

The CO2 casting process is ideal where speed and flexibility are the prime requirements. Molds and cores of various sizes and shapes can be molded by this process.

This process has many advantages compared to other forms of casting. Some of them are as follows:

- Compared to other casting methods, cores and molds are strong.
- Reduces fuel costs since gas is used instead of other costly heating elements.
- Reduces the large requirement for mold boxes and core dryers.
- Provides great dimensional tolerance and accuracy in production.
- Moisture is completely eliminated from the molding sand.

ISO Certificate


ICL
Integral Certification (P) Ltd.

Certificate
OF REGISTRATION

This is to Certify that the Management System of

MRIDINI CASTINGS LLP

Plot No. 1,2,3., R. S. 252, Opp. Field Marshal School, Near Galaxy Bearing Ltd, Shapar Kotda Sangani, Rajkot, Gujarat, 360024 (India)

has been found to conform to the Quality Management System standard:

ISO 9001:2015

This certificate is valid for the following scope of operations:

Manufacturer, Supplier & exporter of all type of Castings & Centrifugal Casting Component in Ferrous and non ferrous grades

Certificate No.: IN19853A

Date of initial registration	Date of this Certificate	Recertification Due
26 May 2023	26 May 2025	25 May 2026

This Certificate remains valid subject to satisfactory surveillance audits

IAF

Director

Integral Certification (P) Ltd.

Applications

Pump & Valve Industries

Heavy Machine

Marine

Steel Plants

Gears

Blowers & Impellers

Mining machines

Power Plant

Railways

MRIDINI®

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