



VASANT
GROUP
A Winning Attitude



**MITTAL PRESSURE DIE CASTING (PDC)
& GRAVITY DIE CASTING (GDC)
COMPONENT MANUFACTURING**

» MITTAL PRESSURE DIE CASTING (PDC) & GRAVITY DIE CASTING (GDC) COMPONENT MANUFACTURING

We offer you the facility of High Pressure Die Casting & Gravity Die Casting using different metals and the resultant products maintain the quality standards set. We use latest and state of the art technologies. A wide variety of Aluminum castings are created depending on the requirements of the customers.

Our sophisticated technology application helps us to manufacture even the most complicated of casting and components. These products range A wide variety of basis the specifications provided by the customers. Maintaining the right temperature, and ensuring precision and skill in the execution of the product manufacture is important for the product specifications to be attained. We understand the criticality of the same and thus our products are considered to be in accordance with what our customer demands. We adhere to the principle of giving our customer interest priority and our product quality and prices have always been in accordance with what they expect from us. This is the sole reason why we have been able to carve a niche for ourselves and satisfied the requirements of both domestic as well as international clientele. Our vast experience is proof of the quality we offer but that does not mean that we do not practice the latest technological advancements while manufacturing our products.

» QUALITY SYSTEM

QUALITY PROCEDURES & DOCUMENTATIONS:

- » MRM
- » Internal Auditing System
- » Customer Complaint Analysis (1000PPM)
- » CFT Meetings
- » Feasibility & APQP
- » PFMEA
- » Control Plans & Work Instructions
- » PPAP
- » FPA
- » MSA
- » SPC
- » Inspection Process
- » Process and Product Audits
- » Analysis Process - CAPA, 8D
- » Continuous Improvement Programs
- » Training Programs

HIGH PRESSURE DIE-CASTING



High Pressure Die Casting (HPDC) is an efficient component manufacturing method for the production of various product forms with extremely quick casting possibilities coupled with a high-pressure **injection process**. The casting of a molten alloy into a mould is complete within several milliseconds. Due to the external pressure, it is possible to flow the molten metal into each and every corner of the complex shape of cavity, hence the complex shape of the casting can be easily produced.

» COMPONENTS



GRAVITY DIE-CASTING



Gravity Die Casting (GDC) is a permanent mould casting process, where the molten metal is poured from a vessel or ladle into the mould. The mould cavity fills with no force other than gravity and filling can be controlled by tilting the die. Undercuts and cavities can be incorporated into the component from with the use of sand cores. This process gives a better surface finish than sand casting as well as better mechanical properties, both due to rapid solidification.

» COMPONENTS





MITTAL PRECISION PRESSURE DIE CASTING LLP

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