



## Aluminium Foundry GDC and Sand castings

**Capacity :** 1800Mt/ year

**Types of Castings :** Gravity Die Castings and  
Sand Castings and Tilt Gravity castings

**Weight of Castings :** 0.08 Kgs to 150.0 Kgs

**Grades of castings produced :** AlSi10Mg,  
AlSi12, LM25, LM6, LM9, LM 4, LM 16

# ALUMINIUM FOUNDRY

## GENERAL INFORMATION



### MAIN EQUIPMENTS

- Melting cum Holding Furnaces- 3 Nos. (300 Kg each)
- Holding Furnaces- 3 Nos. (125 Kg 1no, 200 kg 2 nos)
- 500 Kg capacity hydraulic Tilting type furnace, complete with Nitrogen degassing machine 2 nos.
- 2 nos. Mobile Degassing Units-Using Nitrogen Gas (Eco-Friendly and most effective modern technology)
- Melting by electricity only.
- **Continuous mixer plant with sand reclamation and secondary attrition plant with a capacity of 12 MT sand per hour**
- Washing Machine

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# ALUMINIUM FOUNDRY

## PRODUCTION FACILITY DETAILS

**VULKAN**  
DRIVE TECH



GDC Machines with Tilting capability



Continuous mixer capacity 12 MT per hour manufactured by Laud's Foundry Eqpt Germany



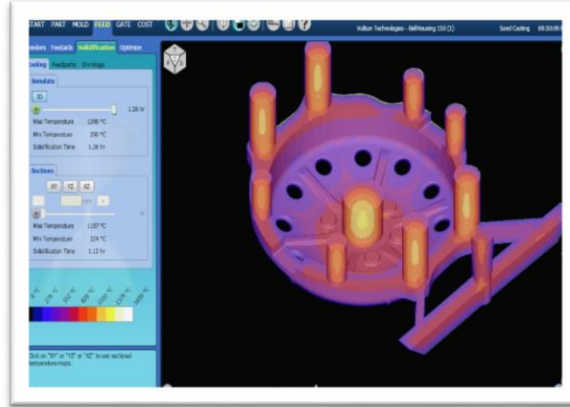
Sand Testing Equipment

# ALUMINIUM FOUNDRY

## PRODUCTION FACILITY DETAILS



Sand casting facility with Alfa set resin bonded sand system. Maximum box size: 2500X600x700 mm. Mould boxes can be procured as per size of the casting.



Casting Simulation capability with a dedicated Design engineer.



State of the art machine shop with VMC's , HMC, VTL, CNC turning centers and CMM

### **Power Transmission Components (25 %)**

A) Marine

B) Industrial

### **Engine parts (40%)**

A) Marine

B) Industrial

### **Vacuum\_pump castings (30%)**

### **Others ( 5 %)**

# ALUMINIUM FOUNDRY

## QUALITY SYSTEMS

**VULKAN**  
DRIVE TECH



Plant Approval from all major Marine classification societies like Lloyds, BVQI, GL, ABS, DNV.

Audits conducted and approvals received from various customers

- 1) **Caterpillar USA.**
- 2) **Ateliers Busch Switzerland.**
- 3) **Perkins UK.**
- 4) **Siemens Germany.**



**VULKAN Kupplungs- und Getriebebau, Germany**

**American VULKAN Corporation, USA**

**VULKAN do Brasil LTDA, Brasil**

**Perkins India**

**Atelier's Busch Switzerland**

**MAN Diesel and Turbo Ltd. (India, Denmark, France**

**Cummins India Limited, Pune, India**

**Caterpillar India Pvt. Ltd**

**Alfa Laval Moatti France**





Vulastik – L housings and reinforcement Rings



Glocke Housing

Supply of 16 cylinder and 12 cylinder Oil Sump Assemblies since 2007. We have supplied more than **7000 Assemblies.**

## Air Pipes and Suction Pipes

Oil Sump Assemblies with Suction Strainers for 6 and 8 Cylinder (In-line) and 12 and 16 cylinder (V-line) Engines for Powergen and Industrial applications.

**We have supplied 1500 assemblies in 2016.**

**2017 YTD: 1600 nos**

Oil Separator Housings for Vacuum Pumps. Critical castings with intricate features and good surface finish Requirements. We are supplying 300 castings permonth.

# ALUMINUM FOUNDRY

PARTS :MAN DIESEL AND TURBO (INDIA, FRANCE AND AUSBERG)

**VULKAN**  
DRIVE TECH

Various Types of Cover for 21/31 Engines.  
**We are supplying 1000 nos of covers  
every month**

**MANY THANKS**  
FOR YOUR KIND ATTENTION

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