

BANGALURE -560 099 - INDIA.

RHEOTECH FOUNDRY PVT. LTD.

Plot No.67D, Sy. No.305, Bommasandra Indl Area, Hosur Main Road, Bengaluru - 560 099. GST No.: 29AAJCR4432P1ZP





Welcome

RHEOTECH FOUNDRY PVT. LTD.

























UNIT -3

















RHEOTECH FOUNDRY (P) LTD — UNIT-3

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- **❖** Established 1990
- * Manufactures of Aluminium Die Casting (High Pressure Die Casting (HPDC), Low Pressure Die Casting (LPDC), Gravity Die Casting (GDC), Squeeze Die Casting (SDC), Vacuum Die Casting (VDC) & Magnesium Die Casting, including all value addition services such as fettling, Vibro, Heat treatment, Shot Blasting, Machining, Chromating, Plating, Powder Coating & Others.
- **❖ IATF -16949 Certified Company.**
- **❖** Making moulds / jigs and fixtures in house.
- Mould design and developments in house.

Rheotech Foundry Private Limited has Branches in Bangalore & Coimbatore.

Coimbatore unit is equipped with 2 X 800 Ton Bhuler Machines, One 400 Ton, 120 Ton & Italpresue Machines, one X-Ray Machine and one Spector Meter.

Bangalore unit is equipped with one 1100 Ton HMT machine, 2×650 Ton automatic Toshiba machine 2×400 ton machine, 1×180 machine, 4×100 Tolor machines, 1×100 Tolor machine, one shot blasting machine and other GDC related setups.

We have in-house design team and machine shop consisting of one BFW VMC, automatic drill tap centre, CNC turning centre and other conventional machines.

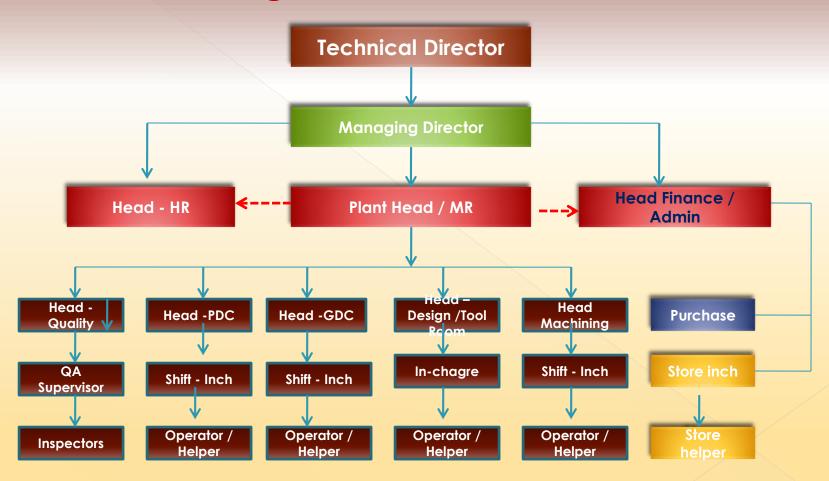
Rheotech Foundry Pvt. Ltd has an indigenously developed magnesium melting furnace and magnesium die casting setup.



RHEOTECH FOUNDRY (P) LTD – UNIT-3

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Organization Chart.





RHEOTECH FOUNDRY (P) LTD — UNIT-3

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CLIENTS





















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Sktc Vacations Pvt. Ltd. Delhi, India



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Company Profile

Over 30 years of technical expertise in the Aluminium die casting industry. We have been supplying NSD X-Ray level castings constantly using GDC and LPDC process. We have developed up to 3 ton single piece, we have also achieved UTS of 350 N/m2 and elongation of over 8%

Have implemented squeeze die casting technique and supplying NSD level casting through HPDC process.

Recently started supplying magnesium castings through our indigenously developed magnesium melting furnace.

We are very keen in doing R&D activities on Aluminium and magnesium castings thus can prove & supply castings of any complexity. .

































SHOT BLASTING MACHINE











GDC SHOP









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Heat Treatment Process Shop









Metrology Lab







Vision Measuring System.



Spectrometer





CMM



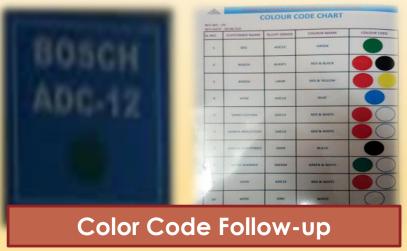
Radio Graphy Testing



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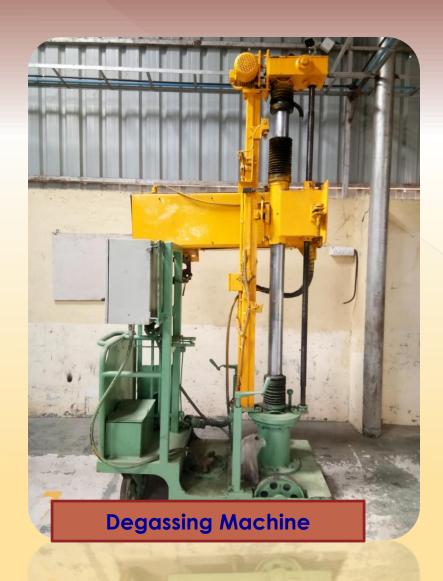




















Machine Shop





BFW VMC Machine.





BFW CNC Turning Machine





CNC Drill Tap Machine.





VMC Machine

CNC Lathe







PACKING STD







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Tooling Machine -BFW





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DESIGN SOFTWARE

NX-11 - Unigraphics Auto cad Simulation -DHIO



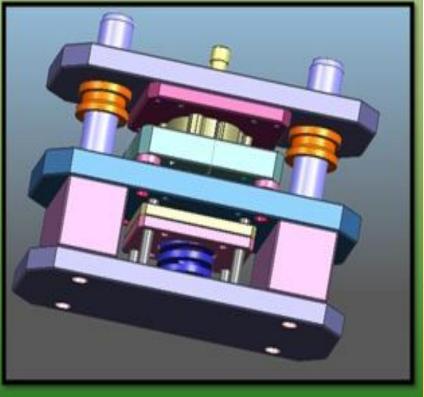




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Rheotech in-house design & manufacturing







Mould Simulation





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Items	Photo	Benefit
1. Common Melting furnace		* Maintain 70:30 ratio * Maintain metal temp within specs. * Excellent control on melting process.
2. Nitrogen Degassing machine		* Degassing more effective.



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Error proof in Die Casting Process

Items Photo Benefit 3. Density Index * Validation of Finder Degassing, Good melting practice. 2. Inhouse Spectro machine * Excellent control on chemical composition of raw material.



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Items	Photo	Benefit
5. Auto laddle		* Machine Automation for equal qty of metal pouring system in place. (POKE YOKE)
6. Auto spray		* Machine Automation for consistent spray. (POKE YOKE)



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Items	Photo	Benefit
7. Interlocking of PDC machine w.r.t metal temp. at Holding Furnace.		* PDC machine will not work when the metal temp below 640 deg C & above 680 deg C (POKE YOKE)
8. Die temp monitoring using Infrared thermometer.	THE PERSON OF TH	* Control of die temp at critical zones.



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Items	Photo	Benefit
9. X ray Inspection at Third part Lab.	SS SCIENTECH SERVICES THE RESIDENCE OF THE PROPERTY OF THE PR	Every new tools castings checked X- ray at critical zones to validate the die design.
10. Visual Insp with 4X lens.		100% Inspection for defects at critical zones.



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Error proof in Die Casting Process

Benefit Items Photo * Control on diecoat 11. Calorimeter to concentration. ensure the die coat concentration. 12. Trimming * Automation at operation deburring process. (Poke Yoke)



Error proof in Die Casting Process

Photo Benefit Items 11. Mould flow * Control on diecoat simulation study. concentration. Velocity Simulation



Safety measures for employees



Safety measures for employees





Safety measures







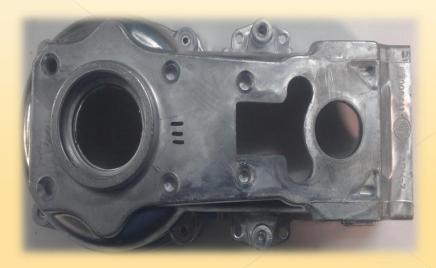






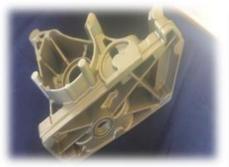






HIGHPRESSUREDIE CASTINGS







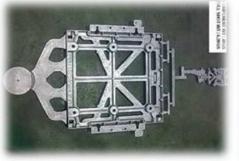




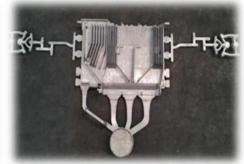




























HIGH PRESSURE DIE CASTINGS













LOW PRESSURE DIE CASTINGS























































GRAVITY DIE CASTINGS



















Item: Fan Hub (Indian Railway)
Diameter 700mm X

Height 500 mm

Weight: 130 Kgs.

Supplying to: Railways

Item: Fan Blade

Length 600mmx width 300mm

Weight: 130 kgs.

Supplying to: Railways



MAGNESIUM COMPONENTS







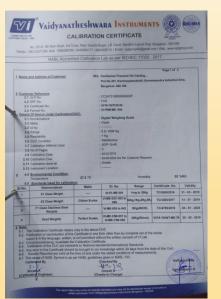






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CALIBRATION CERTIFICATE

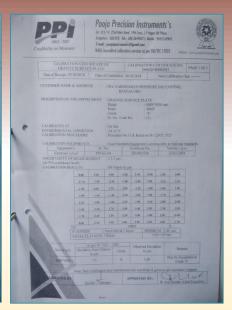
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BANGALURE -560 099 - INDIA.

IATF 16949 Certificate.





VISION

Rheotech Foundry Private Limited want to be chosen by our customers as a global supplier of standard and custom made products & services and for our reputation of responsiveness and dependability..

MISSION

Continuously innovate and develop products and services to meet the needs of society, helping business partners find cost saving solutions and improvements that enhance growth.



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ENVIRONMENT POLICY

We will make every effort to continuously understand the need for protecting the environment. We will ensure that our products and business operations are aligned to meet these needs and in doing so, comply with all statutory requirements.

SAFETY POLICY

It will be our endeavour to provide our employees a safe working environment using the best available practices, tools and education, thereby achieve and maintain a ZERO ACCIDENT facility.



