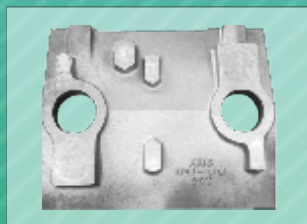




Machined Ferrous Casting & Non Ferrous Castings

Rajamane®

Delivering Solutions



Engineering Concepts to Castings

Rajamane industries Pvt. Ltd. , (RIPL) has been a pioneer in the field of Coolant pumps since 1975. RIPL is India's largest coolant pump manufacturing company and a preferred supplier for many machine tool manufacturers.

The company as part of its expansion plan has set up a 2400 MTA ferrous and 120 MTA capacity non ferrous foundry.

The plant is located at Dobbspet, close to Bangalore.

The Green field state of the art foundry having the latest high pressure Moulding machine and a complete PLC controlled sand plant to meet the quality norms of the industry. RIPL is equipped with all the necessary chemical and mechanical testing equipments and is capable of producing high quality castings.

Plant Capacity

Ferrous - 200 Ton / month

Non Ferrous - 10 Ton / month

Material Grades

Grey Iron FG - 200 / FG 250 / FG 300

SG Iron - Up to SG 600/3

(Automatic & Hand Moulding Process)

Import Substitute Aluminium Copper and special alloys

(GDC / Sand Moulding Process)

Weight

Ferrous - Up to 200 Kg

Non Ferrous - Up to 10 Kg

Process Flow : Top & Bottom Mould / Core Placing / Mould Closing / Mould Pushover / Jacket Placing / Top weight Placing / Pouring / Cooling / Shakeout / Fettling / Shot Blasting.



Moulding Machine

Make : Sinto - FDNX-0

Capacity : 100 moulds per hour [NON CORED COMPONENTS]
70 moulds per hour [CORED COMPONENTS]

Moulding : Mould size : 350X450X150 - Flaskless

Impaction Method : Airflow Mult-ram Process.

Sand Plant

Capacity : 10 MT /hr

Process : Sand mixer / Batch hopper / Auto PLC for additive control with Aerator & Automatic s with moulding machine.



Bangalore Head Office



Foundry Building



Auto Moulding Line



Shot Blasting



Melting

Dual Track IGBT based induction Furnace

- Capacity : 500kg x 2
- 600 KW each
- Melting rate = 1 MT/ hr.



Fettling Process

Shot blasting :

- Hanger and Tumbling type capacity 1.5 ton / hr.
- Bench and wheel grinders with turn table

Automatic Shell core shooters

Make : Susha
 Plate Size : 450 X 375 X 200mm
 Max core weight : upto 18 Kg



Quality Control Equipment

- Spectrometer
- CE Meter
- Universal Testing Machine
- Brinell / Vickers hardness Tester
- Impact Testing
- Sand Testing Equipment
- Metallurgical Microscope
- Moisture Testing
- Fatigue Testing



UTM



Sand Testing Facilities



Torsion Testing

Non Ferrous Foundry

Component Wt Range = 0.10 Kg TO 10 Kg
 Sand and GDC In Copper and Aluminium Based alloy
 As per DIN, ASTM, BS & other ISO Stds



Induction Melting Furnace
 100kg/Hr. capacity



Resistance Type Holding Furnace
 Capacity 100Kgs x 2 Nos.



Shell Moulding Machine
 Mould Dim. 350x450x75mm



Shell Core Making Machine
 Capacity up to 15 Kgs.



Hydraulic Controlled Die Fixtures



Impact Testing



Spectrometer

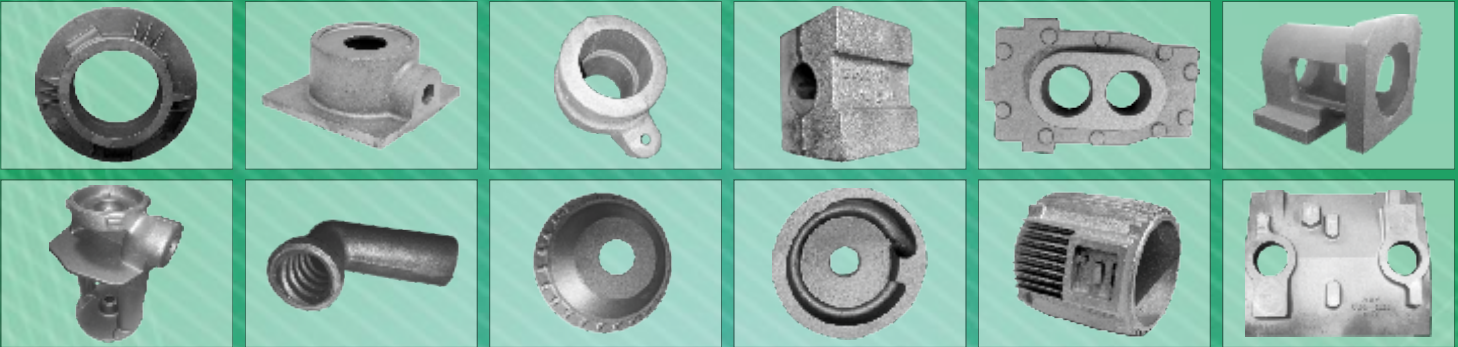


Microscope with Image Analyser



CMM

Product Photo - Ferrous



Product Photo – Non Ferrous



We also Manufacture Coolant Pumps, Electric Motors & Oil Skimmers



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