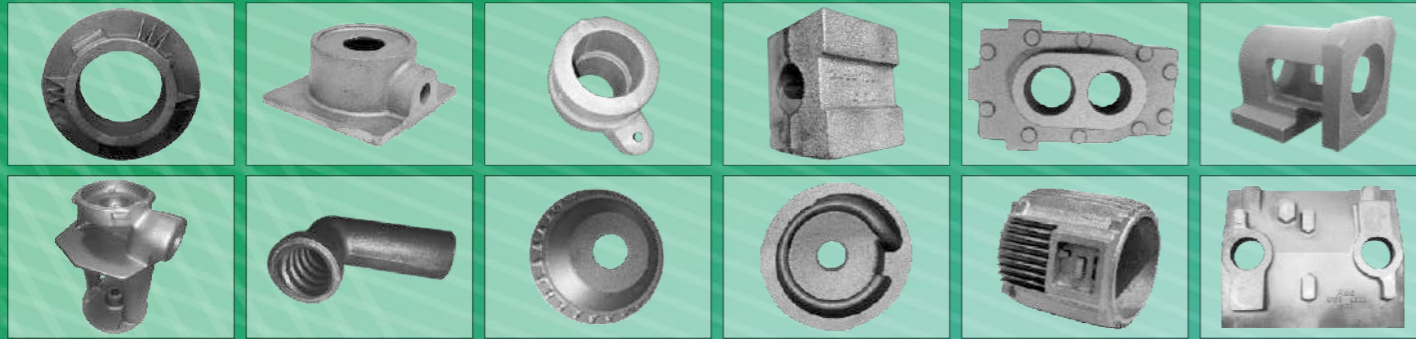




# Machined Ferrous Casting & Non Ferrous Castings



## Product Photo - Ferrous



## Product Photo - Non Ferrous



We also Manufacture Coolant Pumps, Electric Motors & Oil Skimmers



### Rajamane Industries Pvt. Ltd.,

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E-mail: coolantpump@rajamane.com  
www.rajamane.com

### Foundry Division :

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Nidvanda Village, Near Dobbspot  
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# 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 Dobbset, 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 /



**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 Multi-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.



**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



**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



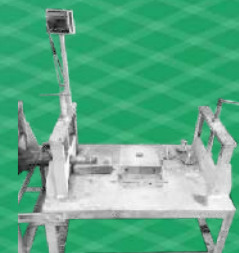
Resistance Type Holding Furnace  
Capacity 100Kgs x 2 Nos.



Shell Moulding Machine  
Mould Dim. 350x450x75mm



Shell Core Making Machine  
Capacity up to 15 Kgs.



Hydraulic Controlled Die Fixtures



Bangalore Head Office



Foundry Building



Auto Moulding Line



Shot Blasting



Impact Testing



Spectrometer



Microscope with Image Analyser



CMM