



**LRT**  
**FOUNDRY DIVISION**  
END TO END SOLUTIONS

LRT Foundry is the solution to all your steel casting needs serving a major link in your supply chain. We have ventured in the foundry business to serve our front end customers ensuring a smooth flow in their manufacturing process. LRT is part of the USD 400 Million LMW Group headquartered in Coimbatore, India providing reliable service to global companies.

LRT provides a wide range of steel castings through its Sand Foundry and Machine Shop. Since inception LRT have built a strong record of reliability, quality and service. The various quality certifications, stamp of approvals, etc., ensures our continuous commitment to quality.

Foundry capacity - 4800 Tons per annum.

LRT Foundry offers a distinctive value proposition that differentiates it from others in the industry. Our casting capabilities include:

- Casting from 50 Kgs to 2.5 Ton single piece weight
- Fully machined parts and sub assemblies
- Wide range of alloys
- Carbon steels, Low alloy steels, Stainless Steel and High alloys Complex high mix low volume engineered parts
- Partner with customers to optimise casting design with the aid of design and flow simulation software like MagmaSoft, Ideas, UG and AutoCAD for applications such as fab to cast
- Full range of in-house testing facilities available to offer upgrade (Radiography) cast parts for severe service applications

At LRT, we believe in **Long term partnerships** with our customers and we look forward to an opportunity to explore new avenues that could prove mutually beneficial.



## Sand Foundry - Facilities

### Moulding and Core Making

- Manual Silicate – Co2 Line with CBS System.

### Melting (Induction)

- 750 KW - Dual Track - 2500 Kgs, 1500 Kgs Crucible.
- 175 KW - 300 Kgs Crucible.



### Power

1980 KVA National Grid with 500 , 62 KVA Captive Generation.

### Heat Treatment

- 5 Ton , 3 Ton , 200 Kilo Electrical Furnaces suitable for Normalising, Quenching and Tempering.
- Shake Out and Sand Reclamation:
- 5 Ton Shakeout Grid with Magnetic Separator Sand Reclamation - 2 Ton / Hour Capacity.



### Fettling and Finishing

- Gas & Arc cutting
- Grinding Equipments
- Pickling and Passivation



### Inspection and Quality Assurance

- 24 Channel Vacuum Emission Spectrometer.
- Tensile Testing, Hardness testing ,Impact Microstructure tests
- Radiography IR-192 and Cobalt-60 sources
- Surface finish inspection as per MSS SP-55 SCRATA standards
- Magnetic particle testing – Wet, & dry type,
- Die penetrant testing

## Manufacture Specification

### ASTM grades

- A216 WCB, WCC, LCB, LCC
- A148 Low alloy high strength steel
- A217 WC6, WC9, C5, C12, A487 4Q
- AAR M201, B2M1C

### Stainless Steels and High alloys Steels

- A351, CF8M, CF3M, CN7M, CD4MCu, CF8C, 17-4PH
- CD3Mn, CE3Mn, CK3McuN, CD3MWCuN and other Duplex Stainless Steels
- CK20 and CH20 and other heat resistant grades
- DIN, EN grades and other specification as per need.



## LAKSHMI RING TRAVELLERS (COIMBATORE) LIMITED

### Foundry Division

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