

# RRK ALLOYS

( An ISO 9001 , W0 / AD2000 and PED Certified Company )

## COMPANY PROFILE

Steel Foundry

Manufacturer of Steel and Stainless Steel castings



# RRK ALLOYS

Site NO. 50 & 51 Sri Subaganesh Industrial Estate,  
Kuppepalayam Post, Via Sathy Road,  
Coimbatore - 641 107, Tamilnadu – India.

Tel: + 91 90470 54305

Mail: [rrk@rrkalloys.com](mailto:rrk@rrkalloys.com); Web: [www.rrkalloys.com](http://www.rrkalloys.com)

# Introduction

**RRK Alloys** engaged in manufacturing and exporting a wide range Carbon Steel, Stainless Steel, Low Alloy Steel, Heat Resistant Steel, Martensitic Stainless Steel (CA6NM), Precipitated Hardened Steel (CB7Cu-1), Nickel Alloy and Duplex Stainless Steel Castings to Customer Specification and Drawing.

**RRK Alloys** located at Site No. 50 & 51, Sri Subaganesh Industrial Estate, Kuppepalayam Post, Via Sathy Road, Coimbatore – 641 107, India. The foundry is situated in the north part of Coimbatore city at a distance of 20 K.M. from City Bus stand, 25 K.M. from Coimbatore Railway Station and 16 KM. from Airport. Coimbatore is one of the major industrial hubs for Foundry and Engineering activities with special emphasis on Steel Castings and Machined components. **RRK Alloys** developed infrastructure with complete production facilities is spread over an area of 40670 sq. feet. The company manufactures products for customers who expect perfection.

**RRK Alloys** today earned a reputation in Valves Industry, Pump Industry, General Engineering Industry, Power Plant, Mining and Mineral Industries by setting high business standards, in depth engineering knowledge and experience. We achieved this by keep in close contact with our customers, suppliers, subcontractors & logistic partners.

**RRK Alloys** Managing Partner Mr. D.Ramesh is having Bachelor of Mechanical Engineering degree with 20 years experience in Steel Foundry and Mr. S.Radhakrishnan is having B.Tech, MS (UK) with 4 years experience in Marketing Field. **RRK Alloys** mission is to be more than just successful and long term relationships with our customers.

**RRK Alloys** manufacturing team having experience in developing special Steels and Stainless Steels, particularly for Valve & Pump Industries. Production and QA departments are manned by well qualified and experienced Engineers.

**RRK Alloys** is one of the asbestos free foundries in India. Asbestos is banned in 52 Countries including entirely in the European Union (EU) because it causes incurable diseases.

## **RRK Alloys produce castings at the following Steel Grades.**

### **CARBON STEEL :**

ASTM A 216 Gr : WCB/WCC

ASTM A 216 Gr : WCB / EN 10213 1.0619

EN 10213 :1.0619/1.0625

EN 10213 :1.0619/1.0625 ASTM A 216 Gr : WCB/WCC

### **LOW ALLOY STEEL :**

ASTM A 487 Gr : 4A, 4C, 4D, 9C

ASTM A 352 Gr : LCB, LCC, LC3, LC1

ASTM A 217 Gr : WC1, WC6, WC9, C5, C12, C12A

ASTM A 217 Gr : WC6/EN 10213 1.7357

ASTM A 352 Gr : LCB / SEW 685 1.1138

ASTM A 352 Gr : LCC / EN 10213 1.6220

ASTM A 352 Gr : LCB / EN 10213 1.6220

**STAINLESS STEEL :**

ASTM A 351 Gr : CF3 / CF8  
ASTM A 351 Gr : CF8 / EN 10213 1.4308  
ASTM A 351 Gr : CF8M / EN 10213 1.4408  
ASTM A 351 Gr : CF3M / CF8M  
ASTM A 351 Gr : CF3M / EN 10213 1.4409  
ASTM A 351 Gr : CF8C / EN 10213 - 1.4552

**MARTENSITIC STAINLESS STEEL :**

ASTM A 217 Gr : CA15 , CA 40  
ASTM A 487 Gr : CA6NM  
ASTM A 352 Gr : CA6NM

**PRECEIPITATED HARDENED STEEL :**

ASTM A 747 Gr : CB7Cu 1

**NICKEL ALLOY :**

ASTM A 494 Gr : CW12MW, CZ 100, M35 1, M 30 C, CX2MW, CU5MCuC,  
CW6MC, CY 40.

**DUPLEX STEEL:**

ASTM A 890 Gr: CD4MCu, CD3MN (4A), CD3MCuN (1C), CE3MN (5A),  
CD3MWCuN (6A)

**Our Business Expansion plan for the years 2011 to 2013:**

- Full fledged in-house machine shop with CNC machining supported by conventional machines.
- EMS Certifications aiming at high levels of Quality Assurance.
- New Project for Higher Capacity Induction Melting Furnace to 800 Kg Single piece casting weight at 150 - 200 Tons casting production per Month.
- Efficient ERP on line system control with Static IP.
- High speed continuous sand mixing and reclamation system.
- Separate EOT Crane for Heatreatment, Shot blasting and Fettling operations.

**Quality:**

Quality Policy: RRK Alloys is committed to deliver quality castings as per International Standard, Which meets more than customer's expectation by continually improving its Quality Management System.

**RRK Alloys objective:**

Our objective is to ensure maximum value addition to our customers by supplying quality castings on time. We cater to the specific needs of global clients who are in diversified industrial sectors.

## Company Data:

1. Name of the firm : **RRK Alloys**
2. Office / Works : Site No. 50 & 51  
Sri Subaganesh Industrial Estates,  
Kuppepalayam Post,  
Via Sathy Road – SS Kulam,  
Coimbatore – 641 107,  
Tamil Nadu, India
3. Contact person : Mr. D. Ramesh / S.Radhakrishnan
4. Contact Person Designation: Managing Partners
5. Mobile (HP) : + 91 90470 54305 / +91 90420 02349
6. E Mail : [rrk@rrkalloys.com](mailto:rrk@rrkalloys.com)
7. Website : [www.rrkalloys.com](http://www.rrkalloys.com)
8. Type of company : Partnership establishment
9. Industry Status : Small Scale Industries.
- 10.SSI Registration No. : 33 012 12 34085
11. TIN Number : 33622084620 Dated 20.09.2010
12. CST Number : 1025381 Dated 20.09.2010
13. PAN Number : AMR5869AJ
14. Central Excise No. : AAMFR4290BEM001, Range – Annur II, Division – Tirupur.
- 15.Number of employees: 45 ( 15 Technical & 6 Non Technical and 24 Contract labours)
- 16.Working Hours : Office : 9:00 am to 6:00 pm  
Factory: 3 shifts (24 hours)  
Office / Factory: Sundays Holidays
- 17.Casting Weight : Up to 150 Kgs single piece weight for Pressure containing Parts.  
Up to 200 Kgs single piece weight for Non Pressure containing Parts.
- 18.Casting Size : Up to 1200 (L) X 1200 (B) X 300 (H) mm
- 19.Supply condition : As cast (rough casting) / Proof Machined / Finish Machined
- 20.Production capacity : 50 Tons per month

21. Industries catering to : Valves, Pumps, Construction, OEMs, Chemical, Automotive & General Engineering
22. Customer countries : Sweden, USA, UK, Spain, Australia & India
23. Scope of activity : Manufacture and supply of Machined and Unmachined Carbon Steel, Alloy Steel, Stainless Steel and Duplex Stainless Steel Castings.

**RRK Alloys Infrastructure facilities:**

**Office premises:**

- 1120 Sq Ft office with all necessary communication facilities like Wi fi, Internet, Scanner, Xerox, Fax and Phones.
- Full fledged office with 24 Hrs online ERP System for the departments marketing, sales (commercial), purchase, production, quality, and logistics.

**Factory premises:**

- Company owned land area: 40670 Sq Ft.
- Building covered area: 8304 Sq Ft.
- Scope for further expansion: 50%

**Pattern Shop facility:**

- CAD/ CAM facility for Method Drawing.
- Prototype file with all development trial data's for each and every Individual items.
- Complete facility for teak wood and aluminum pattern making, mounting and repairing and Storage.

**Moulding facility:**

- Hand Moulding CO2 Process Sand Casting.
- CO2 Process cores, Shell cores, Airset (No Bake) cores and oil cores.
- 150 Kg Sand Mixer. 5 HP Reciprocating Compressors.
- The moulding department is supported by 3 Ton overhead hoists to handle the closing and shifting of moulding boxes.

### **Melting Facility:**

1. 125 KW Medium Frequency Induction Furnace with 250 Kg double crucible.
2. 2 Nos 350 Kg Tea pot ladles.
3. 2 Nos 100 Kg Hand Shanks.
4. Ladle pre heating arrangements
5. Pyrometer for Molten metal Temperature measurements.
6. Dust collector facility for environmental protection.

### **Fettling facility:**

1. 3000 Kg Bogie hearth Electric Heatreatment Furnace.
2. 600 Kgs capacity hook type shot blasting machine.
3. 2 Nos Swing Frame Grinding Machines.
4. 7 Nos Rotto Fettle and 2 Nos Rotto fas Grinding Machines.
5. 400 Amps & 600 Amps Welding Rectifier with air arc gouging and pre heating arrangements.
6. Acid pickling and passivation facilities.

### **Laboratory & Testing facilities:**

1. Spectrometer: ARL (Swiss) make, 18 elements analyzing capacity.
2. UTM: 40 Tons capacity Krystal make Computerized Universal Testing Machine with Extensometer attachment for Tensile strength, Yield strength and Elongation.
3. Impact: 300 Jules Krystal make Impact Testing machine upto minus 196°C testing by Liquid Nitrogen.
4. Hardness tester: 3000 Kgs Krystal make Brinell Hardness Testing machine.
5. Sand testing: Sieve sekar and Mould hardness testing equipments.

Test Certificates: RRK Alloys provides the following certificates to the customer for every heat / batch supply.

- EN 10204 Type 3.1 Test Certificate
- EN 10204 Type 3.2 Test Certificate

### **Casting Inspection facilities:**

1. Granite Surface Table Size 1200 x 900 x 200 mm..
2. 300 mm & 600 mm Height Gauge. 300 mm & 600 mm Vernier Caliper with all measuring equipments.
3. 0-99mm Pistel Caliper and Ultrasonic LCD Wall thickness gauge.
4. 2000 Amps Magnetic Particle Testing Equipment.
5. Dye Penetrant Testing facility.
6. Radiography and Ultrasonic testing are outsourced at approved service providers.
7. RT, UT, MT, PT & VT evaluations are carried out by ASNT Level II qualified RRK Alloys NDT personnel.

### **Quality Certification:**

ISO 9001 Certification from TUV Nord Systems GmbH.

W0 / AD 2000 Certification from TUV Nord Systems GmbH.

PED Certification from TUV Nord Systems GmbH

### **Power System:**

1. Powerica make Genset 250 KVA & 20 KVA capacity power back up.

### **Traceability:**

The Quality Team supervises the Q.A / Q.C aspects along the entire process system by identifying and associating with Quality Circles. RRK Alloys ensures 100% tractability throughout the organization by Heat Number.

### **Environmental protection:**

As an environmentally responsible company, RRK Alloys complies with the environmental regulations advocated by the Government. As a result we have been provided with necessary the Pollution Clearance Certificate.

**RRK Alloys Strengths include:**

20 years similar business Experience.

Global Customer Base.

Personnel familiar with Customer Requirements.

Enhanced Quality Department Staffed by degreed /experienced Quality Engineers.

In-depth CAD CAM Methods Department.

Experienced, qualified Production Personnel.

Advanced Computerized Lab &Testing Facilities.

**CUSTOMER OBLIGATION**



Our customers are the foundation of our business. We are obligated to understand our customer's requirements and improve our casting quality to exceed their expectations. We take our customers into consideration in everything we do.

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