



Radiant Technocast Pvt. Ltd.  
Mfg. : S. G. Iron Casting



## INTRODUCTION

- Incorporated in the year 2005, we are serving our customers with high quality standards meeting their requirements. Customer satisfaction is our utmost priority and we thrive to achieve that.
- **Radiant Technocast Pvt. Ltd.** is a versatile manufacturer, capable of producing precision castings in the field of S.G. Iron Castings. With a mission to deliver quality casting products to our customers our team is constantly researching to compete in the industry to provide the best possible products.
- The company seeks to scale the height of excellence by recognizing that while honesty and integrity are the essential ingredients of a strong and stable enterprise, profitability provides the main spark for economic activity.





## INFRASTRUCTURE

- Our competent infrastructural support manufactures designs and fabricates using both green sand and shell moulding techniques. **Radiant Technocast Pvt. Ltd.** is capable of manufacturing all critical components with the help of our experienced staff.
- **Radiant Technocast Pvt. Ltd.** has a team of trained and dedicated personnel and enjoy the challenge offered by the innovative needs of our customers. We are always available in selecting the right ways of manufacturing a product so that it stands out in the competitive market with lowest machining cost and best casting finish.

## OUR PLANT

- **Radiant Technocast Pvt. Ltd.** is capable and equipped with all kind of manufacturing facilites to produce high end products under one roof. Our production unit consists of ful in house production with testing facilities to ensure predictive quality of each products.





## SERVICE

- The company is managed by dynamic and highly technically qualified team with more than 15 years of core experience in the field. We consider ourselves fortunate to have a unique staff that is always supportive and creative. Any assistance needed ranging from a simple tolerance review to the final design we are always ready at the service of our valuable customers.
- Flexibility is an important aspect of any foundry and we consider all inquiries as a future business proposal. Right from precision parts to industrial parts, hydraulic valves, pump valves and recreational products we are always ready at customer disposal. **Radiant Technocast Pvt. Ltd.** provides service to all segments and sectors and caters to numerous client requirements.

## QUALITY

- Quality and customer satisfaction drives everything we do at **Radiant Technocast Pvt. Ltd.** Our order acceptance to delivery is a smooth process with minimal time to enhance the supply chain.
- At **Radiant Technocast Pvt. Ltd.** we believe in providing our esteemed customer with quality and reliable services. For the same, all components are thoroughly inspected right from the raw materials to final casting and are with appropriate chemical and physical inspections.





## PRODUCTS

- If you are looking for an excellent casting material for your business, utility, or industry, then we proudly introduce ourselves as the manufacturers of the same that serve in all kinds of applications and industries. The right raw materials, The correct process, Consistent results no matter what the application, **Radiant Technocast Pvt. Ltd.** believes in producing the products to suit customer's need.

## INDUSTRIES WE SERVE IN

- |                          |                              |
|--------------------------|------------------------------|
| ■ Valve Industries       | ■ Glass Industries           |
| ■ Automobile Industries  | ■ General Engineering        |
| ■ Agriculture Industries | ■ Textile Industries         |
| ■ Bearing Industries     | ■ Heavy Machinery Industries |





## PROCESS

### 1. Tool Making

The first step is to make a pattern/die after identifying the selected process of the component. Patterns are made in aluminium and if the selected component is in shell moulding, the material used is ductile iron. Shrinkage allowance is added along with machining and a proper gating system is designed.

### 2. Making Moulds

Now we start making moulds. Silica sand is used for green sand and resin coated sand is used for making shell moulding moulds. Necessary cores are also manufactured and set into the moulds.

### 3. Setting the moulds

Moulds manufactured are then set into the pouring area after final inspection.

### 4. Pouring of molten metal

After the charge is ready, the molten metal is finally checked for the desired composition. Now that the metal is ready, it is treated with magnesium alloy and is poured into the moulds within the desired time limit.

### 5. Knock Out

Once the moulds are cooled, the sand is knocked out and castings are separated from the gating system and sent for shot blasting.

### 6. Fettling and finishing

The casting are then fettled, deburred and offered for the final quality checks.

### 7. Final Quality Checks

The casting are then subjected to various quality checks like chemical testing, physical properties, dimensional checking and then transported.



ZERTIFIKAT ♦ CERTIFICATE ♦ CERTIFICADO ♦ CERTIFICAT



## CERTIFICATE

The Notified Body - 0036 -  
of TÜV SÜD Industrie Service GmbH

certifies that

**Radiant Technocast Pvt. Ltd.**  
Survey No. 166, Plot 7 & 8, Shantidham Road,  
Veraval Shapur, Taluka-Kotda Sangani,  
Rajkot - 364001, Gujarat, India

has implemented, operates and maintains a

Quality Assurance System in accordance with the  
Pressure Equipment Directive 2014/68/EU, Annex I, Section 4.3,  
AD 2000-Merkblatt W 0 as well as EN 764-5, Para. 4.2

as a material manufacturer for the scope of

spheroidal graphite cast iron.

The scope of the approval is described in the annex to this certificate.  
Further details are mentioned in report no. 4153414035.

The manufacturer is therefore authorized to issue certificates of specific product control within the  
scope of the assessed quality system and in accordance with the Pressure Equipment Directive  
2014/68/EU. Possible additional requirements - specific to applied technical specifications to  
meet PED Annex I - are not affected.

This certificate is valid through March 2023.

In order to adhere the validity an annual surveillance audit is required.

Certificate No.: DGR-0036-QS-W 931/2020/MUC-001  
Munich, April 22<sup>nd</sup>, 2020

Notified Body, No. 0036



*(M. Strobel)*

Certification Body  
Material and Welding Technology

TÜV SÜD Industrie Service GmbH, Westendstr. 199, 80686 Munich, Germany



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## CERTIFICATE

The Certification Body  
of TÜV SÜD South Asia Private Limited

certifies that



**Radiant Technocast Pvt. Ltd**  
S.R. No. 166, Plot No. 7 & 8, Shantidham Road,  
VERAVAL Shapur, Taluka - Kotada Sangani,  
Dist. Rajkot - 360 024, Gujarat, INDIA

has implemented a Quality Management System

in accordance with ISO 9001:2015

For Scope of

Manufacture and Supply of C.I. and S.G. Iron Casting

The certificate is valid From 2020-03-18 until 2023-03-17

Subject to successful completion of annual periodic audits

The present status of this Certificate can be obtained on [www.tuv.sud.in](http://www.tuv.sud.in)  
Further clarifications regarding the scope of this certificate may be obtained by consulting the certification body

Certificate Registration No. 99 100 20809

Date of Initial certification : 2020-03-18

*(Signature)*

Certification Body  
of TÜV SÜD South Asia Private Limited, Mumbai  
Member of TÜV SÜD Group



TÜV SÜD South Asia Pvt. Ltd. TÜV SÜD House Saki Naka Andheri (East) Mumbai-400026 Maharashtra India



**Radiant Technocast Pvt. Ltd.**

### Reg. Office/Works :

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