



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 facilities to produce high end products under one roof. Our production unit consists of full 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.



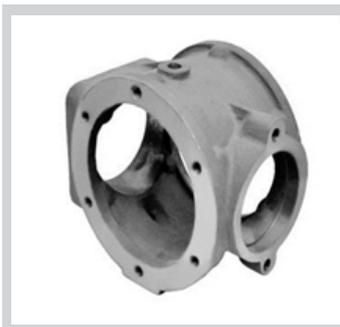


PRODUCTS

- 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
- Automobile Industries
- Agriculture Industries
- Bearing Industries
- Glass Industries
- General Engineering
- Textile 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.

