BURN BRIGHT, SPARK BOLD.
FIRE TO SHINE

GREY CAST IRON AND DUCTILE IRON CASTING

[Semi High Pressure Moulding Line
And Shell Moulding]

RAIMAC
TECHNOCAST

We Extend [PRECISION BEYOND] Boundaries

ABOUT RAIMAC

A leading force in the **iron casting industry**, dedicated to delivering **high-quality Grey Iron and Ductile Iron Castings**. With commitment to precision, innovation, and reliability, we take pride in offering a range of casting solutions tailored to meet the diverse needs of our clients.

Our product offerings include castings available in their raw form, fully machined condition, and even as sub-assemblies. **Committed to delivering excellence**, we take pride in serving as a trusted partner for OEMs worldwide, providing them with **top-quality iron castings** tailored to their **precise specifications**.

HISTORY OF THE COMPANY

Established in 1965, RAIMAC has been a key player in the iron casting industry for over **60 years. With a rich legacy dating back decades**, it brings unparalleled expertise to every project undertaken. Guided by the visionary leadership of the entrepreneurial family, now in **our 4th generation, RAIMAC is synonymous with excellence in the foundry sector**.

Our enduring commitment to quality and precision is reflected in the skilled and dedicated workforce that forms the backbone of our operations. Together, we continue to build on our legacy.

60 YEARS SINCE 1965

Why Choose Raimac?

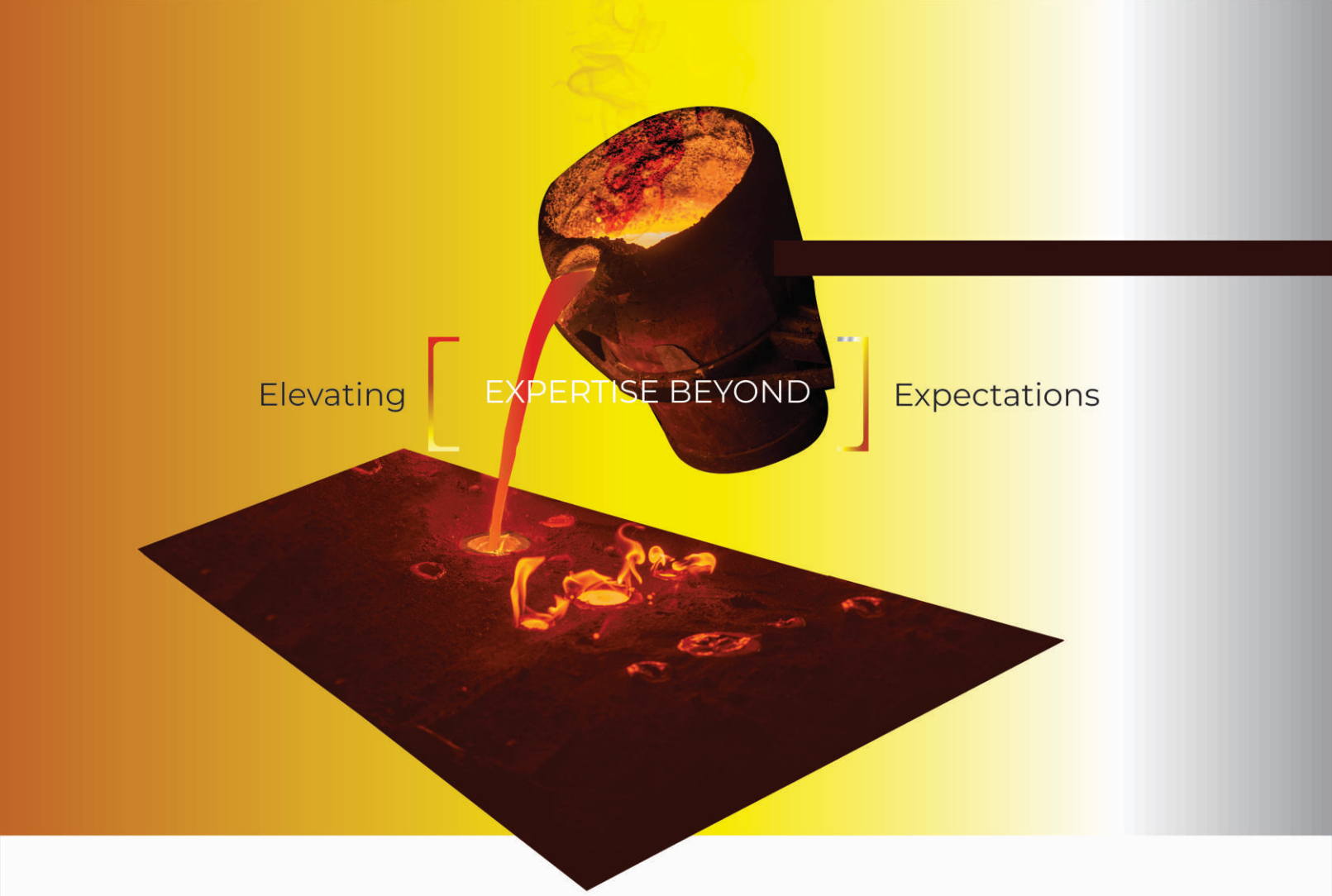
FLEXIBILITY IN VOLUMES

FAST NEW PRODUCT DEVELOPMENT

EXPERIENCE AND PROFICIENCY

Certificates

ISO 9001 ISO 14001 ISO 45001



MANUFACTURING FACILITY

SEMI-HIGH PRESSURE MOULDING LINE

Material
All Grades of Grey Cast Iron
All Grades of SG Iron (Ductile Iron)

Casting Range

Weight	Max Component Size
0.5Kg to 95 Kgs	650x550x400 mm

Mould Capacity	Annual Capacity
60 Moulds Per Hour	2040 Metric Ton

SHELL MOULD & SHELL CORE CASTING

Material
All Grades of Grey Cast Iron
All Grades of SG Iron (Ductile Iron)

Casting Range

Weight	Max Component Size
0.15Kg to 55 Kgs	550x550x400 mm

Mould Capacity	Annual Capacity
30 Moulds Per Hour	2160 Metric Ton

MOULDING

1. SEMI-HIGH PRESSURE MOLDING LINE

- Automatic Sand Plant **20 MT per Hour.**
- Online sand testing by **RTC unit**.
- Mould Rate **60 Moulds per hour**.
- Box Size **750 x 650 x 250 / 250 mm**.

2. SHELL MOULDING

- **SUSHA Make** – 600 X 600 X 300mm with up to 55kg mould capacity – 14 Nos.
- **CFM Make** – 600 x 600 x 500mm with up to 60kg mould capacity

CORE SHOP

PLC Control Hot Box
SUSHA Make – 600 X 600 X 300mm with up to 40kg shell core shooter capacity – **10 Nos**.

PLC Control Cold Box
CFM Make – 600 x 600 x 300mm with up to 50kg cold core shooter capacity – **1 Nos**.

FOUNDRY SHOP

FURNACE DETAILS
Capacity : Equipped 450 KW Medium Frequency induction melting Furnace

Make : Inducto – Therm India Ltd.
Crucible : 500 Kg- 2 Nos

IN-HOUSE MACHINING FACILITY

With a range of peripheral machines and equipment, we provide comprehensive machining solutions for cylinder heads and similar precision-machined components.

1. **CNC** Turning Centres
2. **Vertical Machining** Centres
3. **CNC VTL** Machine
4. **HMC** Machine
5. Special Purpose Machine **(SPM)**
6. **Milling** Machine
7. **Broaching** Machine
8. **Pressure** Testing Or Leak Testing Machine

QUALITY CHECK FACILITY

CMM- Carl Zeiss

Range of Vernier Calipers

Range of Micrometers

Surface Plate

Trimos Make Digital Vertical Height Gauge

Blue Light scanning inspection report Die & Pattern on request

INFRASTRUCTURE

With a robust plant capacity of 4200 tons per annum, our manufacturing facility spans an expansive area of 31850 square feet, meticulously designed for optimal efficiency. Our production capabilities cover a weight range from 0.300 kg to 95 kg, with a size range of 750 x 650 x 500 mm. We specialize in delivering castings in machined condition and assembly, catering to diverse client needs.

Plant Capacity
4200 Tons Per Annum

Plant Area
31850 Sq.Ft

Weight Range
0.300Kg. To 95 Kg.

Size Range
750X650X 500 mm.

Supply Condition
Machined Condition & Sub-Assembly

Value Addition Services

Machining

Precision machining services that ensure the exact specifications and tolerances required for superior performance.

Sub-Assemblies

Seamlessly integrate our castings into your larger assemblies, providing a one-stop solution for your manufacturing needs.

Laser Marking

Implementing state-of-the-art laser marking technology to provide clear and permanent identification on our products for traceability and quality control.

Zinc & CED Coating

Enhance durability and corrosion resistance with our Zinc and Cathodic Electrode position (CED) coating services.

Leakage Testing

Rigorous testing procedures to guarantee the integrity of our castings, ensuring they meet the highest standards of quality and reliability.

Building [INNOVATION BEYOND] Structures

QUALITY ASSURANCE

Quality is at the core of everything we do. RAIMAC is committed to adhering to the highest quality standards. Our processes are meticulously designed to ensure the durability, consistency, and reliability of every casting that leaves our facility. We conceit in being a trusted partner for clients who demand excellence.

Our commitment to quality is unwavering, supported by robust quality control measures throughout our manufacturing process. Our state-of-the-art facilities include:

RADIATION TESTING FOR ALL MELTING SCRAP

Using Radiation meter to verify the scrap and produce the final product free from radioactive contamination.

SAND TESTING FOR RESIN COATED SAND (SHELL)

- Sand AFS Testing
- Hot Tensile Strength
- Core Gas Determinate
- Gas Evolution
- Stick Point
- Peel Back Tester
- Scratch Mold Hardness

SAND TESTING FOR GREEN SAND

- Sieve Analyser
- Tensile Strength
- Permeability Testing
- Compatibility Testing
- Moisture Testing
- Clay Testing
- Sand Waser
- Rapid Dryer
- Hot Plate

CHEMICAL ANALYSIS

- In house spectrometer with 16 channels.
- All heats of Grey Cast Iron & Ductile Iron poured and tested on-line on Spectrometer.
- All the scrap used is also tested before using it.
- Specimens are stored for a particular period.
- Analysis of carbon equivalent (%CE), Carbon (%C), Silicon (%Si) in iron melts Using CE Meter

PHYSICAL TESTING

In-house Universal Testing Machine for accurate mechanical property assessments.

In-house Hardness Testing Machine to ensure optimal hardness levels.

In-house Metallurgical Microscope for detailed microstructure analysis.

MICRO STRUCTURE

Micro scope with image analyser.

BORESCOPE FOR INTERNAL SURFACE INSPECTION

Use of borescope for visual inspection of internal surface where direct visual inspection is not possible.

MILLIPORE TESTING EQUIPMENT

Since Millipore testing may be employed using gravimetric or particle size and distribution as criteria for cleanliness the procedures and methodology to verify test results may vary.

PRODUCT PORTFOLIO

Our product range is designed to meet the diverse needs of Global **Original Equipment Manufacturers (OEMs)** across various industries, including **Pumps, Valves, Automotive, Hydraulic components, Diesel Engines, Agricultural-Tractor, Textile, Compressors, and General Engineering**.

At our foundry, we excel in the production of highly intricate **Grey Iron (Grades FG200 to Fg350) and Ductile Iron (Grades 500-7, 400-15, 600-3) castings**, featuring multiple cores, low wall thickness (2-3 mm), and pressure tightness up to 3000 psi.

In our machining division, we leverage **cutting-edge machinery** to consistently deliver world-class components with the tightest tolerances. Operating in accordance with strict international standards, our quality systems are accredited with **ISO-9001:2015, 14001:2015, and 45001:2018 certifications**, ensuring that our products meet the highest levels of quality and reliability.

We Cater To

PUMPS
VALVES
AUTOMOTIVE
HYDRAULIC COMPONENTS
DIESEL ENGINES
AGRICULTURAL-TRACTOR
TEXTILE
COMPRESSORS
GENERAL ENGINEERING

VALVE

Creating EXCELLENCE BEYOND Imagination

PUMP COMPONENTS

CYLINDER HEAD & TRACTOR COMPONENT


















HYDRAULIC





TECHNOLOGY AND INNOVATION

Our facility is equipped with a comprehensive range of advanced machinery tailored for precision manufacturing. Innovation is a cornerstone of our manufacturing ethos. Our dedicated research and development wing is committed to staying ahead of industry trends, implementing new technologies, and optimizing processes for enhanced efficiency.

CLIENTELE AND PARTNERSHIPS

While we serve clients on a global scale, we remain firmly rooted in our commitment to local communities. RAIMAC values relationships, and our customer-centric approach has been the cornerstone of our success.

ENVIRONMENTAL SUSTAINABILITY EFFORTS

As responsible corporate citizens, we are dedicated to environmentally sustainable practices. **RAIMAC continuously invests in eco-friendly initiatives to minimize our environmental footprint**, **waste reduction measures, and energy-efficient systems** to align with sustainable manufacturing principles contributing to a greener and healthier future.

Embracing a **commitment to a green environment**, we have implemented a **Rainwater Harvesting System** with a capacity to cater to 5,000 liters per hour. Additionally, our efforts extend to producing **green energy through our Solar Plant** – I, boasting a capacity of 313 KW, and Solar Plant – II, with an impressive capacity of 1 MW. These initiatives underscore our dedication to eco-friendly practices and reducing our carbon footprint.

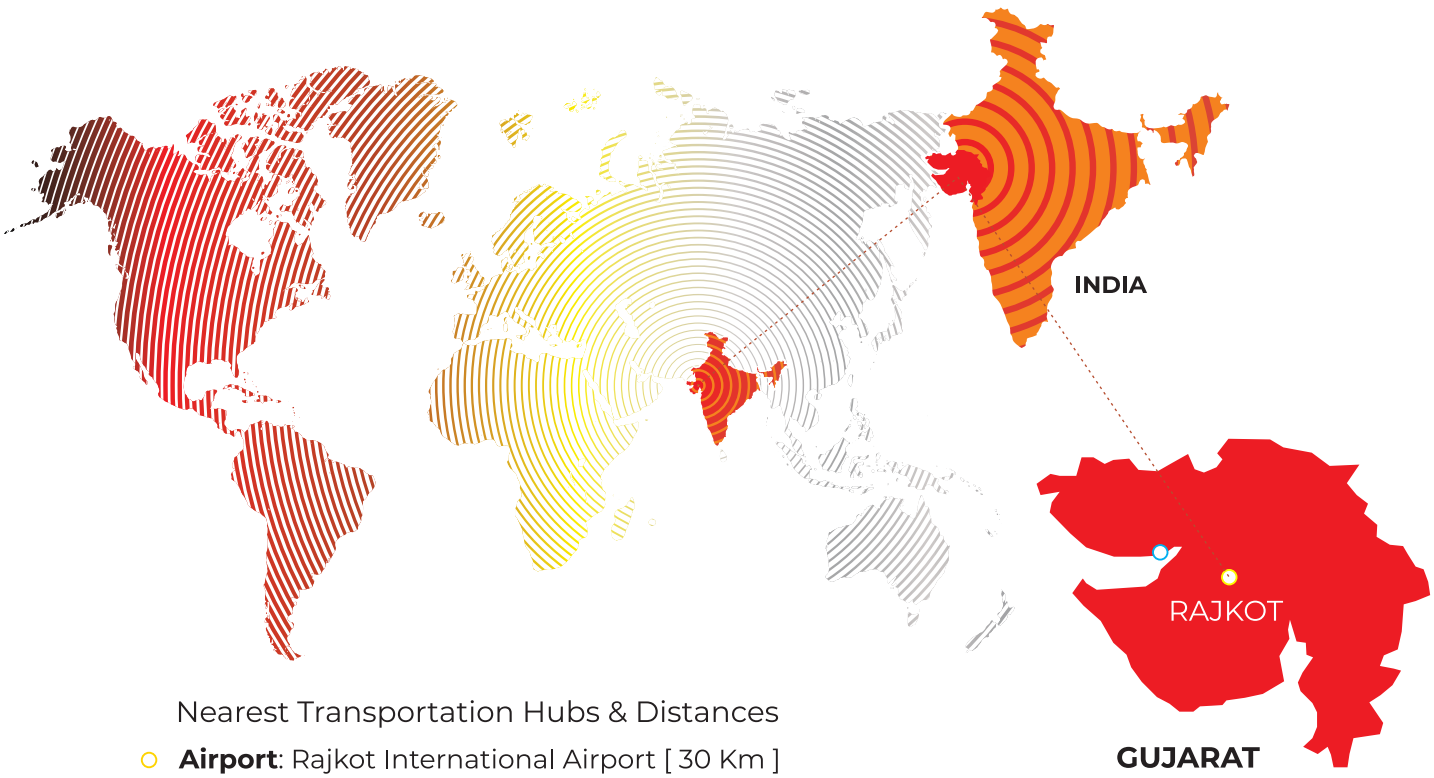
Embracing [RESPONSIBILITY BEYOND] Business

GREEN ENVIRONMENT

GREEN ENERGY SOLAR PLANT

RAIN HARVESTING SYSTEM

Exploring [OPPORTUNITY BEYOND] Geography.



Nearest Transportation Hubs & Distances

- **Airport**: Rajkot International Airport [30 Km]
- **Port**: Mundra Port, Kutch [200 Km]

CONTACT US

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