

# SAGAR



An ISO 9001:2015 Company

Manufacturer's Of All Types Of  
C.I Casting & S.G Iron Casting



# Location

Sagar Estate, Survey No.  
38/P, At. Ravki Village, Tal:  
Lodhika, Dist: Rajkot  
Gujarat, India

Pin code : 360005



Domestic Airport Rajkot -10 Km  
International Airport Ahmedabad – 245 Km



Mundra Sea Port – 280 Km  
Kandla Sea Port – 260Km  
Nhava Sheva(Mumbai) sea port – 759 Km



# About Us

- We are pioneer manufacturers in the field of C.I Casting & S.G Iron Casting.
- We have a successful track record in the field since the year 1975
- As the years pass by and the remarkable growth tends the company to new levels of success
- The key to success of the firm is tremendous efforts, hard work and the belief in quality by all the people associated with the company and our well-wishers.
- We are an ISO 9001:2015 certified company.



# Our Strength's

- Equipped with latest full automated plant & a capacity to produce **2500MT** annually.
- The facility is spread over **25000** sq m with built up area **12500** sq m.
- We offer a wide range of grey iron casting from **10kg to 50kg** and SG iron casting from **10kg to 50kg** of a single piece.
- With a facility of in house testing of sand and other parameters through our highly efficient lab equipment's.
- Fast Development of new products & competitive global pricing structure.
- Quality assurance system and customer's need based servicing

## Casting Material Grades

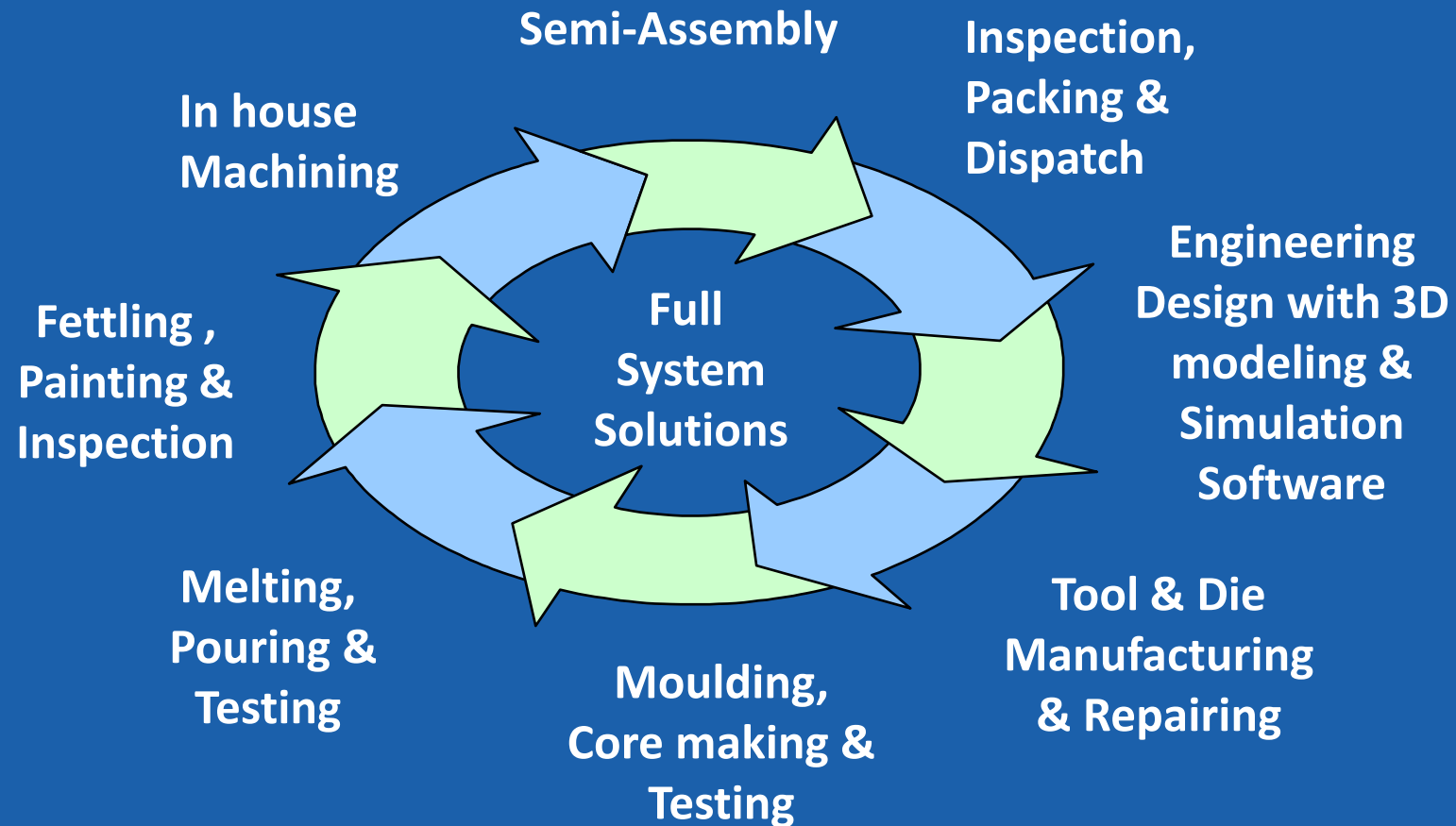
### Grey Iron Casting

DIN-EN-1561	ASTM-A 48
EN-GJL-100	ASTM A 48 CLASS 20
EN-GJL-150	ASTM A 48 CLASS 25
EN-GJL-200	ASTM A 48 CLASS 30
EN-GJL-250	ASTM A 48 CLASS 35
EN-GJL-300	ASTM A 48 CLASS 40
EN-GJL-350	ASTM A 48 CLASS 45
	ASTM A 48 CLASS 50
	ASTM A 48 CLASS 55

### SG Iron Casting

DIN-EN-1561	ASTM-A 536
EN-GJS-350-22	ASTM A 536 GRADE 60-40-18
EN-GJS-400-18LT	ASTM A 536 GRADE 60-42-10
EN-GJS-400-15	ASTM A 536 GRADE 60-45-12
EN-GJS-450-10	ASTM A 536 GRADE 70-50-05
EN-GJS-500-07	ASTM A 536 GRADE 80-55-06
EN-GJS-600-03	ASTM A 536 GRADE 80-60-03
EN-GJS-700-02	ASTM A 536 GRADE 100-70-03
EN-GJS-800-02	ASTM A 536 GRADE 120-90-0

# CASTING PROCESS



# EQUIPMENTS AND TECHNOLOGY

## Induction furnace

- Induction melting furnace with auto PDML system & IGBT base with mobile app monitoring
- 300kg(450KW) & 500kg(450KW)
- Company(Plasma Induction)



# EQUIPMENTS AND TECHNOLOGY

## Molding Machine

- Fully Automatic ARPA 450- Stimulated Jolt Squeeze Molding Machine
- Box size : 600\*700\*500 mm
- Company(L.S Engineering)





# EQUIPMENTS AND TECHNOLOGY

## **Sand plant**

- Fully mechanized automatic sand plant & automatic mold handling line
- Complete Automation for sand Additives & Homogeneous Sand Mixing Process for better casting
- Company(Castomech Technology LLP)





# EQUIPMENTS AND TECHNOLOGY

## CORE MAKING MACHINE

- Cold box core making facility ranging from 250 gm – 50 Kg core. Total of 3 machines.
- Company (CFM engineers)



## SHOT BLASTING MACHINE

- Inhouse Shot blasting facility consisting of 2 machines – Hanger type(500 Kg) and Tumbler.
- Company(Patel shot blasting)



# EQUIPMENTS AND TECHNOLOGY

## GRINDING AND FETTLING

- In House Grinding, Fettling & Painting Service



## THERMAL ANALYSIS SYSTEM

CE Meter With Real Time Software is a Advance Thermal Analysis System

Company(Suyash solutions)



# EQUIPMENTS AND TECHNOLOGY

## **SPECTROMETER**

- SPECTROCHECK- 20 ELEMENTS
- COMPANY (SPECTRO)



## **GREEN SAND TESTING**

- In house testing facility for molding sand and core sand.
- Company (Versatile Equipment's pvt ltd)





# EQUIPMENTS AND TECHNOLOGY

## HARDNESS TESTING MACHINE

- AKB 3000
- COMPANY(FINE GROUP EQUIPMENT)



## UNIVERSAL TESTING MACHINE

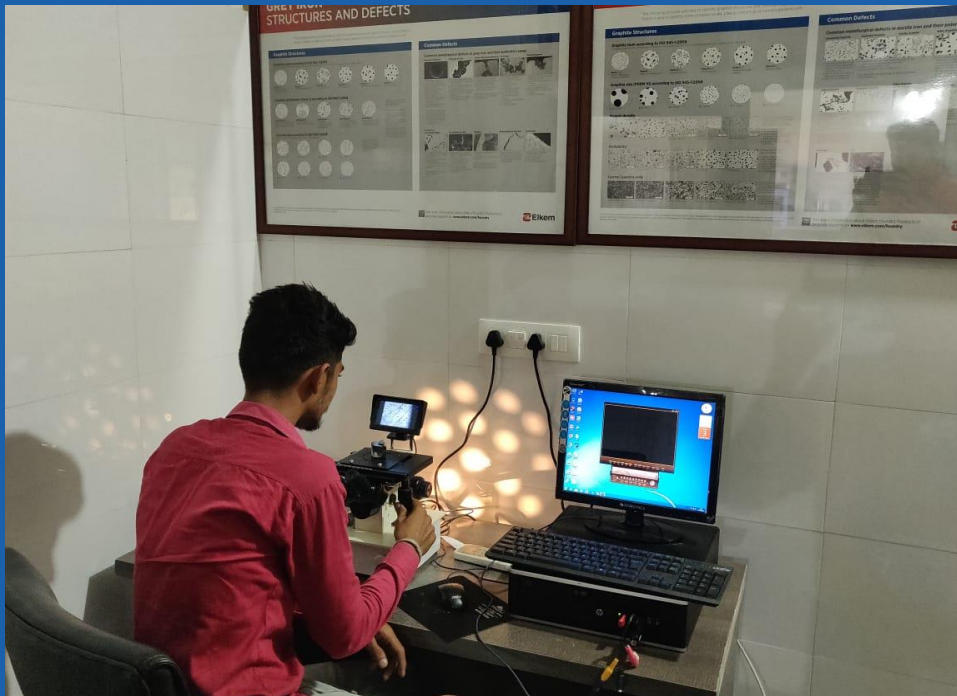
- TUE-C-400
- COMPANY(FINE GROUP EQUIPMENT)



# EQUIPMENTS AND TECHNOLOGY

## MICRO-STRUCTURE ANALYSIS

- MICROSCOPE WITH SOFTWARE ANALYSIS



## Q.C LAB

- COMPLETE LAY OUT INSPECTION OF CASTINGS



# Machining

## IN-HOUSE MACHINING FACILITY

Machine	Make	Model	Table Size	Travel	ATC
HMC	Hüller Hille	NBH 5	500*500	ø700*1000	<b>140</b>
VMC	Jyoti	RX20	1000*530	850*500	<b>24</b>
Turning Centre	Jyoti	DX200	ø200 Chuck	500	-





# CERTIFICATIONS

## ISO 9001:2015 (TUV RHEINLAND)

**Certificate**

Standard **ISO 9001:2015**

Certificate Registr. No. **85 100 001 20062**

Certificate Holder: **Sagar Foundry Pvt. Ltd.**  
**Survey No. 38/P, Mavdi Lodhika Bye Pass Road,**  
**At. Ravki Village, Tal. Lodhika,**  
**Dist. Rajkot – 360 004. Gujarat, India.**

Scope: **Manufacturing of CI and SG Castings**

Proof has been furnished by means of an audit that the requirements of ISO 9001:2015 are met.

The due date for all future audits is (28.10).

Validity: The certificate is valid from **2021-01-07** until **2024-01-06**.

Bangalore, 2021-01-07

The Certification Body of  
TUV Rheinland (India) Pvt. Ltd.  
27/B, 2<sup>nd</sup> Cross Road,  
Electronic City Phase 1,  
Bengaluru - 560 100, India.  
CIN: U72501KA1999PTC029853

www.tuv.com

ISO 9001:2015 IAF 8101, 8102 and 8103 are registered trademarks of TUV Rheinland and its subsidiaries. No other company is authorized to use these marks.


## Quality Policy

**SAGAR FOUNDRY PVT. LTD.**

**QUALITY POLICY**

- ❖ Sagar Foundry Pvt. Ltd. is manufacturing and supply of S.G. & C.I. Casting.
- ❖ We are fully support continual up gradation of our systems, processes and technology to enhance the quality of our products and services.
- ❖ We are maintain our market position through continual improvement of Quality management system, process technology and employee competence.
- ❖ We are ensuring to supply complaint free products to achieve maximum customer satisfaction through continuous improvement and enhance values to customers business.

**SAGAR FOUNDRY PVT. LTD.**

Director 

QM 07 00 / 01.06.20

# INDUSTRIES SERVED

- We are suppliers to major OEM's directly & indirectly to the following Industries:

- |                         |                            |                         |
|-------------------------|----------------------------|-------------------------|
| 1. Hydraulic Industry   | 4. Earthmoving Industry    | 7. Civil & Construction |
| 2. Automotive Industry  | 5. Electric motor Industry |                         |
| 3. Agriculture Industry | 6. Pump Industry           |                         |

Our expertise is into Housings, Gear box, Transmission, Valves, Pumps & Electric motor parts.

# OUR PRODUCTS



**Wheel Hub**



**Control Valve**



**Hydraulic Valve Chamber**



**Frac hose fittings**



**Rockshaft Housing**



**Rockshaft Housing**



**Case Rear Transmission**



**Anchor Cone**



**Rotavator Gear Box**



**Swivel Housing**



**End Shield Cover**



**Clutch Plate**



# SITE OVERVIEW



**Bird Eye View**



**Foundry Shade**



# SITE OVERVIEW



Foundry Shade



Pouring line



# SITE OVERVIEW



**Shot blasting & Fettling**



**FG Storage**



# SITE OVERVIEW



**Machine Shop**



**Machining**



# SITE OVERVIEW



**Machining**



**Inspection**



# SITE OVERVIEW



**Dispatch & Forwarding**

# CONTACT US



SAGAR FOUNDRY PVT LTD



"Sagar Estate", Survey No. 38/P, At. Ravki Village, Tal: Lodhika, Dist: Rajkot  
Gujarat, India  
Pin code : 360005



[info@sagarfoundry.com](mailto:info@sagarfoundry.com)



[www.sagarfoundry.com](http://www.sagarfoundry.com)



MR. RAMESH UNDHAD  
Mo : +91- 9825108676  
MR. PRIYEN UNDHAD  
Mo : +91 9909008807