



**IMPULSE**



# **COMPANY PROFILE**

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 [www.impulsetechnocast.in](http://www.impulsetechnocast.in)

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## ABOUT US

Established in 1991 at Rajkot, (Gujarat, India), as "Radhika Industries" has been engaged in manufacturing, supplying Cast Iron Machinery Spare Castings, Casting of Centrifugal Pumps, Self Priming, Monoblock & Regenerative Pumps, Submersible Pumps, Motor Body Casting, Valve Casting, other Grey Iron Casting.

The company has set up new foundry unit at Vavdi, Rajkot, Gujarat (India) in 2010 as name of the Impulse Technocast. Total production capacity of our group plant is 8,400 MT per annum.

We are having production facilities in more than 1,00,000 sq.ft with three different units.



We are a business group involved in manufacture and supply of Gray Iron & Ductile Iron Castings for high quality engineering goods in general, pump segment, electric motor components and valves. We have been working with the big brands in engineering industry and are proud to associate with Silver Electricals Pvt Ltd, Havells, Roto Pump, Texspin Bearings, Mita India Pvt Ltd etc.





## DELIVERING FAST PRODUCTION

COMPLETING TIGHT PRODUCTION DEADLINES WITH RELIABLE MACHINERY



### ACCURATE LAB TESTING

Inhouse laboratory with specific sand properties and metal composition testing equipment



### SPOT ON SKILLED INSPECTION

Casting inspection methods are in place to ensure any hidden defects are identified during manufacturing process



### PRECISE DIMENSION & SURFACE FINISH

Using the finest sand to reduce any breakdown in sand mold which can lead to roughness



## CASTING PRODUCTS

### GREY IRON

Flake graphite provides gray iron with unique properties (such as excellent machinability) at hardness levels that produce superior wear-resistant characteristics, the ability to resist galling and excellent vibration damping.



### DUCTILE IRON

Our foundry produces a variety of cast graphitic irons possessing high strength, resistance to shock and ductility. Ductile iron castings resist fracture even when being bent, twisted or deformed. Its strength, toughness and ductility greatly exceed that of standard grey irons and its properties are very similar to many grades of steel.



## PRODUCT RANGE



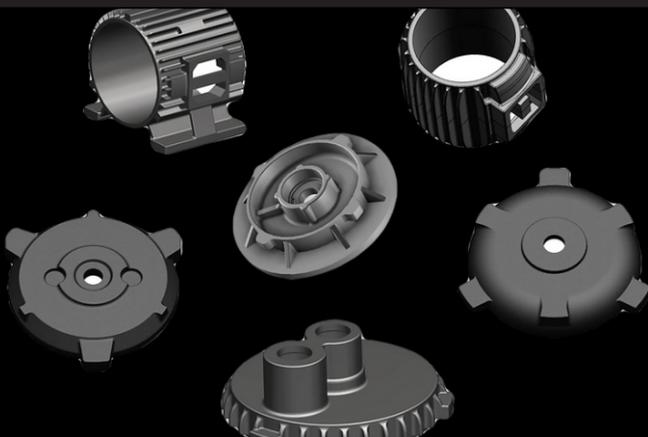
### VALVES

A valve is a device or natural object that regulates, directs or controls the flow of a fluid (gases, liquids, fluidized solids, or slurries) by opening, closing, or partially obstructing various passageways. Valves are technically fittings, but are usually discussed as a separate category.



### ELECTRIC MOTOR

An electric motor is an electrical machine that converts electrical energy into mechanical energy. Most electric motors operate through the interaction between the motor's magnetic field and electric current in a wire winding to generate force in the form of torque applied on the motor's shaft.



### GENERAL ENGINEERING

Engineering is the use of scientific principles to design and build machines, structures, and other items, including bridges, tunnels, roads, vehicles, and buildings. The discipline of engineering encompasses a broad range of more specialized specialized field engineering



### PUMPS

A Pump is a mechanical device that uses to transfer different fluids from one location to another. It is a hydraulic device that lifts fluids from low to high levels, and moves fluids from low to high-pressure areas.

# SERVING TO VARIOUS INDUSTRIES

Dedication. Expertise. Passion.



**PUMP  
INDUSTRIES**



**VALVE  
INDUSTRIES**



**ELECTRIC  
MOTORS**



**GENERAL  
ENGINEERING**



**MACHINE  
TOOLS**



**DIESEL  
ENGINE**

## OUR INFRASTRUCTURE

### Foundry



### MOULDING DIVISION

Fully Automated 2 Station Horizontal Parted  
Flaskless Moulding Machine

MAKE - Koyo [Japan]  
MODEL - SMS 6050 RT III  
MOLD SIZE - 500 X 600 X 160~200  
MOLD SPEED - 150 molds/hr [with core]  
CYCLE TIME - 24 sec/mold

### ADVANTAGES

Robust and sturdy construction of machine  
and line  
High molding speed  
Quick pattern changing  
High accuracy for precise casting



### SAND PLANT

FULLY AUTOMATED [ PLC / SCADA ] WITH SMART  
MULTI-COOLER

MAKE - Savelli India  
CAPACITY - 32 ton per hour  
INTENSIVE MIXER - 1200 kg/180sec  
SAND COOLER - continuous smart multi-cooler  
SAND STORAGE - 150 ton  
NEW SAND STORAGE - 15 ton  
ADDITIVE STORAGE - 2 x 5 ton  
CONVEYING - Pneumatic conveyer [ sand and additives ]

### ADVANTAGES

Intensive Mixer consist of ceramic lining which reduces  
wear and corrosion of inner components, which results to a  
longer lifespan of the mixer  
Low power consumption due to usage of I.E-3 motors  
across the plant  
Dual dust collection system for better work environment  
Smart multi-cooler [ attached with inlet and outlet moisture  
and temperature probe ] continuously regulates sand  
temperature and moisture results in homogeneous sand  
temperature and properties within range



# OUR INFRASTRUCTURE

Foundry



## CORE SHOP

8 - Automatic Cold box Core shooters  
Core sand mixer with S-plough for better sand mixing  
Pneumatic Sand Conveying  
Large core storage area and facility

## SHOT BLASTING

MAKE - Gostol India  
HIGH SPEED OPERATIONS  
HANGER TYPE - 1  
TUMB BLAST - 2



## MELTING FURNACE

1. MAKE - Inductotherm [India]  
2. CAPACITY - 2 x 500 kg duratrack  
3. MELT RATE - 2 ton/hour  
4. PANEL - 1100 Kw  
Inductotherm furnace with I-optimizer panel for data acquisition and auto sintering  
Online C-Si Analyzer  
Circular Monorail with multiple hoist for faster pouring



# QUALITY MANAGEMENT

Setting New Standards



## TESTING AND INSPECTION FACILITIES

SAND TESTING EQUIPMENT  
MOLD HARDNESS TESTER  
GCSTESTER  
PERMEABILITY TESTER  
MOISTURE TESTER

## PHYSICAL TESTING EQUIPMENT

GUARANTEED EXCELLENCE  
UTM [UNIVERSAL TESTING MACHINE] FOR  
TENSILE TESTING  
BRINELL HARDNESS TESTER  
VARIOUS CUSTOM MADE GAUGES



## METAL TESTING EQUIPMENT

C-Si ANALYSER  
PYROMETER  
SPECTROMETER  
IMAGE ANALYZER FOR METAL PHASE ANALYSIS

# FOUNDRY CERTIFICATIONS

ZERTIFIKAT ♦ CERTIFICATE ♦ 証書 ♦ CERTIFICADO ♦ CERTIFICAT



## CERTIFICATE

The Certification Body  
of TÜV SÜD South Asia Private Limited  
certifies that



**Impulse Technocast LLP**  
Plot No. 1 And 2, Sur. No. 50/1, Opp. Toyota Infinium Showroom,  
Nr. Cooper Ind. Area, Rajkot Gondal Highway, Kangasiyali,  
Rajkot - 360022, Gujarat, India

has implemented Quality Management System  
in accordance with **ISO 9001:2015**  
for the scope of

**Manufacture and Supply of Grey Iron and Ductile Iron Castings**

The certificate is valid from **2022-10-14** until **2025-10-13**  
Subject to successful completion of annual periodic audits  
The present status of this certificate can be obtained through TÜV SÜD website by scanning below QR code and by  
entering the certificate number (without spaces) on web page. Further clarifications regarding the status & scope of  
this certificate may be obtained by consulting the certification body at [info.in@tuv-sud.com](mailto:info.in@tuv-sud.com)

Certificate Registration No. **99 100 22725**  
Date of Initial certification: **2022-10-14**  
Issue Date: **2022-10-14 Rev. 00**





Rahul Kale  
Head of 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 - 400072 • Maharashtra • India TÜV®

# Certificate of Registration



This is to Certify That The Quality Management System of

## IMPULSE TECHNOCAST

PLOT NO. 60, 61 & 66, VAVDI SURVEY NO. 38/1, B/H HOTEL KRISHNA  
PARK, GONDAL ROAD, RAJKOT-360 004, GUJARAT, INDIA.

has been audited and conformed to be in accordance with the requirements of

## ISO 9001:2015

The Quality Management System is Applicable to :

**MANUFACTURE AND SUPPLY OF GREY IRON AND  
DUCTILE IRON CASTINGS.**

Certificate No :	XXXXXXXX
Initial Registration Date:	XX/MM/YYYY
Date of Expiry :	XX/MM/YYYY
1st Surve. Due :	XX/MM/YYYY
2nd Surve. Due :	XX/MM/YYYY



Director



**Aambitious Assessment Pvt. Ltd.**  
D-9, Sector 03, Noida, Gautam Buddha Nagar, Uttar Pradesh - 201301, India.  
e-mail: [info@aapcertification.in](mailto:info@aapcertification.in), website: [www.aapcertification.in](http://www.aapcertification.in)  
Certificate Verification: Certificate Validity can be re-checked at [www.aapcertification.in](http://www.aapcertification.in)  
This certificate is a property of Aambitious Assessment Pvt. Ltd. and shall be returned immediately when demanded  
\*Validity of the certificate is subject to successful completion of surveillance audit on or before due date

ISO 9001:2015



## CUSTOMERS



**Crompton**





**IMPULSE**  
TECHNOCAST



## Contact Us

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