



**PRITI**  
**MARINE PVT. LTD.**

Manufacturer & Exporter of  
All types of steel castings



AN ISO 9001:2008 CERTIFIED COMPANY



## Product Range

- Unalloyed plain carbon steel
- Alloy steel
- 22% Mn steel
- Corrosion resistant steel
- Hi-tensile steel
- Stainless steel
- Duplex and super-duplex steel

## Company Introduction

M/s Priti Marine Private Limited – Casting Division, one of the upcoming Foundries in Western Part of India is engaged in manufacture and supply of Steel, Wear Resistant Steel and Alloy Steel Castings in various grades in unmachined and machined condition supply for core industrial sectors (both Domestic & Global level) like Steel, Power, Thermal (Hydel, Wind), Mines, Cement, Sugar, Earth Moving and other specialized areas.

## Given below is our manufacturing capacity

Cast Steel	: Single piece weight from 100 kgs. to 4,500 kgs.
Mn Steel	: Single piece weight from 100 kgs. to 4,500 kgs.
Stainless Steel	: Single piece weight from 100 kgs. to 4,000 kgs.
Duplex Stainless Steel	: Single piece weight from 100 kgs. to 4,000 kgs.
Super Duplex Stainless Steel	: Single piece weight from 100 kgs. to 4,000 kgs.
High Chrome Steel	: Single piece weight from 100 kgs. to 4,000 kgs.
Low Alloy Steel	: Single piece weight from 100 kgs. to 4,000 kgs.
Ni-Hard	: Single piece weight from 100 kgs. to 4,000 kgs.

## Facilities

- Pattern Making : Experienced pattern makers.
- Melting : 6Ton capacity Induction Furnace (with 2 crucibles) (2700KWcap) Ladle Pre Heating Zone.
- Heat Treatment : In-house facilities for Stress Relieving, Annealing, Normalizing, Quenching (Water and Polymer) etc. to achieve the properties of castings as per technical delivery conditions.
- Fettling : Equipped facility to process the casting with sustainable speed. 3 Stations of Swing Grinder, 6nos. Hand Grinders 10nos. at a time, Air Arc Gauging.
- Testing : In-house chemical & physical lab with Tensile test, BHN Facility, Bend Testing and Rockwell, Spectrometer, Dye Penetrating Test, Ultrasonic Testing, MPI and other Non-Destructive Testing.

## Other Facilities

- > Heavy Duty Cranes 5Ton 1no, 10Ton 2nos, 15Ton 1no., 20Ton 1no.
- > 100Ton capacity Sand Storage free from moisture.
- > 10Ton capacity Shake out Machine
- > Core making from NO-BAKE Sand
- > Moulding process is Co2
- > 2.5Ton 2nos. and 6Ton 2nos. Ladle Firing system
- > 6ft. dia capacity Shot Blasting Machine
- > 3 nos. Mobile Cranes (8 to 12Ton)
- > Motorized railed transfer trolley (capacity 20Ton) covering entire plant.

## Our Strength

We are backed by 100nos. experienced professional work force of skilled workmen and Engineers supported by machine tools meeting the customer's requirement in terms of quality and delivery.

## Future Plans

- Setting up a modern Pattern / Tool Making shop with CAD and Simulation facilities.
- Setting up full fledged Machining Facilities to meet specific customer needs.

We believe that Priti Marine Ltd. will become one of the most preferred Foundries in this part of World with the ability of producing quality castings for global market with competitive price and right delivery schedule. The team is restless working towards this objective.

## Quality Policy

We, engaged in manufacturing & supply of all types of steel castings in unmachined and machined condition are committed to increase our market share by satisfying customer requirements through offering products at best prices, on time delivery and better support. We continuously improve in knowing customer needs and proactively acting on things required to satisfy the same.

We are committed to develop and implement of the quality management system & continuously improve its effectiveness.

We are committed to :

- Communicate to the rest of the organization, the importance of meeting customer requirements as well as statutory & regulatory requirements.
- Conduct management reviews
- Ensure the availability of resources

Every attempt is made to achieve total customer satisfaction by identifying & fulfilling all needs & expectations of customers, both stated & implied needs, as well as regulatory requirements.

The organization has determined & provided resources to implement & maintains the quality, management system & continuously improve its effectiveness.

## Industries We Serve



Cement Plants



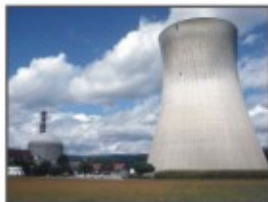
Earth Moving



Mines



Oil & Gas



Power Plants



Pump Industries



Sugar Mill



Valve Industries



Wind Mill



## Product Range

### Castings for Cement Plants



### Castings for Earth Moving Equipments



### Castings for Gear Boxes



### Castings for Mines



### Castings for Oil & Gas



### Castings for Power Plants

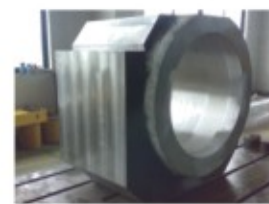


All types of  
Steel Castings

## Castings for Pumps



## Castings for Steel Plants



## Castings for Sugar Mills



## Castings for Valve Industries



## Castings for Windmill







## Factory Tour

Plot Area	:	8094Sq. Mtrs
Covered Area	:	3825Sq. Mtrs.
Open Storage	:	4269Sq. Mtrs.
Capacity Per Year	:	4200Ton per annum
Man Power	:	100nos.

## Pattern Making

Skilled pattern makers and staff for pattern making



## Sand Plant

- 500 Kgs. each batch Conventional Sand Mixer for CO2 process.
- 100 Kgs. Capacity core Mixer for NO-BAKE process.



## Moulding

Hand Moulding & match plate moulding.



## Core Making

Mould making CO2 process core making NO-BAKE



## Pouring/Melting

Medium Frequency Induction Furnace Capacity.

- 6Ton Ladle - 2nos.
- 2.5Ton Ladle - 2nos.
- Lip Pouring Ladle - 1Ton Capacity - 1no.



## Heat Treatment

- 5Ton capacity Heat Treatment Furnace - 1no.
- 2Ton Heat Treatment Furnace under installation
- 5Ton Heat Treatment Furnace under installation
- Special LDO pipeline available in entire plant from main junction.
- Annealing, Normalizing, Quenching : Polymer, Water



## Fettling

- 3 Stations of Swing Grinder
- 10nos. Hand Grinders at a time
- Air Arc Gauging
- 3 Stations of Welding Rectifier
- 2Ton Capacity Shot Blasting Machine 72"
- Marking Table to check Casting
- 400Ton pressure capacity straightening Press upto 5 inch thickness



## Testing Facilities

- 31 Elements Spectrometer (with nitrogen facility) metal testing before & after tapping of each melt
- All Mechanical Testing facility
- Chemical Testing
- Sand Testing Facility (STF)

### NDT

- Ultrasonic Testing (UT)
- Magnetic Particle Testing (MPT) 1000AMP
- Dye Penetration Test (DPT)



## Inspection

Full Dimension checking along with the marking facility for full proof inspection of Casting



## Compressed Air Station

250 & 130 CFM air compressor covering entire Plant through special pipeline



## Handling Facilities

- EOT cranes 20Ton capacity - 2nos
- EOT cranes 10Ton capacity - 2nos
- EOT cranes 5Ton capacity - 1no
- Transfer Trolley 20Ton Capacity (Motorized Rail)
- Mobile Cranes - 3nos. (8 to 12Ton)





# Details of Equipments

Description	Capacity	Make		Nos.	Remark
		Name	Year		
Induction Furnace	6T	Electotherm, Ahemdabad, INDIA	2005	2nos.	Crucibles
Bottom Poured Ladle	2.5T	BMM, Baroda, INDIA	2010	2nos.	
Bottom Poured Ladle	6T	Electotherm, Ahemdabad, INDIA	2005	2nos.	
Lip Pouring Laddle	1T	BMM, Baroda, INDIA	2010	1no.	
EOT Cranes	10T	Radiant Engg, Ahemdabad, INDIA	2010	2nos.	
Shakeout Machine	10T	BMM, Baroda, INDIA	2010	1no.	
Sand Mill	600kgs	BMM, Baroda, INDIA	2010	1no.	
Heat Treatment Furnace	5T	KPT Thermal, Chennai, INDIA	2010	1no.	Oil Fire Furnace
Shot Blasting M/C	2T ( 72" Dia )	Indabretor, Karamsad ( Nesco ), INDIA	2010	1no.	
Air Arc Gauging Plan	600Amp	Ador, Mumbai, INDIA	2010	1no.	
Welding Plan	400Amp	Standard, Baroda, INDIA	2008	2nos.	
Air Compressor	250CFM&125CFM	Atlas Copco, BELGIUM	2005	2nos.	
Marking Table	2 x 1.5Mtr.	Jash Precision, Indore, INDIA	2010	1no.	
Ultrasonic Testing	Einstein model	Medsonic Instruments, Ahemdabad, INDIA	2010	1no.	
Magnetical Partical Test	1000 Amprs	Vinze Megna Field, Pune, INDIA	2010	1no.	
Hydraulic Press	400T	Rangani Engg. Rajkot	2010	1no.	
Tensile	400T	Akash, INDIA	2009	1no.	
Charpy Impact	0.00-300.00 J	FSA, INDIA	2003	1no.	
Spectrometer	31 Elements	SPECTROMAX x, Germany	2008	1no.	

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