

# GET TEN CASTINGS AT ONE FOUNDRY NOT ONE AT TEN

Manufacturerers of :

**Application Base  
Castings**

**Heat Resistance  
Castings**

**Wear Resistance  
Castings**

**Corrosion Resistance  
Castings**



B-10, Siddhapura Industrial Estate, Behind R City Mall, Amrut Nagar, Ghatkopar (W), Mumbai-400 086.  
Mobile : **9820869359** Email : **vsimachine@gmail.com**

# Products

## Wear Resistance Cobalt Base Castings.

### Typical Application :

- Cement Production Wear Parts
- Earth Moving Parts
- Vibratory Mills
- Food Processing Wear Part
- Dust Collecting in Alloys
- Grinding Ring And Balls
- Liner Plate in Hi-Chrome
- For Cement Plants
- Hollow And Grinding Balls
- in Ni-Chrome-moly Steel or
- Hi-Chrome for Thermal Plants

## Heat Resistance Nikel+Chrome+Moly Base Castings

### Typical Application :

- Charge carrier basket for furnace (HU Grade)
- Furnace door arches & lentils (HK Grade)
- Melting pot (HK grade)
- Roof hanger for furnace (HU Grade).
- Conveyor shoe (HX Grade).
- Hearth roller (HK Grade).
- Connection tube support, grate support, ring segments, rabble teeth & spacers.
- Annealing, hardening, quenching, and heat treating try & stocker parts.
- Gas intel casting for railway (HK Grade).
- Burner nozzle (HF Grade).
- Furnace grids (HU or HK Grade).
- Shekar hearth tray (HX Grade).
- Billet skids (HK Grade).
- Furnace chain (HK Grade).
- Grade plates & lifiers for cooling clinkers (HF or HH Grade).

## Corrosion Resistance Nickel Alloy Castings.

### Typical Application :

- Chemical Processing Machineries
- Pump Valves
- Paper & Pulp Mills
- Sigma Blades
- Fuel Nozzles
- Heat Trating Equipments
- Pump Valves
- Pollution Control Equipments
- Pump Impellors
- Ash Pit Seales
- Scrubbers
- Nuclear Reactor
- Caustic Soda Handling Plant
- Marine Equipments
- Valve Trim
- Furnace Parts and
- Abrasion Resistance

## Stainless Steel Castings :

### Typical Application :

- Hydrochloric Acid
- Phosphoric Acid
- Valve Trims
- Food Machineries
- Valve Fittings
- Chemical Bleaching & Dying Unit
- Nitric Acid
- Anti Corrosive Applications
- Sulphuric Acid
- Valve Rollers
- Chemical Machineries
- Paper & Pulp Mills Machineries

## S. G. Iron (Ductile Iron) Castings.

### Typical Application :

- Deferential carriers.
- Rolling mills rolls.
- Chain pully blocks.
- Gear loads.
- Exhaust manifold.
- Break shoes.
- Better replacments to cast iron & malleable iron castings.
- Glass mould.
- Heavy duty breaks.
- Machine tool beds.
- Automobiles parts.
- Chain wheel.
- Shock resistance parts.

## Ni - Resistance / Austenitic Iron Castings.

### Typical Application :

- Seas Water Pump
- Gas Turbine Pump
- Ammonia Or Caustic Alkali Pumps
- Exhaust Manifold
- Valve Seats
- Turbo Chargers
- Phosphate Rock Mixer Paddles
- Mineral Acid Pumps
- Guide Rail For Thermal Plants
- Filter Drums In Salt Industries
- Propeller For Marine Sea Water Pumps, Acid Pumps.

## Graded / Alloyed Cast Iron Castings.

### Typical Application :

- Bearing housing & plates.
- Bottom plates.
- Grate bars & side bars for sinter plants.
- Slag pots.
- White iron castings.
- Ingot moulds & pig moulds.
- Power plants resistance gride & touvers.
- Fly wheel & gear boxes.
- Vessels for chemical industries.
- Brake block & brakeshoes.
- Coke oven door & assembiles Permanent Moulds.
- Acid, heat, wear resistance castings.
- Glass moulds.
- Valve flow & pump assembly.

## Ni - Hard Castings.

### Typical Application :

- Dredging and fly ash handlings.
- Various pumps parts like impellor, body etc.
- Ni - hard trunion used at the discharged ends of grinding mills.
- Ni - hard used in asphalt mixtures plants, paddles and tips segmantas.
- Disc refiner segments
- Crusher blocks.
- Muller tyres, pugmill knives, mill liners, shot blastings machine spares.
- Grinding balls and liners plates for various grinding operations. (For coal, pulvariser, hammer heads etc.)
- Pulvarised fuel bends in ni - cr steal for thermal plants.



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Behind R City Mall, Amrut Nagar,  
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To, \_\_\_\_\_

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## Foundry Tour

### 1) Melt Department

- 100 kgs. Medium frequency induction melting furnace.
- 1000 kgs. Cupola furnace.
- 750 kgs. Oil fired rotary furnace for graded cast iron casting.

### 2) Moulding Practices

- Green sand moulding
- Dry sand moulding
- Co/2 Noback moulding
- Molasis sand moulding
- Shell moulding

### 3) Value Added Service

Satyam foundry provides a wide range of castings and value - added service to meet your growing requirements.

By providing a variety of value - added services, we go beyond the traditional service level of other foundries resulting in **improvements in quality and shorter the delivery period.**

#### A) Pattern Design Assistance

The making of casting starts from patterns.

#### B) Solidification Analysis

To optimise foundry method prior to cast difficult parts, Solidification modeling including flow analysis is available as an **engineering service**.

#### C) Metallurgical Service

Can provide the quality check test lab facility for chemical test, physical properties, hardness check, ultra sound, micro test or special module counts etc.

#### D) Heat Treatment

Full range of heat treatment services provide to **ascertain the real applicable value of metals**. Heat treating service include stress relieving, full annealing and normalising etc.

#### E) Shot Blasting & Fettling

Final dress up of the casting end at this department. For removing extra burs sand particles shot blasting required and fettling for removing burs, cutting runner risers mark by grinders and chizzles are used.

#### F) Tailor Made Compositions

##### We Can Develop

Any Tailor Made Composition in Any Specification for Any Applicability

Any Time

Always On Time

#### G) Speciality

We Under take Development import substitute castings in any specific metallurgical & metallography specification with full application guarantee.



## Graded / Alloyed Cast Iron Castings.

Graded / Alloyed Cast Iron Casting can be manufactured to any international specifications equivalent to : IS 210/1978 from Grade FG 150 to FG 300, IS 3005/1964, alloy cast iron casting IS 3355/1974, ASTM A 48 class 20, 25, 30, 35, 40, 45, 50.

#### Typical Application :

- Bearing housing & plates.
- Bottom plates.
- Grate bars & side bars for sinter plants.
- Slag pots.
- White iron castings.
- Ingot moulds & pig moulds.
- Power plants resistance gride & touvers.
- Fly wheel & gear boxes.
- Vessels for chemical industries.
- Brake block & brakeshoes.
- Coke oven door & assemblies Permanent Moulds.
- Acid, heat, wear resistance castings.
- Glass moulds.
- Valve flow & pump assembly.

## Steel Castings / Manganese Steel Castings.

Steel casting can be manufactured to any international specifications equivalent to IS 1030/1974, IS 2708/1973, IS 276/1978, ASTM 247-63A, IS 4522/1968, IS 2856/1974, IS 2644/1969 IS 2831/1975, BS 970(EN Series), ASTM 128.90 Manganese steel casting.

#### Typical Application :

- Hammer Bars
- Slag Cups
- Grizzly Disk Cock Cutters
- Liner Plates
- Rollers
- Couplings
- Brake Heads
- Plough Guide
- Pig Moulds
- Roller Rings
- Charging Boxes
- Grinding Media
- Tuyere Stocks
- Throat Wearing Plates
- Axle Box Housing

## Ni - Hard Castings.

Ni-hard casting can be manufactured to any international specifications equivalent to :

Nitin's Grade NW 1	1 ASTM A 532 1 A TYPE 1	IS 4771 Grade 1
Nitin's Grade NW 2	1 ASTM A 532 1 B TYPE 2	IS 4771 Grade 2
Nitin's Grade NW 3	1 ASTM A 532 1 C TYPE 3	IS 4771 Grade 3
Nitin's Grade NW 4	1 ASTM A 532 1 D TYPE 4	IS 4771 Grade 4

#### Typical Application :

- Dredging and fly ash handlings.
- Various pumps parts like impeller, body etc.
- Ni - hard trunion used at the discharged ends of grinding mills.
- Ni - hard used in asphalt mixtures plants, paddles and tips segments.
- Disc refiner segments
- Crusher blocks.
- Muller tyres, pugmill knives, mill liners, shot blastings machine spares.
- Grinding balls and liners plates for various grinding operations. (For coal, pulveriser, hammer heads etc.)
- Pulvarised fuel bends in ni - cr steal for thermal plants.

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## Shreeji

established in 1981 as a producer of graded cast iron, now producing a wide spectrum of castings from standard stainless steel to exotic super alloys casting as per Indian and International standards.

Shreeji is well known in the industrial circle for its intensive approach, presently Shreeji is equipped with modern medium frequency induction melting furnace. By intergration of skilled workmen, process and material control, Shreeji is able to produce the quality castings in various grades which is equivalent to Hastalloys, alloys 20, Ca15, Ca40, R55, HRCS, HC to HX grade castings.

Shreeji is managed by t6he professionals and each castings produced by the company is being thoroughly followed, and every step is being taken to meet the quality and finish required for the customers. For Shreeji quality is another name for excelience and delivery is the essence of supply, and we assure both to our valued customers for domestic as well as for export markets. The winners will be the companies that learn to add value to their customers and empowered their employees at all levels and Shreeji is one of them.

 **Shreeji**  
FOUNDRY &  
ENGINEERING WORKS

## Products

### Wear Resistance Cobalt Base Castings.

Wear Resistance Cobalt + Chorme + Moly Base Casting can be manufactured to any international specifications equivalent to :

HpAlloys Cobalt 6B (Co-Cr-W)	(UNS R 30016)	OR 15-3 Types
HpAlloys Cobalt 6BH (Co-Cr-W)	(UNS R 30016)	27 Cr Types
Nitronic 60 (Alloy 218)	(UNS S 21800)	VE 7 Types and
Haynes Alloys 25 (L 605)	(UNS R 30605)	Manganese steel grade
Inconel Alloys 625	(UNS N 06625)	Types

#### Typical Application :

- Cement Production Wear
- Parts
- Earth Moving Parts
- Vibratory Mills
- Food Processing Wear Part
- Dust Collecting in Alloys
- Grinding Ring And Balls
- Liner Plate in Hi-Chrome
- For Cement Plants
- Hollow And Grinding Balls
- in Ni-Chrome-molly Steel or
- Hi-Chrome for Thermal Plants

### S. G. Iron (Ductile Iron) Castings.

S. G. Iron (Ductile Iron) Casting can be manufactured to any international specifications equivalent to :

IS 1865/91	Matrix	DIN 1593/73	JIS 6550/71	ASTM 536/84	ASTM 536/84	NFA 32/201	***BSEN 1563-1997
SG 350/22	Ferrite	GGG - 35.3	-	60 - 40 - 18	-	-	EN-JS 1015
SG 350/22	Ferrite	GGG - 35.3	-	60 - 40 - 18	-	-	EN-JS 1014
SG 350/22	Ferrite	GGG - 35.3	-	60 - 40 - 18	-	-	EN-JS 1010
SG 350/15	Ferrite	GGG - 40.3	FCD - 40	-	VCL 38/15	FGS370-17	EN-JS 1024
SG 350/15	Ferrite	GGG - 40.3	FCD - 40	-	VCL 38/15	FGS370-17	EN-JS 1020
SG 350/15	Ferrite	GGG - 40	-	65 - 45 - 12	VCL 38/15	FGS370-12	EN-JS 1030
SG 350/10	Ferrite	-	FCD - 45	80 - 55 - 06	-	-	EN-JS 1040
SG 350/7	Ferrite*	GGG - 50	FCD - 50	-	VCL 42/12	FGS500/7	EN-JS 1050
SG 350/3	Mainly Pearlite	GGG - 60	FCD - 60	-	VCL 60/2	FGS600/3	EN-JS 1060
SG 350/2	Pearlite	GGG - 70	FCD - 70	120 - 90 - 02	VCL 70/2	FGS700/2	EN-JS 1070
SG 350/2	Pearlite or Tempered Structure	GGG - 80	-	-	VCL 80/2	FGS800/2	EN-JS 1080

#### Typical Application :

- Differential carriers.
- Glass mould.
- Rolling mills rolls.
- Heavy duty breaks.
- Chain pulley blocks.
- Machine tool beds.
- Better replacements to cast iron & malleable iron castings.
- Gear loads.
- Exhaust manifold.
- Break shoes.
- Automobiles parts.
- Chain wheel.
- Shock resistance parts.

### Corrosion Resistance Nickel Alloy Castings.

Super Nickel Alloys Corrosion Resistance Casting can be manufactured to any international specifications equivalent to :

Alloy B-2 Hastelloy B	IS 3444 GRADE 23	ASTM A-494 GR.N 12 MW
Alloy C-276 Hastelloy C	IS 3444 GRADE 19	ASTM A-494 GR.CW 12 MW
Alloy 20	IS 3444 GRADE 18	ASTM A-351 GR.CN 7 M
Alloy 625 Incolony 625	-	
Alloy 400 Monel	-	
Alloy 500 K Monel	-	
Alloy 600 Monel L	-	

#### Typical Application :

- Chemical Processing Machineries
- Pump Valves
- Paper & Pulp Mills
- Sigma Blades
- Pollution Control Equipments
- Pump Impellers
- Ash Pit Seals
- Scrubbers
- Nuclear Reactor
- Caustic Soda Handling Plant
- Marine Equipments
- Valve Trim
- Fuel Nozzles
- Heat Trating Equipments
- Pump Valves
- Furnace Parts and
- Abrasion Resistance

## Products

### Stainless Steel Castings :

Stainless still casting can be manufactured to any international specifications equivalent to :

AISI 410	IS 3444 GRADE 10	ASTM A 743 CA - 15	Nitin Grade NCA 1
AISI 440	IS 3444 GRADE 14	ASTM A 743 CA - 40	Nitin Grade NCA 2
AISI 304	IS 3444 GRADE 1	ASTM A 743 CA - 8	Nitin Grade NCF 2b
AISI 304 L	IS 3444 GRADE 15	ASTM A 743 CA - 3	Nitin Grade NCF 4a
AISI 316	IS 3444 GRADE 4	ASTM A 743 CA - 8M	Nitin Grade NCF 3b
AISI 316 L	IS 3444 GRADE 16	ASTM A 743 CA - 3M	Nitin Grade NCF 4b

#### Typical Application :

- Hydrochloric Acid
- Phosphoric Acid
- Valve Trims
- Food Machineries
- Anti Corrosive Applications
- Sulphuric Acid
- Valve Rollers
- Chemical Machineries
- Valve Fittings
- Chemical Bleaching & Dying Unit
- Nitric Acid
- Paper & Pulp Mills
- Machineries

### Heat Resistance Nickel + Chorme + Moly Base Castings.

Heat Resistance Nickle + Chorme + Moly Base Casting can be manufactured to any international specifications equivalent to :

Alloy HRCS 9/19	IS 4522 GRADE 5	ASTM A 297 Grade HF	Nitin Grade NHF
Alloy HRCS 12/25	IS 4522 GRADE 7	ASTM A 297 Grade HH	Nitin Grade NHH1
Alloy HRCS 20/25	IS 4522 GRADE 9	ASTM A 297 Grade HK	Nitin Grade NHK
Alloy HRCS 25/20	IS 4522 GRADE 11	ASTM A 297 Grade HN	Nitin Grade NHN
Alloy HRCS 35/15	IS 4522 GRADE 12	ASTM A 297 Grade HT	Nitin Grade NHT
Alloy HRCS 39/19	IS 4522 GRADE 13	ASTM A 297 Grade HU	Nitin Grade NHU
Alloy HRCS 66/17	IS 4522 GRADE 14	ASTM A 297 Grade HX	Nitin Grade NHX

#### Typical Application :

- Charge carrier basket for furnace (HU Grade)
- Furnace door arches & lentils (HK Grade)
- Melting pot (HK grade)
- Roof hanger for furnace (HU Grade).
- Conveyor shoe (HX Grade).
- Hearth roller (HK Grade).
- Connection tube support, grate support, ring segments, rabble teeth & spacers.
- Annealing, hardening, quenching, and heat treating try & stocker parts.
- Gas intel casting for railway (HK Grade).
- Burner nozzle (HF Grade).
- Furnace grids (HU or HK Grade).
- Shekar hearth tray (HX Grade).
- Billet skids (HK Grade).
- Furnace chain (HK Grade).
- Grade plates & lifiers for cooling clinkers (HF or HH Grade).

### Ni - Resistance / Austenitic Iron Castings.

Ni -resistance casting can be manufactured to any international specifications equivalent to :

ASTM A 436 type 1	IS 2749/64 AFG Ni15 Cu6	Nitin Grade NFG 1A
ASTM A 436 type b	IS 2749/64 AFG Ni15 Cu6 Cr3	Nitin Grade NFG 1B
ASTM A 436 type 2	IS 2749/64 AFG Ni20 Cr2	Nitin Grade NFG 2A
ASTM A 436 type 2B	IS 2749/64 AFG Ni20 Cr3	Nitin Grade NFG 2B
ASTM A 436 type 4	IS 2749/64 AFG Ni20 Si5 Cr3	Nitin Grade NFG 4
	IS 2749/64 AFG Ni30 Cr3	Nitin Grade NFG 5
ASTM A 439 type D2	IS 2749/64 ASG Ni20 Cr2	Nitin Grade NSG 2A
	IS 2749/64 ASG Ni20 Cr3	Nitin Grade NSG 2B
ASTM A 439 type D2	IS 2749/64 ASG Ni22	Nitin Grade NSG 3
	IS 2749/64 ASG Ni20 Si5 Cr2	Nitin Grade NSG 4
ASTM A 439 type D3	IS 2749/64 ASG Ni20 Cr3	Nitin Grade NSG 5

#### Typical Application :

- Seas Water Pump
- Gas Turbine Pump
- Ammonia Or Caustic Alkali Pumps
- Exhaust Manifold
- Phosphate Rock Mixer Paddles
- Mineral Acid Pumps
- Guide Rail For Thermal Plants
- Filter Drums In Salt Industries
- Valve Seats
- Turbo Chargers
- Propeller For Marine Sea Water Pumps, Acid Pumps.

**Satyam**  
ALLOYS PVT. LTD.

(Foundry Division)  
Introducer Value Added Services

Shot Blasting/  
Sand Blasting  
Services



**Heat Treatment Services**



Hardening & Tempering, Carborizing & Hardening, Normalising, Annealing, Solution Annealing, Stress Relieving, Flame Hardening

A-32, M.I.D.C., Near Taloja Weigh Bridge, Taloja, Navi Mumbai, Dist Raigad-410208, Maharashtra, India.  
Tel. : 27412878 Email : satyamalloys@gmail.com

Kishor Botadra -9820869359

**Satyam**  
ALLOYS PVT. LTD.

(Foundry Division)  
Introducer Value Added Services

- GRADED CAST IRON CASTINGS  
Industrial Applications
- STAINLESS STEEL CASTINGS  
S.S.304, 316, 320, 321 Grades
- STEEL CASTINGS  
WCA, WCB, WCC
- MANGANESE STEEL CASTINGS  
Wear Applications
- S.G. IRON CASTINGS  
Superior Ductility
- CORROSION RESISTANCE CASTINGS  
Hast alloy, Alloy 20
- HEAT RESISTANCE CASTINGS  
HRCs, CATs, CA 40
- WEAR & ABRAZION RESISTANCE CASTINGS  
NI Hard, NI Resistance
- IMPORT SUBSTITUTE CASTINGS  
Any Grade Any Alloy
- PROPRIETARY ALLOY CASTINGS  
Better Performance

*Get Ten castings  
at  
One Foundry  
not  
One at Ten*

A-32, M.I.D.C., Near Taloja Weigh Bridge, Taloja, Navi Mumbai, Dist Raigad-410208, Maharashtra, India.  
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Kishor Botadra -9820869359

**Shreeji**  
FOUNDRY & ENGINEERING WORKS

Manufacturers of :  
**Application Base  
Heat, Wear, Corrosion  
Resistance Castings**

Office :  
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Behind R-City Mall, Amrut Nagar,  
Ghatkopar (W), Mumbai-400 086.

Factory :  
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Behind Dena Bank, Taloja,  
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