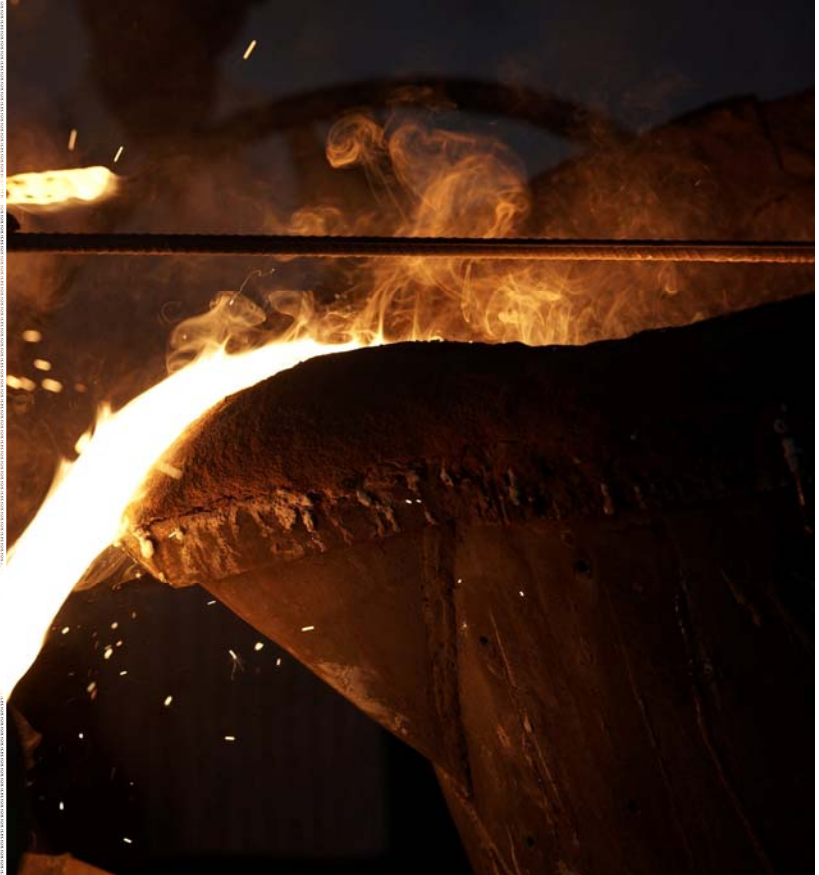


**Company Profile**

**SHREE HANS ALLOYS LIMITED**

**2012-13**



**SHREE HANS ALLOYS LIMITED**

**201/202/203, GIDC ESTATE,  
Dholka - 387 810;**

**Dist. Ahmedabad, Gujarat, INDIA.**

**T: +91 2714 248 350 /251**

**F: +91 2714 248 349**

**M: +91 98240 33291 / 94260 20102  
/ 98252 08825**

**e-Mail: [hansalloys@rediffmail.com](mailto:hansalloys@rediffmail.com);  
[adaga@hansalloys.com](mailto:adaga@hansalloys.com)**

**WEB: [www.hansalloys.com](http://www.hansalloys.com)**

**[www.stainlesssteelcastings.co.in](http://www.stainlesssteelcastings.co.in)**

This document consists of a brief description of Company, its Products & Services, Manufacturing Facilities, Material Specifications and Quality Control Facilities.

# COMPANY PROFILE

## Corporate Office

### **SHREE HANS ALLOYS LIMITED**

“Sangath”, Behind State Bank of India,  
C. G. Road Branch, Navrangpura,  
Ahmedabad – 380 009; (INDIA)  
Phone: +91 79 2656 4146 / 0675  
Facsimile: +91 79 2656 5425

## Registered Office & Works

201/202/203, GIDC ESTATE, Dholka - 387  
810; Dist. Ahmedabad, Gujarat (INDIA)  
Phone: +91 2714 248 350 / 248 251  
Fax: +91 2714 248 349

## Website

[www.hansalloys.com](http://www.hansalloys.com)  
[www.stainlesssteelcastings.co.in](http://www.stainlesssteelcastings.co.in)

## Contact Person

- 1. DINESH B DAGA**  
Chairman & Managing Director  
Cell #: +91 98240 33291  
Email: [cmd@hansalloys.com](mailto:cmd@hansalloys.com)
- 2. D V DEVANI**  
Assistant General Manager  
(Q. A.) Cell #: +91 94260 20102  
Email: [dvd@hansalloys.com](mailto:dvd@hansalloys.com)
- 3. ANURAG D DAGA**  
Director  
Cell #: +91 98252 08825  
Email: [adaga@hansalloys.com](mailto:adaga@hansalloys.com)

<b>Nature of Business</b>	Manufacturer
<b>Date of Establishment</b>	March 21 1984
<b>Capital Investment</b>	INR 135 Million
<b>M.S.M.E.D. Act 2006</b>	24-007-12-00957
<b>Company Reg. No.</b>	04 - 6828
<b>Export Reg. No.</b>	RCMC. B.: MFG.6874 2005-06 Dtd. 24 January 2006
<b>GST No.</b>	24074800634
<b>TIN – CST No.</b>	24574800634
<b>Permanent Account No</b>	AADCS 0482 Q
<b>TAN</b>	AHMS 03355 C
<b>Excise C.C. No.</b>	AADCS 0482 QXM 001
<b>Factory License No.</b>	098329 Dtd. 18 February 1997
<b>D&amp;B D-U-N-S No.</b>	72-590-8334

**Details of the following:**

a) Manufacturing Capacity: **4000 MT per Annum.**

b) Quality Control: We have inspection staff at shop floor level.

1. Engineer	06 NOS.
2. Quality Assurance	04 NOS.
3. Planning	02 NOS.
4. Contract Labour	85 NOS.
5. Administration	18 NOS.
	<b>TOTAL 115 NOS.</b>

**Business Type** Manufacturing of Stainless Steel, Nickel Base Alloy Castings, Duplex & Super Duplex Stainless Steel, HRCS, High Alloys, Ni-Hard, Cast Steel, Mn. Steel, Ni-Resist D2 conforming to various IS, ASTM, BS, DIN & Other Indian & International Specifications.

**Foundry Set-up** We have the following set-up at our foundry:  
1. Five Induction Melting Furnaces  
2. Four Heat-Treatment Furnaces  
3. One Spectrometer with **26 channels** with facility for Nitrogen Analysis for Duplex & Super Duplex Stainless Steel.  
4. Digital Micro Hardness Tester etc.

**Registration** Engineering Export Promotion Council,  
India National Small Industries  
Corporation Limited (Govt. Of India)

**Quality System** Our unit is certified by TUV NORD Group  
Quality International ISO 9001:2008 with  
IBR Approval and Dun and Bradstreet.

We are enclosing herewith the capabilities of our foundry, List of Equipment & Machineries available & List of Laboratory Equipments for your quick reference.

Please feel free to contact us or write to us, we will be very happy to assist you.

Thanking you & looking forward for the valued business association with your esteemed organization.

**For SHREE HANS ALLOYS LIMITED**

**Authorized Signatory**

## Overview

We take pleasure in introducing Shree Hans Alloys Limited as a leading manufacturer and exporters of sand castings from India since 1984.

We have been manufacturing highest quality castings in all metallurgical grades such as Stainless steel, Duplex and Super Duplex Steel, Alloy Steel, Carbon Steel, Nickel based alloys, Hi-chrome, Hadfield Manganese steel, Ni-Hard etc. and have earned a reputation in various core industries such as Pumps, Valves, Cement, Chemical, Marine, Mining, Power and General Engineering.

We have a state-of-the-art manufacturing facility spread over an area of **20,400 sq. meters** in the western India with an installed capacity of **4000 MT per annum** for producing a wide range of Steel and Stainless Steel Castings and Machined components ranging from **25 Kgs. – 3400 Kgs. per piece.**

Our factory has a well-developed infrastructure with an in-house laboratory equipped with all modern testing instruments such as Optical Emission Spectrometer, Ultrasonic Testing Machine and Magnetic Particle Testing Device etc. Our facility is also accredited with **TUV NORD DIN EN ISO 9001:2008, IBR certification and DUN & BRADSHEET** and supported by technically trained professional work force.

Our product range includes Pump Casing, Impellers, Stage Casing, Stuffing Box, Centrifugal Sleeves, Casting for Ball Valve, Check Valve, Globe Valve, Butterfly Valve & other Valve bodies, Crushing Ring, Jaw Plate, Bollards, Mill Liners, Bull Ring Segments, Spares for Crushers, Spares for Pulverizing Mills etc. conform to international Standards such as ASTM, DIN, BS, IS, NACE & MSS-SP55.

### **Our Vision (CASTING THE FUTURE™)**

To emerge as a global market leader in foundry industry and a major player in each of our market segments worldwide by offering world class products. To build loyalty among both our employees & customers' through constant Technological innovations within the bounds of quality work, customer satisfaction & knowledge-transfer.

## **Creating Value for our Customers**

SHAL has been focused over many years on providing its globally operating customers with products that support their stainless Steel, Duplex & Super Duplex Stainless Steel, Nickel based alloys, Carbon Steel, Low Alloy Steel, Hadfield Manganese Steel, Ni-Hard, Hi-Chrome, Cast & Machined component requirements.

## **Our Vision**

To emerge as a global market leader in foundry industry and a major player in each of our market segments worldwide by offering world class products. To build loyalty among both our employees & customers' through constant technological innovations within the bounds of quality work, customer satisfaction & knowledge-transfer.

## **Our Mission**

- ✓ Our mission is to be a reliable global business source for all foundry items such as Pumps, Valves, Mining, Power-plants & all other General Engineering sectors.
- ✓ To build long-term relationships with our customers'.

## **Our Strengths**

- ✓ Lies in our ability to provide just-in-time delivery.
- ✓ Superior Sand Casting quality adhering to various National & International Standards.
- ✓ Flexibility in planning and development of Samples for approval.
- ✓ Lies in continuous improvement – constant learning is supported by the Company-wide Knowledge Management Programme.

## **CASTING THE FUTURE®**

**SHAL** is casting the Future of Steel. But in doing so, we aim to be more than just successful. We wish to be admired both for our culture and for the high standards we set ourselves for quality, service and management.

# PRODUCT OVERVIEW



Different Types of Stainless Steel Castings with Metal Testing Laboratory



## Different Types of Castings for Valves, Hydro Power, Mining & Crushing Segments

**SHAL possesses experience and expertise in:**

- Production of stainless Steel and nickel-based alloy castings for pump and valve industries up to 3400 KGS / Piece.
- Cast & Machined Components for mining and mineral industries such as bowl liner, mantle liner, jaw plate, ball mill liner, apron pan, mine car wheel, rim liner, impactor hammer, concave liner, bucket lip etc.
- Ash handling spares like Inner casing, Wear Plate, Impellers, Bearing Housing and Back Plate etc.



<b>MATERIAL SPECIFICATIONS / METALLURGIES SERVED</b>	<b>ASTM</b>	<b>DIN</b>
<b>Carbon Steel</b>	A216 - WCB	1.0619
	A216 - WCC	
	A352 - LCC	1.1138
	A352 - LCB	
<b>Low Alloy Steels</b>	A217 - WC1	1.5419
	A217 - WC4	
	A217 - WC5	
	A217 - WC6	1.7356
	A217 - WC9	1.7379
	A217 - WC11	
	A217 - C5	1.7363
	A217 - C12	
	A217 - C12A	
<b>Martensitic Steels</b>	A743 - CA15	1.4008
	A743 - CA40	1.4028
	A743 CA-6NM	1.4313
<b>Heat Resisting Steel</b>	A297 - HF	1.4825
	A297 - HH	1.4837
	A297 - HI	1.4846
	A297 - HK	1.4848
		1.4749
	A297 - HD	1.4823
<b>Austenitic Stainless Steel</b>	A351 - CF8	1.4308
	A351 - CF8M	1.4408
	A351 - CF3	1.4306
	A351 - CF3M	1.4404 / 1.4409
	A351 - CF8C	1.4827
	A351 - CF10	1.4308
	A351 - CK20	1.4843
	A351 - CH20	

	A351 - CN7M	1.4500
	A351 - CG8M	1.4431
	A351 - CG3M	

	ASTM	DIN
<b>Austenitic Ferrite Duplex Steels</b>	A351 - CF3MN	1.4435
	A351 - CD4MCu	
	A351 - CG6MMN	1.3964
	A351 - CK3MCuN	
<b>Super Duplex Stainless Steel</b>	A890 - GR1A	
	A890 - GR2A	
	A890 - GR3A	
	A890 - GR4A	
	A890 - GR5A	
	A890 - GR6A	
<b>Nickel Based Super Alloys</b>	A494 - M-35-1	2.4365
	A494 - M-35-2	
	A494 - M 30 C	
	A494 - N-12MV	
	A494 - N-7M	
	A494 - CY40	2.4816
	A494 - CW12MW	2.4686
	A494 - CW6M	
	A494 - CW2M	2.4610
	A494 - CW6MC	2.4856
	A494 - CX2MW	2.4602
	A494 - Cu5MCuC	2.4858
	A560 - 50Cr50Ni	
	A560 - 50Cr50Ni-Nb	2.4813
	A560 - 60Cr40Ni	
<b>Ni- Hard / Hi – Chrome</b>	ASTM A 532 / IS: 4771/BS:4844	

**Special Alloy Castings Grades Can Be Developed As Per The Specific Requirement Of Customer.**

## LIST OF MANUFACTURING FACILITIES

Sr. No.	OPERATION	FACILITIES
1	<b>PATTERN SHOP</b>	Well equipped pattern shop for wooden/metallic patterns.
2	<b>MELTING SHOP</b>	Equipped with "ELECTROTHERM" Make 750 KW & 350 KW Medium Frequency Induction Melting Furnace Capacity each of: 2000 KGS, 1500 KGS, 750 KGS, 500 KGS & 200 KGS.
3	<b>MOULDING &amp; CORE MAKING</b>	<p><b>Machine Moulding:</b> IMF Italy T36/ 30-S &amp; T36/10-S continuous mixer delivering chemically bonded sand for moulding @ 30 tonnes per hour &amp; 10 tonnes per hour respectively with ALPHA SET Moulding System.</p> <p>Heavy castings are cast with metallic moulding boxes, with maximum cake size not exceeding 2000 mm X 2500 mm X 600 mm (cope) / 600 mm (drag). Ideal single piece weights ranging from 0.3 MT to 3 MT shall be made.</p> <p>Equipped with Pneumatic rammers &amp; Sand compactors for hand moulding, employing Sodium-Silicate, NO-BAKE Oil Systems.</p>
4	<b>HEAT TREATMENT SHOP</b>	<p>(a) Equipped with 0.5 MT, 2.5 MT, 5.0 MT electrical &amp; 10.0 MT oil fired Heat Treatment Furnace.</p> <p>(b) Annealing, Air, Water &amp; Oil Quenching, Tempering Heat treatment Facilities are available.</p> <p>(c) Equipped with "ATHENA" Make microprocessor based Digital Temperature indicator &amp; recorder &amp; controller.</p>
5	<b>FETTLING SHOP</b>	<p>(a) Well equipped fettling shop with heavy-duty swing frame grinders (6 Nos.) Flexible Shaft Grinder (11 Nos.), Sanders (02 Nos.)</p> <p>(b) Pneumatic Chippers &amp; STEEL BLASTING MACHINE (48" &amp; 72" TABLE SIZE), Sand Blasting Machine.</p> <p>(c) Well Qualified Welders &amp; welding procedure as per ASME, Section IX.</p>
6	<b>MACHINING FACILITIES</b>	(a) Available for PROOF/FINAL MACHINING with arrangement for various machine tools like horizontal boring, Vertical lathe, conventional lathes, radial drill, gear hobbing, milling, shaping, grinding, planning & various other machines.
7	<b>JOB CAPACITY</b>	<b>Weight Range: 25 KGS – 3400 KGS PER PIECE (Approx.)</b>
8	<b>STAND BY POWER</b>	<b>250 KVA GREAVES DG SET</b>

9	<b>CRANES</b>	15 MT - 1 NO. 10 MT - 3 NO. 05 MT - 8 NOS. 03 MT - 3 NOS. 01 MT - 1 NO.
10	<b>DUST COLLECTOR</b>	4 Dust Collectors from <b>DISA Make</b> is available in strategic location to take care of the pollution risk in the foundry.
11	<b>SAND RECLAMATION</b>	<b>IMF ITALY Make</b> Mechanical reclamation (8 MT / hour).
12	<b>WEIGH SCALES</b>	Weighing scales of capacity 0.5 MT, 1 MT, 5 MT & 60 MT (Weigh Bridge) are available.
13	<b>COMPRESSOR CAPACITY</b>	<b>KAESAR Make</b> Compressor is available with capacity to supply the operating pressure 6–7 bars for pneumatic conveying / other applications.
14	<b>LIGHTING /SAFETY AND SECURITY</b>	Inside the foundry, sufficient lighting arrangements, provision of fire extinguishers, sand pots in critical locations, water jet points are placed sufficiently to ensure proper safety of employees during any emergency.

## QUALITY CONTROL FACILITIES

TYPES OF CHECKS	EQUIPMENTS	CAPACITY / CAPABILITY
<b>DESTRUCTIVE CHECKS</b>		
CHEMICAL	Spectrometer Model OES - 5500 of SHIMADZU, JAPAN	With Fe, Ni & Cu base for testing of C, Si, Mn, Cr, Ni, Mo, Ti, V, W, S, P, Nitrogen Channel (25 Channels) & other related elements are checked upto three decimal accuracy
MECHANICAL PROPERTIES	UNIVERSAL TESTING MACHINE	40 T
TOUGHNESS	IMPACT TESTING MACHINE	Outsourced
Liquid Metal Temperature	PYROMETERS	1700° C Contact Type, 1000° C Non Contact Laser Gun
Hardness	Bench type & Portable Brinell Hardness Tester	Up to 700 BHN
Micro Structure	Metallurgical Microscope	Checking microstructures
<b>Non Destructive Test Checks (NDT)</b>		
RG	Radiography	Outsourced
MPT	Magnetic Particle Testing	In House
DPT	Dye Penetrating Test	In House
UT	Ultrasonic Testing	Outsourced
Raw Materials	Sand Testing Machine	Grain size distribution, Permeability, Compression and Shear Strength
Chemical Analysis	SPECTROMETER – Metal Testing Lab	TESTING OF RAW MATERIAL SCRAP, FERRO ALLOYS & In Process Liquid metal testing

# CERTIFICATE



Management system as per  
**DIN EN ISO 9001 : 2008**

In accordance with TÜV NORD CERT procedures, it is hereby certified that

**SHREE HANS ALLOYS LIMITED**  
201, 202, 203, GIDC Estate, Dholka,  
Dist. Ahmedabad – 387 810,  
Gujarat, India



applies a management system in line with the above standard for the following scope

**Manufacture & Supply of Carbon Steel & Stainless Steel Alloys, Nickel Alloys and Duplex Stainless Steel Castings up to 3400 Kgs**

Certificate Registration No. 44 100 104194-E3  
Audit Report No. 2.5-4638/2010

Valid until 26.05.2013

Certification Body  
at TÜV NORD CERT GmbH

Mumbai, 27.05.2010

This certification was conducted in accordance with the TÜV NORD CERT auditing and certification procedures and is subject to regular surveillance audits.

TÜV NORD CERT GmbH

Langemarckstrasse 20

45141 Essen

[www.tuev-nord-cert.com](http://www.tuev-nord-cert.com)



TGA-ZM-07-06-00