In House Testing Facilities

- Spark emmission Spectrometer Model OES – 5500 II of SHIMADZU, Japan with 25 channel with Fe, Ni & Cu based for testing of C, Si, Mn, Cr, Ni, Mo, Cu, Bo, Ti, V, W, S, P, Zn, Al, Pb, Nitrogen Channel & other related elements are checked up to three decimals accuracy.
- Fully equipped Sand Testing Laboratory for checking its various parameters.
- Well-equipped mechanical testing laboratory with machines like Rockwell Hardness Tester, Digital Micro Hardness Tester, Bend Test Machine & Universal Testing for checking physical properties like UTS, YS, Elongation etc.
- Metallographic microscope for checking micro structure. Image analyser for micro structure.
- Arrangement for Radiographic, Ultrasonic, MP Test & Other Non-destructive tests.
- Hydro testing facilities for pressure tight castings.
- Mechanical properties by 40 MT capacity Universal Testing Machine, duly calibrated.

Q.C. Measures Followed

We follow three stage quality plan i.e.
(A) Raw material testing
(B) In process testing and
(C) Final inspection.
Some of the tests include are
1. Raw material like scrap, Fe-alloys, sand, bentonite, etc.
2. Chemistry of all heats.
3. Dimensional inspection of casting right from pattern stage through first sample to final Stage inspection before despatch.
4. Metallography test, physical testing and NDT testing, Hydro Test etc.
Material can be despatched only after acceptance of our chief of quality control with respect to above quality plan.

SHREE HANS ALLOYS LIMITED
An ISO 9001-2000 certified company (Established-1984)

Reg. off. & Plant :
201,202,203, G.I.D.C., Dholka : 387 810, Ahmedabad, INDIA.
Phone : 91 - 2714 - 248350, 248251 FAX : 91 - 2714 - 248349

Corporate Office :
"Sangath", B/h State Bank of INDIA, C.G.Road Branch, Navrangpura, Ahmedabad - 380 009, INDIA
Phone : 91 - 79 - 2656 4146 Fax: 91 - 79 - 2656 5425
E mail : inquiry@hansalloys.com URL : www.hansalloys.com

CASTING THE FUTURE®

SHREE HANS ALLOYS LIMITED
An ISO 9001-2000 certified company

Company Overview

Established in 1984 with a view to manufacture highest quality castings available at very competitive prices and provide prompt delivery to all customers in India and abroad. The Company manufactures products for customers who expect perfection.

Today the Company has earned a reputation in Pumps Industry, Valves Industry, Mining and Mineral Industries by setting high business standards, in depth engineering knowledge and experience, with a solemn commitment to maintain the highest quality standards and just-in-time delivery.

We constantly aim to improve our products & services to meet our customers' specific requirements. We, at our end are bringing continuous improvement to all areas, including our processes, engineering know-how, product development & innovation, as well as the expertise of our workforce. We keep in close contact with our customers, suppliers & logistic partners to help achieve this.

We know our markets well & have what it takes to cope with the constant growth in requirements. With the skill & professionalism of our workforce, we can meet the challenges of rising product demands & also give our customers a competitive edge. Our highly motivated team is one on which our customers can totally rely.

Manufacturing Facilities

- **PATTERN SHOP** Well equipped pattern shop for wooden/metallic patterns
- **MOULDING SHOP** Equipped with Pneumatic rammers & Sand compactors for hand moulding, employing Sodium-Silicate, NO-BAKE Oil Systems.
- **MELTING SHOP** Equipped with "ELECTROTHERM" Make 750 KW & 350 KW Medium Frequency Induction Melting Furnace having Five Crucibles each of 2000 KGS, 1500 KGS, 750 KGS, 500 KGS & 200 KGS of nominal capacity.
- **HEAT TREATMENT SHOP** Equipped with 8' x 5' x 5', 6' x 5' x 4' electrical & 10' x 8' x 6'oil fired Heat Treatment Furnace with Air, Water & Oil Quenching Facility. Equipped with "ATHENA" Make microprocessor based Digital Temperature indicator with recorder & controller.

Material Specifications

- Carbon Steel Casting conforming to ASTM A 216 / 217 / IS: 1030
- Cr & Cr-Moly (Low Alloy) Steel Castings conforming to AISI: 5132/ Gs 40 Cr Mo12
- Austenitic Mn Steel Casting conforming to ASTM A 128/ IS : 276
- Wear Resistant (Ni Hard) Castings ASTM A 532 / IS:4771 / BS: 4844
- Nickel based super alloys like C Z-100, C Y-40, R-55, HASTE ALLOYS B & C etc.
- Heat Resistant Steel Castings (HRCS) conforming to ASTM A 297 Stainless Steel Castings like CF8, CF8M, CF3, CF3M, CA6NM, CD4MCu, CA15, CN7M etc. ASTM
- A 743 / 351 / 352 / IS: 3444
- Duplex Stainless Steel Castings as per ASTM A 995 / 890 / 487
- Special Alloy Castings as per the specific requirement of CUSTOMER
- All above specifications are also manufactured in their respective equivalent or nearest overseas standard also (ASTM, BS, DIN etc.)

- **FETTLING SHOP** Well equipped fettling shop with heavy-duty swing frame grinders (7 Nos.), Flexible Shaft Grinder (10 Nos.), Sanders (02 Nos.) Pneumatic Chippers & STEEL BLASTING MACHINE (48" TABLE SIZE), Sand Blasting Machine.
- **MACHINE SHOP** 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.
- **WEIGHT RANGE** : 20.0 kgs. to 2700 kgs./Piece.
- **CRANES** : 15 MT - 01No, 10MT - 01No, 05MT - 4Nos, 03MT - 3Nos, 2MT - 01No
- **DG SET** : 250 KVA GREAVES
- **CENTRIFUGAL CASTING MACHINE** for sleeves & Pipes : OD - 350 mm, L - 600 mm, OD - 90 mm, L - 1050 mm

RELIABILITY • PROMPT DELIVERY • CONSISTENT QUALITY • REASONABLE RATES