



SPACE ALLOYS PVT. LTD.



CASTINGS YOU CAN TRUST

- Built for Pressure, Delivered On Time



ABOUT US

Space Alloys Pvt. Ltd., established in 2011, is an **ISO 9001:2015**, **CE-PED**, and **NORSOK** certified, **IBR well-known** steel foundry specializing exclusively in high-integrity sand castings for industrial valve manufacturers.

With strong metallurgical expertise and integrated in-house capabilities, we deliver sound, dimensionally consistent castings that meet the demanding requirements of pressure-service applications. We manufacture Carbon Steel, Alloy Steel, Stainless Steel, Duplex & Super Duplex, and Nickel-Based Alloy grades for Gate, Globe, Check, Ball, Butterfly, and Control valves.

Focused on quality consistency, traceability, and committed delivery schedules, Space Alloys serves as a reliable casting partner for valve manufacturers across domestic and international markets.

CAPACITY HIGHLIGHTS

- Maximum single casting weight: **up to 1,750 kg**
- Installed capacity: **250 MT/month**
- Current production: **160 MT/month**

CERTIFICATIONS

- **ISO 9001:2015**
- **CE-PED**
- **NORSOK for 4A, 5A & 6A grades**
- **IBR Well-Known**
- **Marine Certificate**



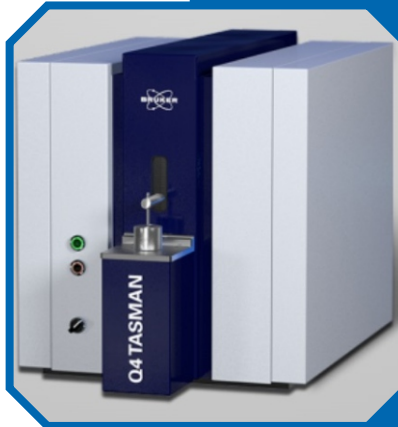


OUR IN-HOUSE KEY CAPABILITIES INCLUDE:

- ▶ **Melting** : Two induction furnaces with capacities of 2500 kg and 1000 kg.
- ▶ **Molding** : A no-bake molding facility featuring a continuous mixer with a 10-tons-per-hour capacity.
- ▶ **Pattern Management** : An on-site pattern shop offering repair and mounting services, complemented by an ERP-backed systematic pattern storage system with substantial space.
- ▶ **Heat Treatment** : A 4-ton capacity gas-fired heat treatment furnace equipped with a heat treatment graph facility.
- ▶ **Annealing** : A dedicated solution annealing facility is conveniently located adjacent to the heat treatment furnace, with temperature control through cooling tower
- ▶ **Surface Treatment** : Two Hanger-Type Shot Blasting Machines.
- ▶ **Material Handling** : A fleet of 5 electric overhead traveling (EOT) cranes, comprising one 10-ton crane, two 5-ton cranes, and two 3-ton cranes.
- ▶ **Finishing**: A fully equipped fettling shop for final processing.



IN-HOUSE QUALITY CONTROL SETUP DETAILS:



- ▶ Optical Emission Spectrometer Fe & Ni base with 36 channels
- ▶ Tensile Machine 20-ton load capacity
- ▶ Impact Testing Machine
- ▶ Mold & Core Hardness tester
- ▶ Universal Strength Testing Machine
- ▶ Thickness Gauge
- ▶ Gaussmeter
- ▶ Qualified Welders
- ▶ Digital Hardness tester





IN-HOUSE NDT FACILITY:

- ▶ Approved in-house Radiography enclosure for Ir-192 & Co-60 Source
- ▶ MPT : Dry & Wet facility
- ▶ LPT
- ▶ UT is also performed in-house through an approved outsourced agency.



FOLLOWING ARE THE GRADES THAT WE MANUFACTURE:

ASTM STANDARDS

We Supply All Types of Castings in Machined & Unmachined Conditions in the Following Grades:

Carbon Steel	ASTM A216 Gr. WCB, WCC
Low Alloy Steel	ASTM A217 Gr. WC1, WC6, WC9
High Temp Application	ASTM A217 Gr. C5, C12, C12A
Low Temp Application	ASTM A217 Gr. WC1, WC6, WC9
Martensitic Steel	ASTM A217 GR. CA15
Stainless Steel	ASTM A351 Gr. CF3, CF3M, CF8, CF8M, CF8C CG3M, CG8M, CN7M, CK20, CK3MCuN
Duplex Steel	ASTM A890/995 Gr. CD4MCuN, 3A, 4A, 5A, 6A & 7A
Precipitation Hardening Steel	ASTM A747 Gr. CB7Cu1
Nickel Based Alloys	ASTM A 494 Gr. CU5MCuC, CW6MC, CW12MW (Hast Alloys)



PRODUCTS

Following are the types of Valve Components that we manufacture:



36" x 150 # GTV - WCB
100% Area RT at level 1



40" x 150 # GTV Body - WCB



16" x 600 # SCV
Body – WCB



16" x 300 # SCV Body
ASTM A 890 Gr. 4A



12" x 300 # SCV Body
ASTM A 890 Gr. 4A



10" x 600 # SCV
Body – WCB



28" x 300 # GTV
Body – WCB



36" x 150 # GTV
Body – WCB



10" x 600 # Control Valve
Body & Bonnet – C12A



18" x 600 # GTV Body & Bonnet – IBR – WCB



24" X 600 # BV FB Body & Side Piece - LCB



10" x 150 # Pot Body – C12



36" x 150 # GTV Body
ASTM A 995 Gr. 6A



10" x 900 # GTV Body
ASTM A 995 Gr. 5A



16" x 150 # Y Type
Strainer Body – WCB



4-1/16" x 5000 # GTV
ASTM A 487 Gr. 4C



3-1/8" x 5000 # GTV
ASTM A 487 Gr. 4C



12" x 600 # Ball
Valve Body – WCB



OUR CLIENTS



GREEN ENERGY COMMITMENT

At **Space Alloys Pvt. Ltd.**, responsible manufacturing is integral to our long-term vision. We have commissioned a **1.8 MW captive ground-mounted solar park** as part of our commitment to clean and sustainable energy.

This initiative supports our long-term business commitment to responsible production by reducing dependence on conventional power and enabling energy-efficient manufacturing for our customers.

Our solar investment reflects our dedication to building a sustainable future while delivering reliable industrial solutions.

Clean Energy • Responsible Production • Sustainable Future



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GSTIN : 24AAOCS6638M1ZN

Contact Us

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