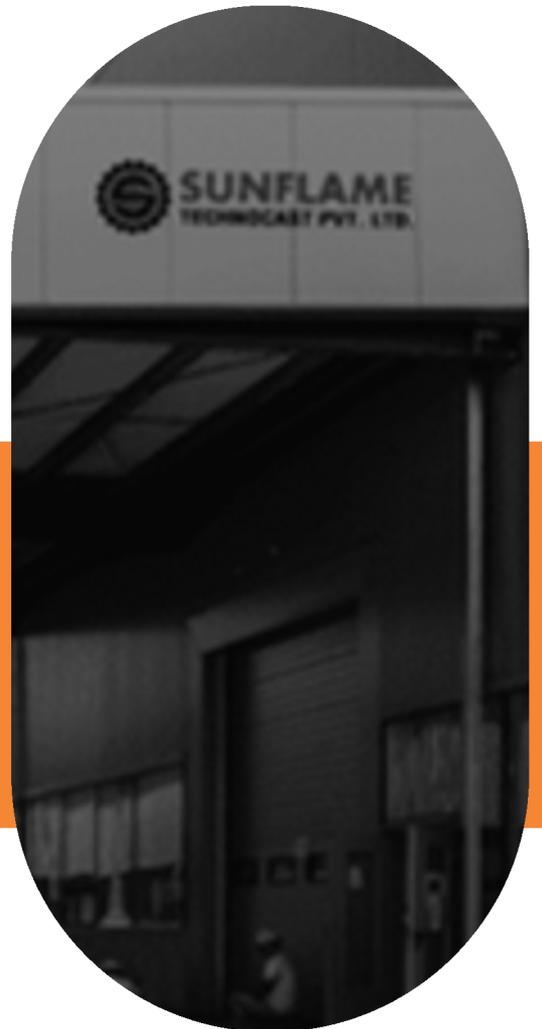




SUNFLAME
TECHNOCAST PVT. LTD.

LEADING MANUFACTURER

Sand Casting & Shell Casting





About us



Sunflame Technocast Pvt Ltd is an **ISO 9001:2015 certified company** based in Rajkot, India, specializing in high-quality sand and shell mold casting. As a leading foundry, we manufacture and export precision-engineered casting components for industries worldwide.

Our expertise includes rotating machinery casings, automotive parts, valve components, and industrial valves, using ferrous materials like stainless steel, alloy steel, carbon steel and super alloys.

We ensure international quality standards and strict dimensional tolerances, delivering durable, high-precision casting solutions.

Our Statistics

150 MT

Per Month Capacity

100%

Quality Assured

50+

Team Members

22+

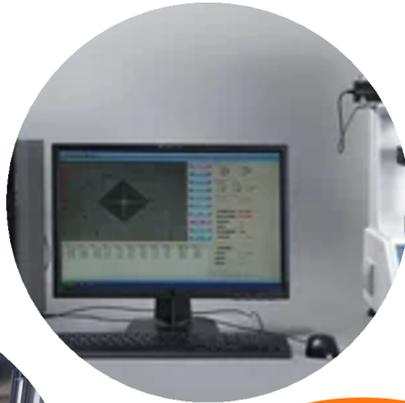
Customer





Manufacturing Process

Computerised Analysis
(Spectrometer)



Tool Design /
Build



Packing &
Packaging



Pouring of
Molten Metal



Manufacturing
Process



Mechanical testing
& Inspection



Machining



Modern Heat
Treatment plant



Our Products

Shell Mould Components



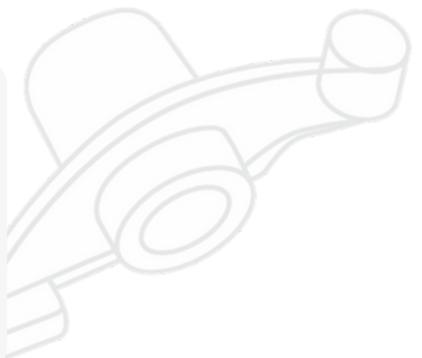
Industrial Valves



Pump



General Engineering





Our Products

Marine



Rail component



Food Machinery Component



Gears





Testing Facility



1. SAND TESTING AND ANALYSIS:

- AFS Analysis
- Permeability Testing
- Compressive Strength Testing
- Clay Content Test



2. SPECTROMETER TESTING:

- Model: Spectromaxx
- Base Materials: Fe & Ni
- Certified Reference Materials in:
 - Martensitic Steel
 - Austenitic Stainless Steel
 - Duplex Steel
 - Nickel Base Alloy
- Low Alloy Steel



3. CHEMICAL ANALYSIS:

- Complete raw material analysis through wet method testing.



4. PMI TESTING:

- Comprehensive material identification and testing.



5. MECHANICAL TESTING:

- Universal Testing Machine (UTM): 200 KN capacity
- Electronic Extensometer: 0.2% proof stress testing



6. IMPACT TESTING:

- Capacity: Up to 300 J
- Testing Temperature: Ranges from 20°C to -196°C



7. HARDNESS TESTING:

- Rockwell Hardness Tester
- Poldi Hardness Tester
- Brinell Hardness Tester



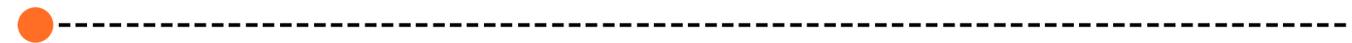
8. NDT FACILITY

- Dye Penetrate
- MPI
- Ultrasonic testing
- Radio graph(vector)



Certificate In Process

- PED 2014/68/EV
- AD 2000-MERKBLATT W0
- NORSOK M-650
- IBR
- MARINE (DNV)
- IATF 16949



Certificate

Standard **ISO 9001:2015**

Certificate Registr. No. **85 100 001 25012**

Certificate Holder:  **SUNFLAME**
TECHNOCAST PVT. LTD.

Sunflame Technocast Pvt. Ltd.
Survey No. 203, Block No. C, Iskon Industrial,
Plot No. 28 & 29, Gondal Highway, Ta - Gondal, Bhunava,
Dist. - Rajkot 360311, Gujarat,
India

Scope: **Manufacture of Graded Steel & Alloy Casting Components**

Proof has been furnished by means of an audit that the requirements of ISO 9001:2015 are met.

The due date for all future audits is 05-24

Validity: **The certificate is valid from 2025-06-04 until 2028-06-03.**
First certification 2025

  Bangalore, 2025-06-05

The Certification Body of
TUV Rheinland (India) Pvt. Ltd.
27/B, 2nd Cross Road,
Electronic City Phase 1,
Bengaluru - 560 100, India
CIN: U72501KA1996PTC020653

The validity of this certificate is subject to timely completion of Surveillance audits as agreed in the Contract.
The validity of the Certificate can be verified under www.tuv.com with the Identification No. 800007919





Material Table

ACI Designation	ASTM Designation	UNS	DIN/EN Equivalent	Wrought Approx. Equivalent
Carbon Steel:				
* WCB	A216 WCB	J03002	* 1.0619	-
* WCB	A216 WCC	J02503	* 1.0625	-
Martensitic Stainless & Alloy Steel:				
WC1	A217 WC1	J12524	1.5419/G20Mo5	-
* WC6	A217 WC6	J12072	* 1.7357/G17CrMo5-5	-
* WC9	A217 WC9	J21890	* 1.7379/G17CrMo9-10	-
* C5	A217 C5	J42045	* 1.7365/GX15CrMo5	-
* C12	A217 C12	J82090	1.7386/X12CrMo9-1	-
C12A	A217 C12A	J84090	1.4903/X10CrMoVNB9-1	-
Erritic & Martensitic Alloy Steel:				
* LCB	A352 LCB	J03003	1.1131/G17Mn5	-
* LCC	A352 LCC	J02505	* 1.6220/G20Mn5	-
LC1	A352 LC1	J12522	1.5422/G18Mo5	-
LC2	A352 LC2	J22500	1.5636/G9Ni10	-
LC2-1	A352 LC2-1	J42215	1.6781/G17NiCrMo13-6	-
* LC3	A352 LC3	J31550	* 1.5638/G9Ni14	-
LC4	A352 LC4	J41500	-	-
CA6NM	A352 CA6NM	J91540	1.4313/GX4CrNi13-4	-
Martensitic Stainless Steel:				
* CA15	A217 CA15	J91150	1.4011/GX12Cr12	Wrought Approx. Equivalent
CA15M	A743 CA15M	J91151	-	Wrought Approx. Equivalent
CA40	A743 CA40	J91153	1.4027/GX20Cr14	Wrought Approx. Equivalent
CA6NM	A743 CA6NM	J91540	1.4313/X4CrNi13-4	Wrought Approx. Equivalent
CB7Cu-1	A747 CB7Cu-1	J92180	1.4540/GX4CrNiCuNb16-4	Wrought Approx. Equivalent
CB7Cu-2	A747 CB7Cu-2	J92110	-	Wrought Approx. Equivalent
Austenitic Stainless Steel:				
* CF3	A351 CF3,CF3A	J92700	* 1.4309/GX2CrNi19-11	AISI 304L
* CF8	A351 CF8,CF8A	J92600	* 1.4308/GX5CrNi19-10	AISI 304



Material Table

ACI Designation	ASTM Designation	UNS	DIN/EN Equivalent	Wrought Approx. Equivalent
Austenitic Stainless Steel:				
* CF3M	A351 CF3M,CF3MA	J92800	* 1.4409/GX2CrNiMo19-11-2	AISI 316L
CF8M	A351 CF8M	J92900	* 1.4408/GX5CrNiMo19-11-2	AISI 316
* CF8C	A351 CF8C	J92710	* 1.4552/GX5CrNiNb19-11	AISI 347
CF3MN	A351 CF3MN	J92804	1.4404/GX2CrNiMo17-12-2	AISI 316LN
* CG3M	A351 CG3M	J92999	-	317L
* CG8M	A351 CG8M	J93000	1.4412/GX5CrNiMo19-11-3	AISI 317
* CK20	A351 CK20	J94202	1.4843/X16CrNi25-20	AISI 310H;310S
CF20	A743 CF20	J92602	1.4312/GX10CrNi18-8	-
CT15C	A351 CT15C	N08151	1.4859/GX10NiCrNb32-20	INCOLOY 800H
* CH20	A351 CH20	J93400	1.4581/GX5CrNiMoNb19-11-2	305
Super Austenitic Stainless Steel:				
* CK3MCuN	A351 CK3MCuN	J93254	1.4547/X1CrNiMoCuN20-18-7	254SMO
CN7M	A351 CN7M	N08007	-	-
CN7MS	A351 CN7MS	J94650	-	-
* CN3MN	A351 CN3MN	J94651	1.4529/X1NiCrMoCuN25-20-6	AL-6XN
Duplex & Superduplex (Austenitic-Ferritic) Stainless Steel				
CD4MCu	A890-1A	J93370	1.4593/GX3CrNiMoCuN24-6-2-3	-
* CD4MCuN	A890-A995 1B	J93372	1.4517/GX2CrNiMoCuN25-6-3-3	-
CD3MCuN	A890 1C	J93373	-	-
CE8MN	A890-A995 2A	J93345	-	-
CD6MN	A890-A995 3A	J93371	-	-
* CD3MN	A890-A995 4A	J92205	1.4470/GX2CrNiMoN22-5-3	DUPLEX 2205
* CE3MN	A890-A995 5A	J93304	1.4469/GX2CrNiMoN26-7-4	SUPERDUPLEX 2507
* CD3MWCuN	A890-A995 6A	J93380	-	ZERON 100



Industries Served



Valve



Pump



Fire Fighting



Automobile



Aircraft



Aerospace



Agriculture



Automotive



Defence



Gas Turbine



Food & Dairy



Material



Our Journey



2020: Beginnings

Ah, 2020 – the year Sunflame Technocast Pvt Ltd's idea was born with a dream. We have a clear vision to bring trusted sources into the casting world.



2021: Master in Quality

By 2021, we will have established ourselves as a master in quality. Even our team masters the art of meeting deadlines. With the casting materials, we were casting relationships with clients!



2022: Bigger Dreams

In 2022 we have a dream and we expand our empire at the global level. We include cutting-edge testing methods. That makes sure we reach the global level standards.



2023: Innovation

In 2023, we decided to innovate and expand our services besides the sand casting manufacturer. After facing several challenges, in the end, we decide to master shell mould casting as well.



2024 and Beyond: expand our services

By 2024, Sunflame Technocast reached international levels, delivering quality sand casting and shell moulding to various industries. We're expanding our services next year.



Contact Us!



Marketing: 992-481-1655

sunflametechnocast.com

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Bhunava, Gondal, Gujarat 360311 / PH: 992-491-1655

