



TECHNOCAST PVT. LTD.

www.vimaxtechnocast.com



Assured Quality
Inspired Performance... for

Investment Casting

Proven Excellence by **Experience**



Vimax Technocast brings over 13 years of expertise in the investment casting industry, specializing in high-quality castings through the lost wax process. We serve various sectors, including valves, pumps, automotive parts, aerospace components, oil & gas, marine, and fire safety equipment.

Driven by innovation and problem-solving, our skilled team of engineers and machinists is dedicated to delivering exceptional value and satisfaction to our clients.



Advanced Technology:

Equipped with the latest machinery, our factory utilizes advanced techniques to deliver superior results.

Quality Control:

Every casting undergoes rigorous quality checks to meet the highest industry standards.



Skilled Workforce:

Our dedicated team of experts brings decades of experience, ensuring each project is executed flawlessly.

Sustainable Practices:

We prioritize sustainability, employing eco-friendly practices that benefit both our clients and the planet.



Tool Room

Our advanced tool room develops precise tools, calculating wax and metal contraction allowances for accurate dimensions.

We produce single and multi-cavity tools from durable aluminum, ensuring secure storage with clear identification.

Wax Injection

Well equipped setup with controlled atmospheric area.

We have Injection Machines Auto Press Semi Auto Press and Manual Press

Shell Building

High-strength refractory materials are used after thorough inspection.

Our facility features a rain fall sander, high RPM slurry mixer, slurry drums, uidized bed, and high axial fans for optimal processing.

To maintain ideal temperature and humidity, we have installed de-humidifiers, and a central air-conditioning system.

Melting

Induction furnace
250 kwh
Crucible capacity 300kg
Crucible capacity 100kg

Temperature of liquid metal measurement with pyrometer and controlled through temperature controller.

All equipment & temperature indicator, and controller are calibrated at regular interval.

We used t-spout ladle. capacity of ladle is 35kg, 50kg and 80kg.

Fettling

Knockout Facility
Lathe machine and Swing Grinding machine for Gate machining

Fiber Cutting and Pneumatic Grinding

Shot Blasting Machine - Rotary Table Type

Pickling and Passivation For Stainless Steel.

Heat Treatment

Furnace Details:

Fuel : Gas fire
Operating Temp: 1200° C
Calibration: API specification API-6D 25th Edition (Annx. H), API-6A (Annx. M) ASTM A991 (Volumetric Method)
Max Batch Capacity: 1000Kg
Thermocouples: 2 nos.
Agitation: Mechanical
Quenching Tank Capacity: 10000 Lt.
Max Quenching Time: 40 Sec.

Machining

Castings are machined in-house using advanced CNC and VMC machines.

We offer outsourced facilities for HMC and VTL machines tailored to meet our customer's specific requirement

This technology ensures precise dimensional accuracy and surface finish, meeting exact specifications outlined in customer drawings.

Inspection & Dispatch

Casting Inspected dimensionally to customer PO requirement.

Preformed NDE and NDT Activity according to customer requirement.

Visual Inspection 100%

Separate Location for Carbon Steel Casting & Stainless Steel Casting & other Alloys

Packing According to Customer Specification.

| Materials

Precision castings start with quality materials.

CARBON STEEL

WCB	A27 60-30
WCC	A148 90-60
LCB	105-85
LCC	

LOW ALLOY STEEL

A217 WC1	WC9
WC4	C5
WC5	C12
WC6	C12A

MARTENSTIC STEEL

CA6NM	LC3
LC1	LC4
LC2	CA15
LC2-1	CA40

AUSTENITIC STAINLESS STEEL

CF8	CH20
CF8M	CN7M
CF3	CG8M
CF3M	CG3M
CF8C	CN3MN
CF10	CK3MCuN
CK20	

NICKEL BASED ALLOYS

A494N12MV	CW6M
N7M	CW2M
M35-1	CW6MC
M35-2	CK2MW
CY40	Cu5MCuC
CW12MW	50Cr50NiNb

COBALT BASED ALLOYS

AMS-5387B
Stellite-6
Stellite-12

DUPLEX STEEL

CD4MCuN(1B)
CD3MN(4A)
CE3MN(5A)
CD3MWCuN(6A)

HEAT RESISTING STEEL

A297 HF
HH
HI
HK
HD

"We also offer custom casting to meet any specifications, including ASTM, BS, DIN, EN, GOST, JIS, IS, and more."



01
SPECTROMETER

FE and NI Base Spectrometer
having 27 elements with facility
of N analysis.



O2
UNIVERSAL
TESTING MACHINE

UTM capacity of 100 KN
Electronic Extensometer for 0.2%
Proof Stress.



O3 IMPACT TESTING

Capacity: 300 J max
Testing Temp: From 20°C to - 196°C



O4 HARDNESS TESTING

Rockwell Hardness Tester



O5 MICRO STRUCTURE EXAMINATION

Ferrite Testing as per
ASTM E 562 etc.



06 SURFACE ROUGHNESS TESTING

Surface quality N7 - N9
(Ra 1.6 - 6.3 μm).



AND MORE

RADIATION CHECK METER

CORROSION
TESTINGPMI
TESTING

DYE PENETRANT TESTING

MAGNETIC PARTICLE TESTING

RADIOGRAPHY TESTING

ULTRASONIC TESTING



Machining Facility



CNC Lathes

LMW
FANUC

Swing Over Dia. : 610 mm Max.
Turning Dia. : 500 mm Max.
Turning Length : 600 mm



Vertical Milling Centers

LMW
MITSUBISHI M80

X Axis : 800 mm
Y Axis : 440 mm
Z Axis : 490 mm
Forth axis rotatory table
(Dia. 200mm)(UCAM)



Horizontal Machining Centers

OKK
FANUC

Max. Swing Dia. : 1000 mm
Standard Turning Dia. : 800 mm
Max Turning Length : 1000 mm



Vertical Turret Lathes

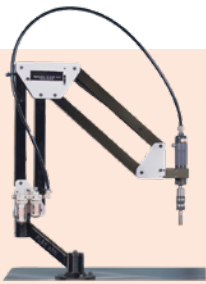
BFW
FANUC

X Axis : 1000 mm
Y Axis : 800 mm
Z Axis : 1000 mm



Conventional Lathes

Turning Dia. : 500 mm X Length 800 mm Max.



Hydraulic Tapping Machine

LMW
FANUC

X Axis : 1000 mm
Y Axis : 800 mm
Z Axis : 1000 mm
Forth axis rotatory table
(Dia. 300 mm)(UCAM)

Foundry Standards & Certifications

www.vimaxtechnocast.com



CERTIFICATE

Management system as per
ISO 9001 : 2015

The Certification Body TÜV NORD CERT GmbH hereby confirms as a result of the audit, assessment and certification decision according to ISO/IEC 17021:2015, that the organization

VIMAX TECHNOCAST PVT. LTD.
Plot No.01, Dwarakesh Industrial Estate,
Nr. Kuvadava, GIDC, N.H. No. 8B,
Rajkot - 360 003, Gujarat,
India

operates a management system in accordance with the requirements of ISO 9001 : 2015 and will be assessed for conformity within the 3 year term of validity of the certificate.

Scope :
Manufacture and Supply of Investment Castings.

Certificate Registration No.44 100 135189
Audit Report No.3.642272013

Valid from 09.10.2022
Valid until 08.10.2025
Initial certification 09.10.2013

Certification Body
at TÜV NORD CERT GmbH

Mumbai, 12.09.2022

TÜV NORD CERT GmbH Am TÜV 1 40307 Essen www.tuv-nord-cert.com
TÜV India Pvt. Ltd., Ramesh Plaza - 1, L.B.S. Marg, Chakrapur (W), Mumbai - 400 086, India www.tuv-india.com

IAF DAKS

Attachment:
Certificate Certificat@tuv-nord.de
Phone +49 201 8337132

Customer: For internal reference: 1022_pmg_Rev.06_2020.08



CERTIFICATE

Quality management system for material manufacturer
in accordance with the requirements of
Pressure Equipment Directive 2014/68/EU

Certificate No.:
0045/2021/1408/WO/2386/22

Name and address
of manufacturer:
VIMAX TECHNOCAST PVT.LTD
Plot No. 01, Dwarakesh Industrial Estate,
Near Kuvadava GIDC, N.H.8-B, Rajkot -360 003
Gujarat, INDIA

This is to certify that the manufacturer has implemented and applies a quality management system in relation to materials. This QM system has been subject to specific verification in accordance with the requirements of Directive 2014/68/EU, Annex I, point 4.2 in relation to the materials. The manufacturer is entitled to issue certificates of specific tests on materials in accordance with the Pressure Equipment Directive and the underlying technical specifications.

Test specification:
EN 764-5, section 4.2 & AD 2000 WO

Audit report No.:
812 080 4118

Range of products:
Investment Castings

Place of manufacture:
Plot No. 01, Dwarakesh Industrial Estate,
Near Kuvadava GIDC, N.H.8-B, Rajkot -360 003
Gujarat, INDIA

This certificate is valid until:
September 2025

01.08.2022

Attachment:
Certificate Certificat@tuv-nord.de
Phone +49 201 8337132

Customer: For internal reference: 1022_pmg_Rev.06_2020.08



Office of the Director of Boiler, Gujarat State
308 Floor, B. Block, Submersible House, Marolli W.3.3 Compound, Aharva, Gandhinagar
Ahmedabad - 380015
e-mail : officeofboiler@gujarat.gov.in, Web site : <http://www.boiler.gujarat.gov.in>

No. DOR/TECH/2024/CAG/2024-2025/001721 Date:01.07.2024

To,
Vimax Technocast Pvt Ltd,
Dwarakesh Inds. Estate, Plot no 1, Nv Kuvadva GIDC, N H 8B, Rajkot

Sub : Extension of Approval of your workshop for Foundry and Inhouse Laboratory for Chemical & Physical Testing for manufacturing of Castings under inspection of IBR - 1950 Code.

Ref 1. First approval letter no. AM/2022/2020001476 dtd.09.05.2022
2. Your application no. AM/2024/2020002144 dtd.07.06.2024
3. The official Investigation/2024/IBR/2024/001600 dtd.07.06.2024
4. Government of Gujarat Notification No. G.R - 2987 / 71 - I.D.A - 1099 - 1895 (1) - M - (1) dtd.31.08.2007

Sir,
With reference to above you submit & referred letter the approval granted to your firm for "Foundry and Inhouse Laboratory for Chemical & Physical Testing for manufacturing of Castings" under inspection of IBR - 1950 is extended for Two year more i.e. from 11/07/2024 to 10/07/2026, other conditions are remains same as per reference letter 1.

Online receipt No.278409 of Rs.60000.00 dtd.26.06.2024 for re-approval / renewal fees is received. Also you shall apply for renewal of license/registration at least two months before the expiry of valid period.

Yours Faithfully,
Signature valid
Digitally signed by Shri R. L. Patel
Date: 2024.07.01 11:05:20 IST
Reason: I am the author of this document.
Shri R. L. Patel
Director of Boilers,
Gujarat State, Ahmedabad.

Copy to: D.O.B / TECH/2024/CAG/2024-2025/001721 dtd.07.07.2024 Dated
Shri R. L. Patel, Deputy Director of Boilers, Rajkot Region for information & necessary action

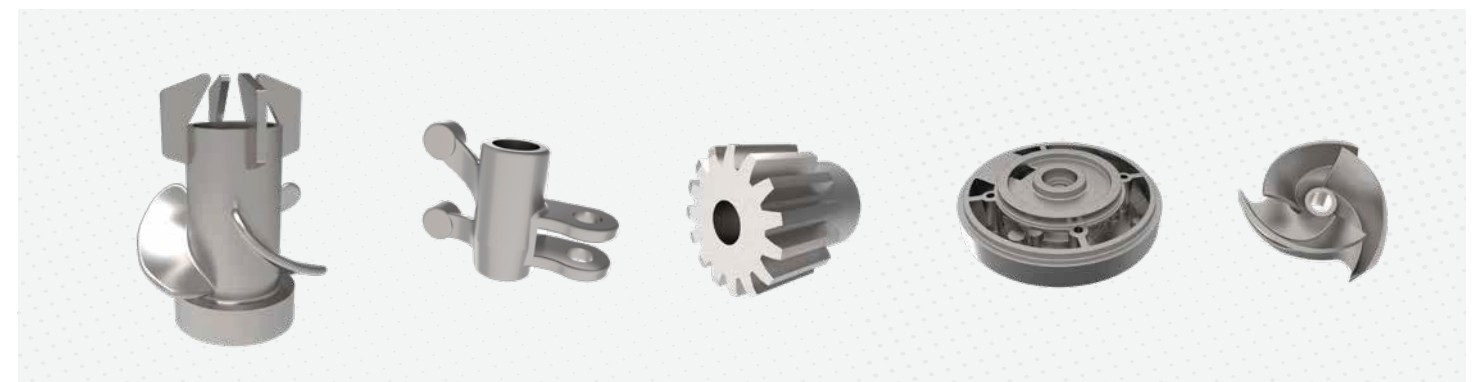
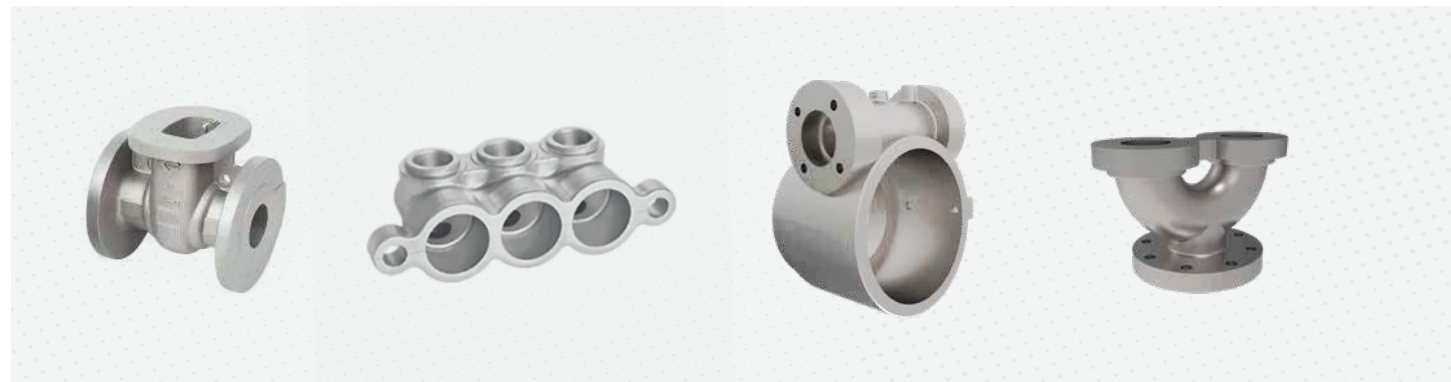
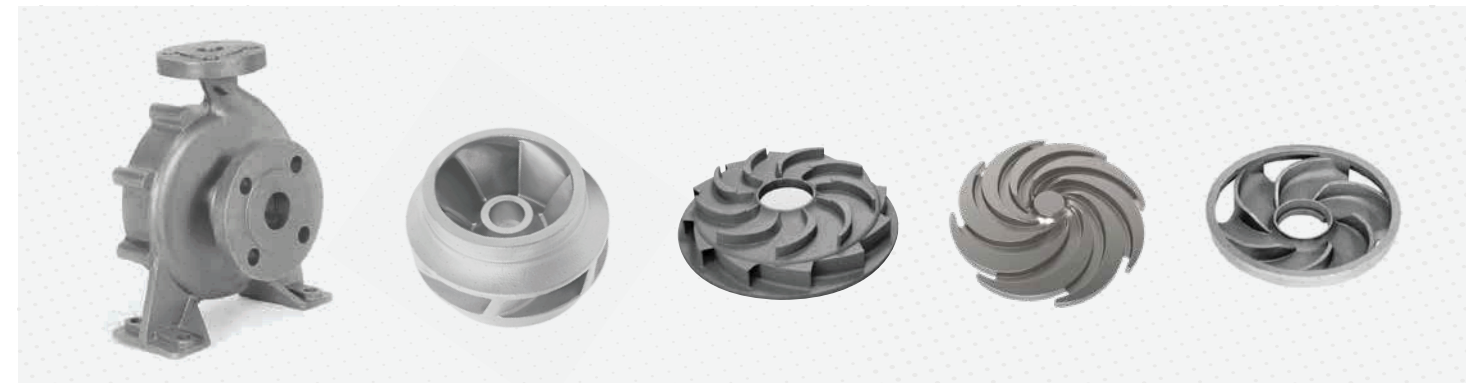
Our Strength

- Surface quality N7 - N9 (Ra 1.6 - 6.3 um).
- Tolerances according to IS 11166:1993 Class 2 and VDG specification P690 for investment casting.
- Weights from 40 Grams to 150 kg.
- Size of casting up to 900 x 900 x 450 mm.
- Cast in accordance with ASTM, BS, DIN, EN, GOST, JIS, IS specifications.



“ From **Valves** to **Aerospace components**,
our precision castings meet the unique demands of every sector. ”

- Valve & Pump
- General Engineering
- Food Processing
- Automobile
- Fire Fighting
- Aerospace & Defence
- Railway & Agricultural Equipments
- Construction & Mining
- Marine
- Human Implants
- Textile
- Electrical Engg.



| Our Global Presence

“ Proudly serving customers across the globe, delivering quality and precision everywhere. ”

3000+

Products

100000+

Successful Customer
Shipments & Counting

12+

Countries



| Renewable Energy Solar Plants

We believe in a sustainable growth strategy. For our state of the art foundry we use green solar energy. Our solar power plant has a production capacity of 1.5 MW and fulfills 60% of our power requirements.



Proven
Excellence
by **Experience**

www.vimaxtechnocast.com



TECHNOCAST PVT. LTD.

| Plant:

Dwarkesh Industrial Estate, Plot No. 1 & 2,
Near Kuvadva GIDC, NH-8B, Rajkot-360023,
Gujarat(India).

| Contact Person:

Mr. Chandresh Kotadia
+91 942 725 9535
mkt@vimaxtechnocast.com

| Website:

www.vimaxtechnocast.com