

About us:

The seeds of W TECHNOCAST were sown in 2021 with production capacity of 100 tons/month through lost wax investment casting with plant area 89000 Square Feet with all advance equipment.

W Technocast is ISO 9001:2015 certified company with team of well qualified and professional engineers, technicians and workers to satisfying customer requirements.

Our Vision:

We shall strive to be leaders in this business by offering castings of a world class quality and through constant technological innovation. We understand the needs of our customers and shall stay focused on them by offering products, service and solutions of the highest quality.

Our Mission:

1. To develop long-term business relationship with customers.
2. Poised to be global Investment Casting Manufacturer.
3. To grow steadily and becoming profitable gradually.

Our Strength:

1. On time delivery
2. Superior Investment castings quality adhering to various international standard and customer requirements.
3. Flexibility in planning and development of sample with shorter lead time.
4. Continuous training of our engineers and technicians for improved efficiency and quality workmanship.

Plant layout



Quality & Competitive

Why W Technocast?

Professionally managed Investment Casting Foundry

1. Flexibility for quantities – Large/medium/small series all can be produced.
2. Well qualified & experienced skilled staff.
3. Consistent Quality.
4. Shorter lead time for sample development.
5. Quick responses to inquiries/RFQs.
6. Specific project managers for large requirements.
7. Quick response to customer complain with CAPA.
8. Vision to grow with the customers & keep long term business relations.
9. W Technocast provides 3D Designing support & conversion of sand casting & fabricated parts to Investment casting so that there is saving in weight, Machining cost & better surface finish.
10. Hard earned customer loyalty is the reward for our attention to quality and our main focus to fulfil customer requirements. We pride ourselves on the skill and craftsmanship of our engineers and skill manpower and we back this up with an extensive rigorous, and fully documented quality system. Most of our employees are cross trained for various methods which means we can meet any delivery schedule or any rush requirement.



We like to take the challenges.

Technical Capabilities:

- 1 Casting Dimension Range : 500x500x500 (mm)
- 2 Weight Range: 0.010 Kilogram to 90 Kilograms/piece.

A Reputation of Excellence

Material Poured/Casted at W TECHNOCAST:

	ASTM	DIN
CARBON STEELS	A216 - WCB	1.0619
	A216 - WCC	
	A352 - LCC	1.1138
	A352 - LCB	
LOW ALLOYS STEELS	A217 - WC1	1.5419
	A217 - WC4	
	A217 - WC5	
	A217 - WC6	1.7356
	A217 - WC9	1.7379
	A217 - WC11	
	A217 - C5	1.7363
	A217 - C12	
MARTENSITIC STEELS	A743 - CA15	1.4008
	A743 - CA40	1.4028
	A743 CA-6NM	1.4313
HEAT RESISTING STEELS	A297 - HF	1.4825
	A297 - HH	1.4837
	A297 - HI	1.4846
	A297 - HK	1.4848
		1.4749
AUSTENITIC STAINLESS STEELS	A297 - HD	1.4823
	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
AUSTENITIC FERRITE DUPLEX STEELS	A351 - CF3MN	1.4435
	A351 - CD4MCu	
	A351 - CG6MMN	1.3964
SUPER DUPLEX STAINLESS STEEL	A351 - CK3MCuN	
	A890 - GR1A	
	A890 - GR2A	
	A890 - GR3A	
	A890 - GR4A	
	A890 - GR5A	
NICKEL BASED SUPER ALLOYS	A890 - GR6A	
	A494 - M-35-1	
	A494 - M-35-2	
	A494 - M-30-C	2.4365
	A494 - N-12MV	
	A494 - N-7M	
	A494 - CY40	2.4816
	A494 - CW12MW	2.4686
	A494 - CW6M	
	A494 - CW2M	2.4610
	A494 - CW6MC	2.4856
COBALT BASED ALLOYS	A494 - CX2MW	2.4602
	A494 - Cu5MCuC	2.4858
	A560 - 50Cr50Ni	
	A560 - 50Cr50Ni-Cb	2.4813
	A560 - 60Cr40Ni	
	STELLITE 3	
	STELLITE 6	
	STELLITE 21	
STELLITE 31		
	Triballoy T 400	

Other than above in general we can cast materials as per specific customer requirements on request.

★ Tolerances :

Tolerances VDG P690 Reference Standard

Nominal Size (mm)	D1 Tolerance (general dimensions)	D2 Tolerance (some functional dimensions)
0 to 6	± 0.15	± 0.12
6 to 10	± 0.18	± 0.14
10 to 18	± 0.22	± 0.17
18 to 30	± 0.26	± 0.20
30 to 50	± 0.40	± 0.31
50 to 80	± 0.45	± 0.37
80 to 120	± 0.55	± 0.44
120 to 180	± 0.80	± 0.65
180 to 250	± 1.20	± 0.95
250 to 315	± 1.30	± 1.10
315 to 400	± 1.80	± 1.40

Tolerances for straightness, flatness, parallelity, shape

Precision class	Length of the tolerated element		
	to 25mm	25 to 50mm	upto 50mm
	allowed difference		
D1	0.15mm	0.25mm	0.6%
D2	0.10mm	0.20mm	0.4%

Tolerances for angle values and right angles

Precision class	Nominal dimensions			
	to 30mm	30 to 100mm	100 to 200mm	upto 200mm
D1	allowed difference			
minute degree	30	30	30	20
mm / 100mm	0.87	0.87	0.87	0.58
D2	allowed difference			
minute degree	30	20	15	15
mm / 100mm	0.87	0.58	0.44	0.44

Surface quality according to ISO R 468, DIN 4769 and VSM 10321

	Ra	Rz	Rt
N9	6.3	23-32	25-38

Quality Assurance

Our Testing & Inspection Proves the Quality of our Castings.

Chemical Analysis:

1. In house spectrometer with 6 channels capable of testing Fe, Ni, Co Al based material and also Nitrogen content.
2. All heats are tested on-line on Spectrometer before pouring.
3. All the scrap used are also tested before using.
4. Specimens are stored for a particular period.

Physical Testing:

1. In house Universal Testing Machine.
 2. In house Hardness Testing Machine.
 3. In house Impact Testing Machine.
 4. In house Metallurgical Microscope.
 5. Specimens are stored for a particular period.
- All testing & measuring equipment are regularly calibrated.



Test Provided:

1. Chemical analysis
2. Tensile Test
3. Impact Test
4. Radiography (X-Ray)
5. DPT Test
6. Corrosion Test
7. MPT Test
8. UT Test
9. Microstructure.



A Reputation of Excellence

Dedicated Quality

Workmanship at

All Process stage

Process

1. Die (Pattern/Tool) are manufactured based on customer drawings & specifications using latest CAD/CAM facilities.
2. W Technocast provides technical support to its customer to develop cost saving and efficient products.
3. Wax pattern produced from the die are undergoes 100% visual and dimensional inspection.
4. The wax pattern after forming the tree of cluster undergoes the ceramic coating process. This process done in temperature and humidity controlled rooms, so that best dimensional accuracy and excellent surface finish is achieved.
5. After completing the coating process, the wax is removed by De-waxing process, which is done by putting the ceramic mould in the autoclave.

Team of skilled employees & Technicians for all Process.

Process:

- The ceramic moulds are baked at temperature ranging from 900° C to 1200° C depending on the geometry and size of the casting. The molten metal is then poured in backed ceramic moulds.
- The casting then undergoes fettling and finishing process such as gate cutting, gate machining and grinding Sand blasting, shot blasting, leaching, and deburring etc.



- The Castings then undergoes the heat treatment as per the material specifications.
- Heat treatment graphs and cycles are recorded and documented.

A Reputation of Excellence

- Heat treatment furnace is calibrated and certified under third party witness.



- All castings are subjected to 100% visual inspection and all critical dimensions are 100% inspected before packing and shipment
- W Technocast also supply casting in Machined Condition.

On time delivery with consistence in Quality is key to our success

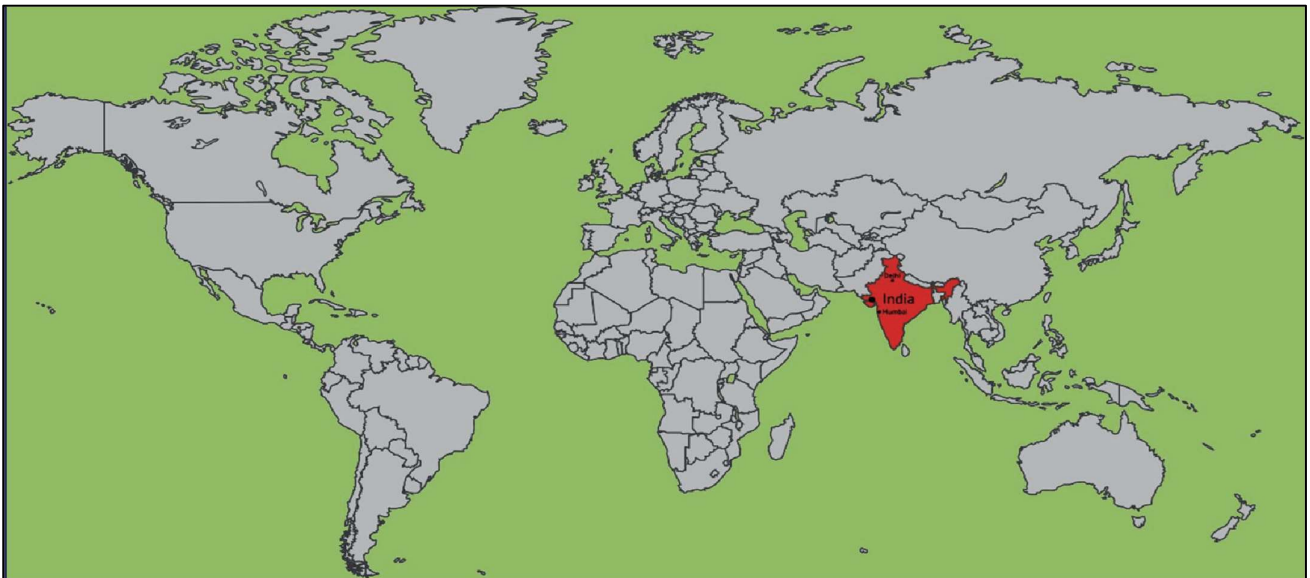
Industries served

W Technocast manufactures wide range of lost wax investment castings and supplying industries such as:

- Industrial Valves
- Process Pumps
- Power plant equipment's
- Boiler and Turbines Parts
- Aerospace
- Automobiles & EGR Parts
- Hard wares
- Fire Fighting Parts



A Reputation of Excellence

**W Technocast LLP**

Plot No. D 8 to 16, Shivam Industrial Park, Kalavad Road.

Village:- Chhapara , Ta:- Lodhika

Dist:- Rajkot – 360035

Gujarat , India

Website :- www.wtechnocast.com

E-mail :- info@wtechnocast.com

Contact : +91 70693 99000 / +91 99099 9900