



Bhumi Technocast Private Limited

- 📍 Mfg. of Precision Investment Castings
- 📍 Plot No. 29-34, Survey No. 148/1,
Jaynath Ind. Estate, Kotharia, Kotda Sangani Road,
Lothda - 360 002 (Rajkot Gujarat) INDIA.
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- 🌐 www.bhumitechnocast.com

A Venture by bhumi
GROUP OF COMPANIES





Manufacturing Precision Investment Castings A Quality Above & Beyond

Bhumi Technocast, one of the subsidiary company under Bhumi Group of Companies, was established in the year 2013. The company was formerly known as Meghmani Precision Castings Pvt Ltd. Our supply goes across the globe in countries like Israel, United States of America, Australia, Europe and UAE.

Established in
2013

Almost a Decade of
Quality Production
manufacturing

Approx 60%
of products are being
exported across the Globe





Widely spread in the industrial area of Rajkot, we are a renowned investment casting foundry managed by professionals for almost a decade with strong values and ethics. Our highly skilled and dedicated work force strives to meet the product quality that is at par with the international standards.

Spread in
27000 sq feet

Managed by
industry experts

Given jobs to over
125 people





Bhumi Technocast has been successfully delivering the top quality precision components with utmost commitment towards the needs of our customers in various industries. Our modest infrastructure and state of the art technology has been established to manufacture an ample capacity of Investment Castings every year.

Connected to more than **15 different industries**

More than **700+ products** are developed and counting

Manufacturing intricate castings **up to 100 Kilograms**

Supplying products to over **50+ industries** around the globe

Production capacity **720 MT per annum**

We manufacture Investment Castings in all ferrous metals such as Carbon Steel, Alloy Steel, Stainless Steel, Duplex Steel, Super Duplex Steel, Nickel and Cobalt based Alloys and many more as per the customer requirements. Our team endeavours to make additional efforts to serve our clients, and is always keen to take up new challenges and turning ideas into reality.





Vision

- Providing quality products at competitive prices to ensure customer delight
- Maintain the reputation for quality products & wide range of materials
- Achieve the growth along with our valued customers
- Constantly adding value to our brand through innovative solutions

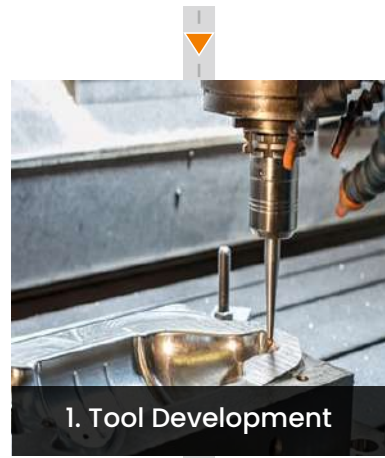
Values

- Becoming the market leader across boundaries
- Setting the highest benchmark for our quality, reliability and quick delivery
- Consistently learn and keep updated with the contemporary market
- Maintain a long lasting relation with our valued customers

Mission

- Holding to our strong ethics in terms of product quality and services
- Stay motivated to keep improving for better output
- Maintaining unity and strong connectivity within the organisation
- Undertaking social responsibility to help and create a better society





1. Tool Development



6. Shell Baking



7. Inspection of Chemical Composition



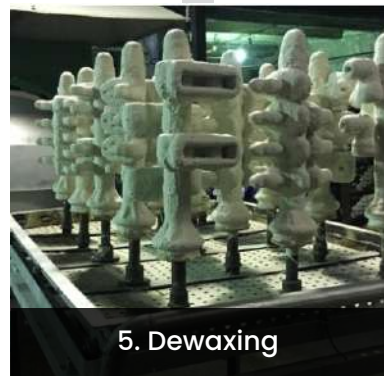
12. Heat Treatment



13. Machining



2. Wax Pattern Manufacturing



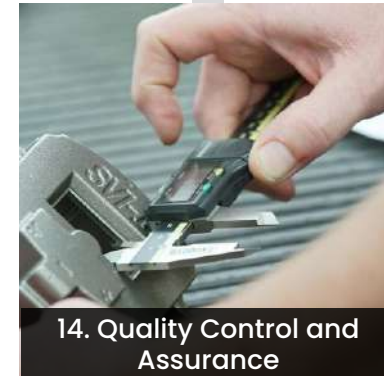
5. Dewaxing



8. Metal Pouring



11. Visual Inspection



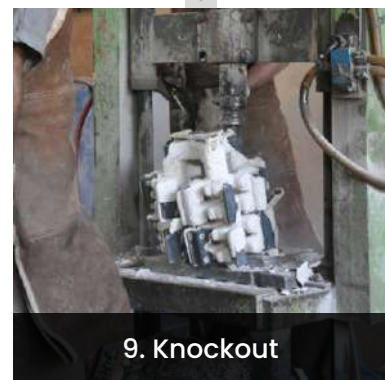
14. Quality Control and Assurance



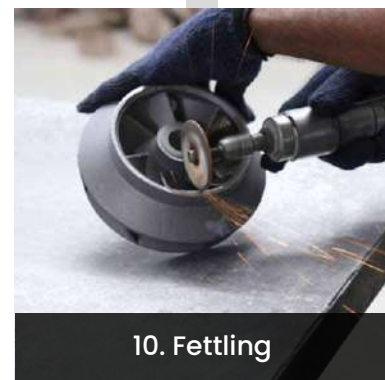
3. Wax Pattern Assembly



4. Ceramic Coating



9. Knockout



10. Fettling



15. Final Dispatch

Manufacturing Process

Bhumi Technocast has always been emphasizing in maintaining Quality and Productivity. To meet the high quality product standards, our experienced team takes utmost care during each and every step of manufacturing process.

Production Capability

- ▶ **3 Auto**
Injection Press
- ▶ **7 Manual**
Injection Press
- ▶ **350 kg & 150 kg**
Melting
Induction Furnace
- ▶ **2 Shot**
Blasting Machine

Machine Shop

2 Turning Center
1 Vertical Machining
Centre With Rotary Table

Supply Condition:

Raw Castings, Machined Castings, finished, assembled as per customer requirement.

Production Capacity:

60 MT per month

Manufacturing Capability

Investment Casting by Lost Wax Method
Precision Machining

Job Handling Capacity

- **Size:** Up to 700 mm length or diagonal
- **Piece Weight:** From 0.05 to 100 kg.
- **Surface finish:** Ra 3.2 to 6.3 micron

Material Offered

We offer various grades according to ASTM, AISI, DIN, EN, GOST, JIS and other international standards. Flexibility of selection from Austenitic Stainless Steel, Carbon Steel, Low Alloy Steel, Martensitic Stainless Steel, Duplex steel, Precipitation Hardened Steel, Nickel based alloys, Ferric steel and any specific requirements.

Value Addition

- Fully Machined Components
- Product Assembly
- Any type of specific Heat Treatment

Additional Tests

Surface roughness test, salt spray test, IGC practice A, B, C & E, G8 test, impact test, Bending tests as per requirements.

Coating

Zinc Coating, Pickling & Passivation, Electro-Polishing, Zinc And Manganese Phosphating as per Specific Standards, Mirror/ Matte Polishing, Liquid Painting, Powder Coating.



Chemical Analysis:

- In house spectrometer with 20 elements capable of testing Fe, Ni, Co, Al based materials and also Nitrogen content.
- All heats poured are tested on-line on Spectrometer.
- All the scrap used are also tested before using.
- Specimens are stored for period.

Physical Testing

- Universal testing machine
- Hardness testing machine
- Impact testing machine
- Metallurgical microscope
- Magnetic particle inspection
- Liquid/Dye Penetrant test
- Coating Thickness Tester

Inspection / Testing

- Dimensional Inspection
- Custom gauging
- Surface Inspection
- CMM
- Equator
- Surface
- Roughness

Certifications

BTPL has acquired following certifications:-



NORSOK M-650



ISO 9001:2015



PED 2014/68/EU
AD 200-MERKBLATT W0

Industries We Serve



Valves



Pumps



Automotive



Defence



Marine



Aerospace



Agricultural



Nuclear



Railway



Scaffolding



Mining



Hardware
Fitting



Human
Implants



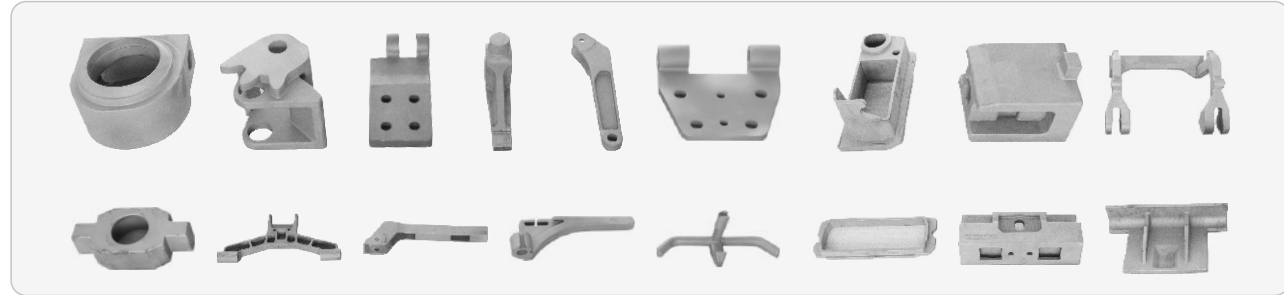
Pharmaceutical



General
Engineering



Defence & Aerospace



General Engineering



Pumps & Valves



Railway



Scaffolding And Formworks



Hardware Fittings



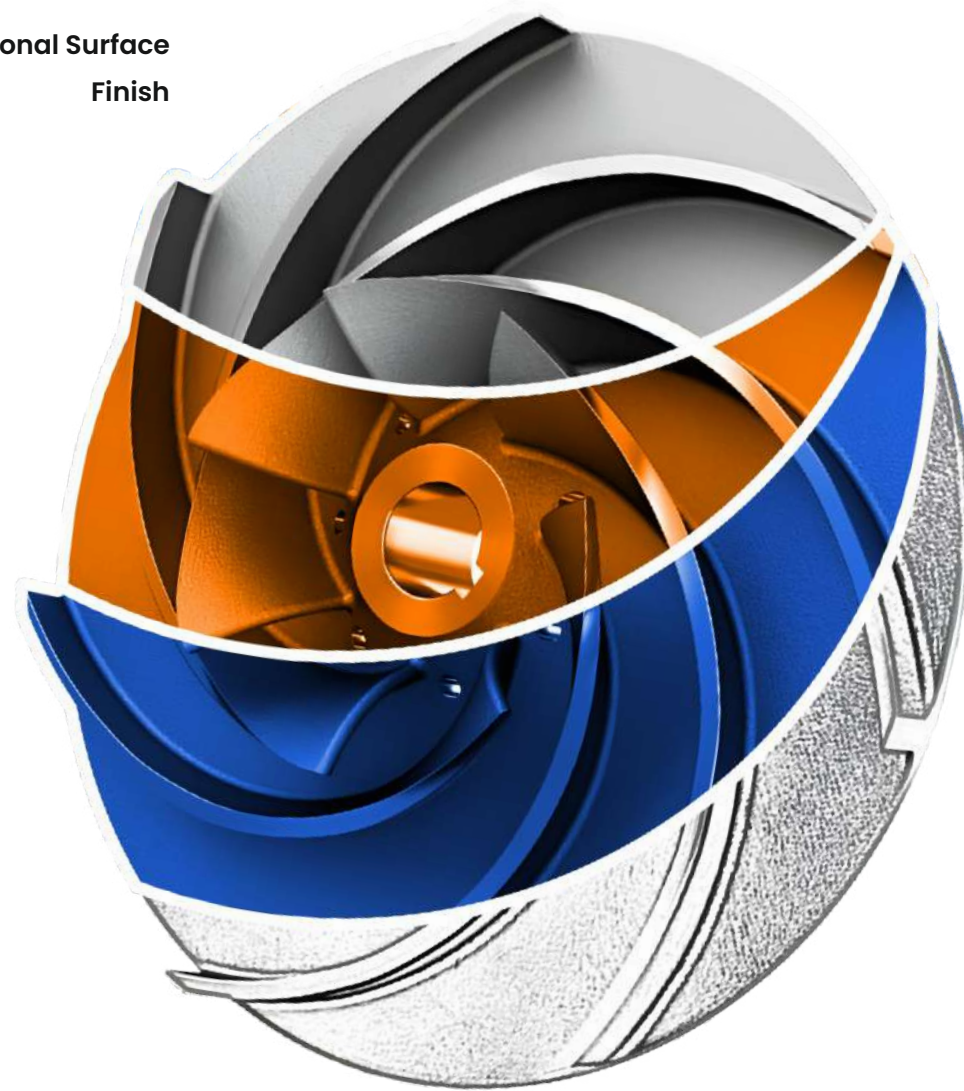


Process

Exceptional Surface
Finish

Tighter Tolerances and
Complex Passages

Near net Shape
Decreases the need of
Machining



Valued Clientele Across The Globe

BHUMI TECHNOCAST PVT. LTD. has vast customer base round the globe in various sectors like Pumps, Valves, Automobiles, Architectural Hardware, Defence, Railway, Marine and General Engineering Application. We manufacture and supply Castings and Machine Parts in Low Alloy Steels, Stainless Steels, Duplex Steels, Hastelloy, Alloy 20 and Nickel based Alloys standard specifications given by customers.

