



total SOLUTION of
investment CASTING



Manufacture of : Precision Casting, Investment (Lost Wax) Casting, of all Ferrous, Non Ferrous and Super Alloys...

Company profile

We, Captain Technocast Pvt. Ltd. are a leading manufacturer of INVESTMENT CASTING (Lost Wax Process). Our Investment Casting ultra modern Plant is established during year of 2011 in Shapar(verval) located at outskirts area of Rajkot City (Gujarat) India. Endowed with in-depth Knowledge, Innovative mind and 15 years' exposure to agricultural needs, he met with significant success. Soon followed CAPTAIN POLYPLAST LTD. doing business in Domestic & International markets.

CAPTAIN brand has earned covenant distinctions such as Indira Gandhi Priyadarshini Award, National Award for Quality & Udyog Patra Award. All group companies are ISO 9001:2008 certified.

We can take up manufacturing of Precision Investment Casting according to Drawing, Specification, Material & quantity detail and Sample provided by customer.

Total Land Area : 57000 Sq. Ft. **Production Capacity** : 500 Metric Tons / Annum

Constructed Area : 49500 Sq. Ft. **Job Handling Capacity** : From few grams to 150 Kg. Single Piece

We can take up the Investment casting in Metal/Alloys such as Stainless Steel, Alloy Steel, Carbon Steel, Nickel based Steel, Super Alloys, Aluminium Alloys, Copper based Alloys, Bronze Alloys and many other Ferrous & Non-Ferrous metals.

Our speciality in non-ferrous

Investment Casting Process



Tool Development

Tool established for making wax pattern

Wax Pattern Manufacturing

Output of wax injection from tool

Pattern Assembly

Attachment of pattern with feeders

Ceramic Coating

Application of coating with binder & stucco

De - Waxing

Removing wax from coated assembly

Shell Backing

Pre-Heating of shells

Induction Melting

Preparation of molten metal

Verification of Chemical Composition

Ensuring by Spectrometer

Pouring

Filling the shell with molten metal

Fettling

Detachment from feeders and surface finishing

Stress Relieving

Setting the homogenous structure of metal

Inspection and Testing

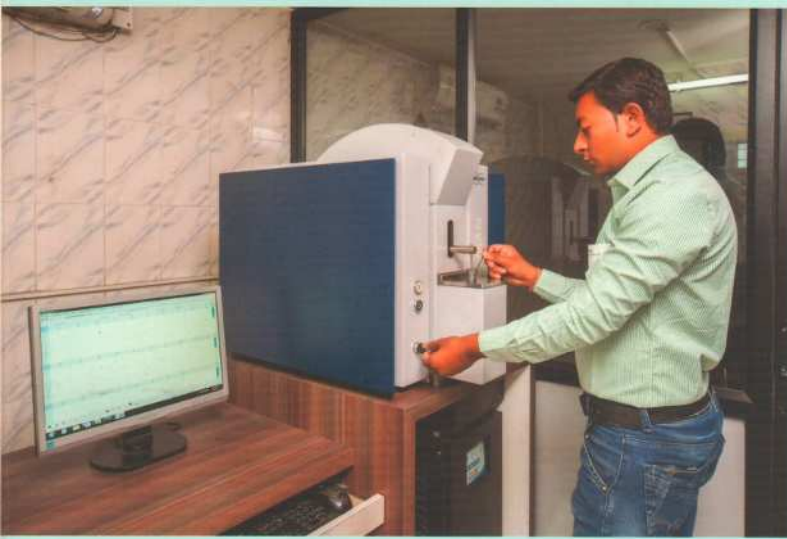
Verification of casting with customer's requirement

Quality Assurance

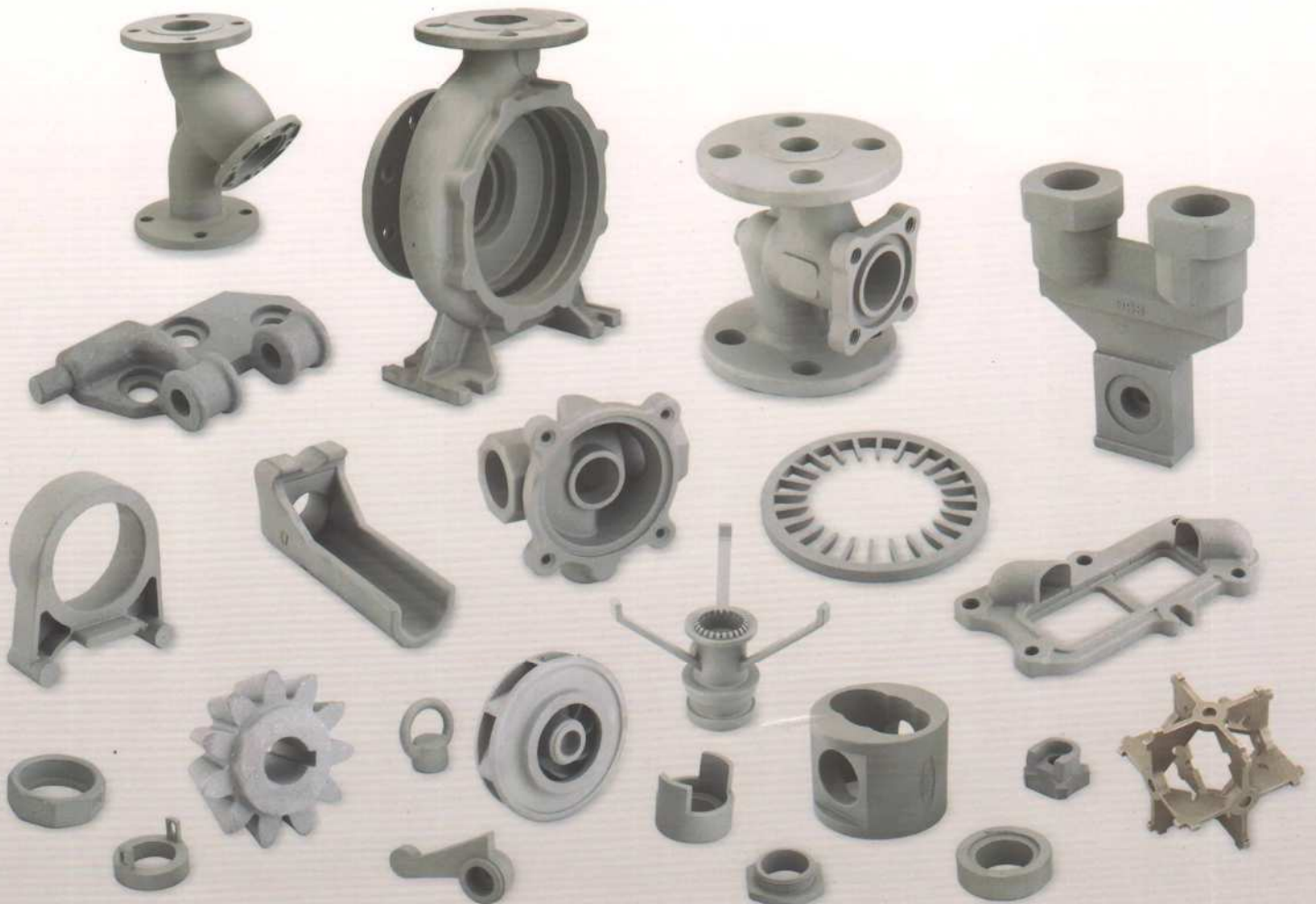
CERTIFICATE **TUV NORD**

Possible Testing

- | Management system as per
- | Chemical Composition
- | Tensile Strength
- | Hardness
- | Impact Strength
- | Radiography
- | Liquid Penetration
- | IGC
- | Magnetic Particle
- | Ultrasonic
- | Micrographic Examination
- | NDT Level-II Inspector for RT, DP, MPT & UT
- | WPS - PQR for minor weld - repair
- | Stage wise Quality Check
- | PPAP documentation for machined components
- | Strict quality control for incoming raw material
- | All measuring instruments



Our Few Products



Our Few Products



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Shapar (Veraval) - 360024, Dist. Rajkot. (Gujarat) India.
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