



**LOST WAX INVESTMENT CASTING**  
**FEINGUSS**  
**MICROFUSIONE**

  
**Achieve**  
Techno Cast Pvt. Ltd.

Ferrous & Non-Ferrous Precision Investment Casting

**A**chieve Techno Cast as manufacturers of Ferrous & Non-Ferrous Investment Castings using lost wax process. We are an ISO9001-2015, PED 97/23/EC, AD 2000 Merkblatt W0 & RDSO Certified company located in Rajkot, India, engaged in this business since 2005 & having the best experience in this field. We have well equipped foundry managed by well qualified & experienced personnel, same is supported by In-House testing facilities, and much more....

The company has earned reputation by providing castings to the various industries according to their stand requirement and also incustomized size, wide range of materials. Our primary goal is to satisfy our customers by delivering the highest quality components on time with competitive cost.

Our experienced professionals are involved for providing a superior product value, rather than just a low unit cost with assured quality within time frame.



## WHY ATCPL

- State-of-the-art manufacturing complex
- Flexibility for quantities - large / medium / small series - all can be manufactured.
- Well qualified, experienced & skilled employees.
- Wide choice of materials manufacturer.
- Consistent Quality.
- Quick responses to inquiries / RFQs.
- Vision to grow with the customers & keep long term business relations.
- Complete solution for supplying with Raw Casting, Machining, Heat Treatment, finishing with assembly condition also.



**Vision & Mission**

TO ACHIEVE  
DEFINITE LEVEL  
OF CUSTOMER  
SATISFACTION  
IN ALL THE  
MANNERS.



# MANUFACTURING Process



**TOOL DEVELOPMENT**  
Tool established for making wax patterns

1



**WAX PATTERN MANUFACTURING**  
Output of wax injection from tool

2



**METHODING**  
Attachment of patterns with feeders

3



**CERAMIC COATING**  
Application of coatings with binder & stucco

4



**DE-WAXING**  
Removing wax from Shell by auto-clave

5



**SHELL PRE-HEATING**  
Pre-Heating of shells

6



**MELTING**  
Preparation of liquid metal by induction furnace

7



**CHEMICAL ANALYSIS**  
Ensuring by Spectrometer

8



**POURING**  
Filling the shells with molten metal

9



**FETTLING**  
Detachment from feeders and surface finishing

10



**HEAT TREATMENT**  
Obtaining homogenous structure of metal

11



**INSPECTION**  
Verification of quality with customer's requirements

12

# PRODUCT CAPABILITY

**PLANT CAPACITY** 600 MT per annum

## Supply condition

Raw, finished, assembled or as per customer's requirement.

## Product Handling Capability

- Size: (LxWxH)  
700 mm X 700 mm X 700 mm
- Wall thickness: From 2.5 mm to 50 mm section.
- Weight: 0.010 kg to 100 kg/ piece.

## Value Addition

- Machining
- CNC Turning
- Milling
- Grinding
- Lapping
- Broaching
- VMC/HMC Machining

## Surface Treatment apart from Sand or Shot Blasting

- Acid Pickling & Passivation
- Electro Polishing
- Glossy / Satin Finish
- Zinc Plating (Silver, Yellow, Black)
- Powder Coating
- Phosphating Process

Certified for **Quality** PRODUCT



Certified By : ISO 9001 : 2015



Certified By : PED 2014/68/EU



Certified By : RDSO



Certified By : AD 2000-Merkblatt W0







# SOME OF OUR DEVELOPMENT



## SOME OF OUR DEVELOPMENT



RAILWAY PRODUCTS



GENERAL ENGINEERING



VALVE PRODUCTS



HARDWARE PRODUCTS

# QUALITY ASSURANCE

Our commitment to you...

We believe that our product performance can explain better than any other statements or testimonials. We would like to assure fulfillment of all your requirements before delivering the products.

## Possible Testing

- Chemical Composition
- Hardness
- Magnetic Particle Inspection
- Micro-graphic Examination
- Tensile Strength
- Radiography
- Micro-structure
- Ultrasonic Testing
- Impact Strength
- Dye / Liquid Penetration
- IGC
- Hydro Testing
- Radioactive contamination testing
- Nil Ductility Testing (Fracture Toughness Test)

## Laboratory Equipped With

- Bruker Germany made Optical Emission Spectrometer & CRM Samples.
- Universal Testing Machine with Extensometer with 20 Tonne Capacity
- Impact Testing Machine
- Brinell Hardness Tester
- Rockwell Hardness Tester
- Nil Ductility Testing Machine (Fracture Toughness Test)
- Profile Projector RPP 250D
- -70° C Cold Chamber for Test Bar
- Broaching Machine for Impact Test Bar
- X-Ray Film Viewer
- Measuring Instruments & Gauges
- Microscope

**CASTINGS CAN ALSO SUPPLY  
UNDER THIRD PARTY  
INSPECTIONS**



Expanding Global Network . . .



## **Achieve Techno Cast Pvt. Ltd.**

Registered Office & Factory

N. H.27, B/H. Vikas Stove, Survey No. 237, Plot No 9A, 15 & 15A,  
Veraval (Shapar), Ta: Kotda Sangani, Dist.: Rajkot-360 024, Gujarat, India.

Telephone: +91-2827-252952, Fax: +91-2827-252892

Website: [www.achievethechnocast.com](http://www.achievethechnocast.com)

E-Mail: [sales@achievethechnocast.com](mailto:sales@achievethechnocast.com) / [info@achievethechnocast.com](mailto:info@achievethechnocast.com)