



Pouring Excellence in Steel



**Manufacturers of Alloy Steel Castings**

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[www.neocastalloys.com](http://www.neocastalloys.com)

# Introduction

- Neocast Alloys Pvt. Ltd. is a steel casting foundry located near Junagadh, in the highly industrialized state Gujarat in western part of India.
- Established in Year-2020, Neocast Alloys Pvt. Ltd. (NCAPL) is a one stop solution with the state of art infrastructure to cater all your castings requirements made through Investment (Lost Wax) process.
- NCAPL consists a team of highly qualified & experienced experts to deliver quality castings at par to customer's needs.
- NCAPL currently holds Certification under ISO 9001:2015 and PED 2014/68/EU – AD2000 W0 certification.
- We are having in-house facilities for critical processes like Heat Treatment, different types of Destructive & Non-Destructive Testings(RT,DP,MT,UT) etc .
- With State of Art infrastructure, NCAPL has potential to be certified as per various national and international certifications according to prevailing standards (ex. IBR, NORSOK, CE, ABS, DNV-GL etc.)

## VISION :

We shall strive to supply world class quality products meeting customer's technical requirements within decided time frame. We shall achieve our goals through excellent team work, good work practices and technological innovation meeting all prevailing technical & legal standards.

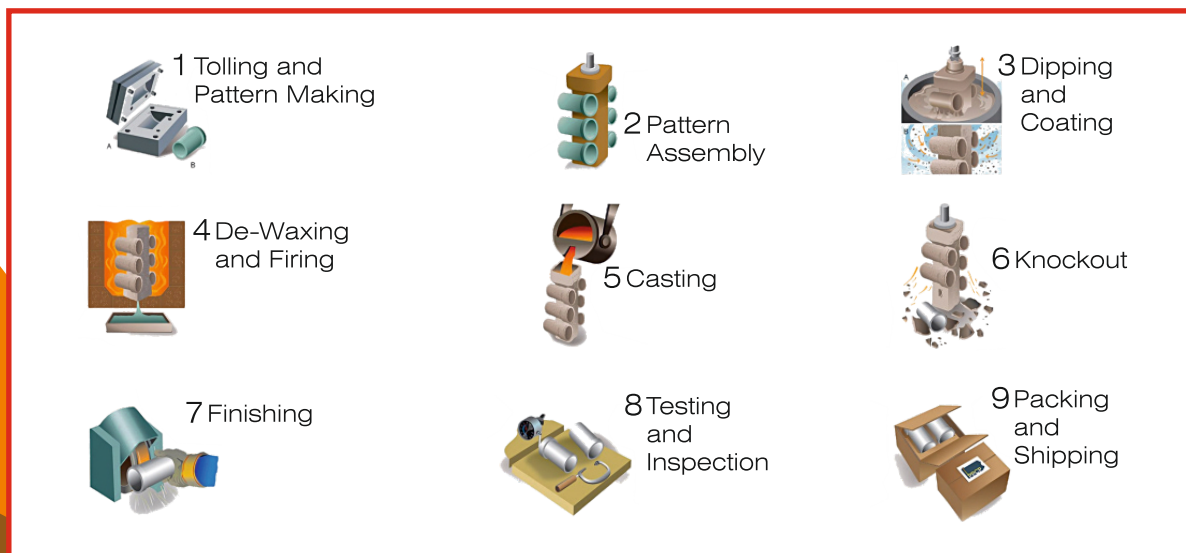
To manufacture casting, meeting customer's technical & quality related requirement with least possible internal rejection. To meet customer's time delivery schedule to maximum extent. To steadily develop business in domestic as well as international customers.

## MISSION:

- To develop long-term business relations with its customers.
- Poised to be Global Investment casting manufacturer.
- To grow steadily and becoming profitable gradually.

# Process

## Investment Casting



## Quality Assurance & Control

### Heat Treatment



- Well equipped Laboratory Setup
- Spectrometer : Bruker Qantron – Columbus Q6, Base: Fe, Ni
- Universal Testing Machine : 100kN (FIE) = 1 nos.,with Digital Extensometer
- Impact Testing Machine : 30 Joules (FIE) = 1 nos.
- Hardness Testing Machine : Brinell & Rockwell (FIE make) = 1 nos.
- Metallurgical Microscope = 1 Nos. (with Camera-Computer interface)
  - Sand Lab :
  - Sand Sieving Analyzer
  - Mould/Core Hardness Tester
  - Universal Strength Tester
  - Permeability Tester

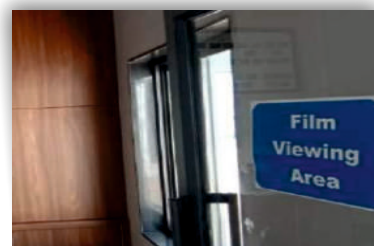




## Non-destructive Testing Facilities

NCAPL has all necessary in-house Non-Destructive Testing (NDT) facility and in-house expertise for such Critical quality control process.

- Radiography Enclosures with provision of Ir-192 & Co-60 and X-Ray sources with necessary support facility
- RT Film Digitizer
- Liquid Penetrant Testing setup
- Magnetic Particle Testing Test bench Setup with De-magnetizer  
(Capacity : Combined Field : 4000Amp Circular, 7.5 KAT Longitudinal; Also Prod Type and Cable-Wrap type testing can be done)
- Ultrasonic Testing (Equipment : Modsonic Make – Da-Vinci Alpha, with all necessary probes and calibration probes)





# Process

## ➤ Die & Pattern Storage



## ➤ Wax Pattern Injection & Pattern Assembly



## ➤ Slurry Coating & Shell Drying



## ➤ Shell Baking Melting & Pouring



## ➤ Material Testing Laboratory



# Quality Assurance Certification



**ISO 9001 : 2015  
Quality Management  
System**



**European Union  
PED 2014/68/EU**



**European Union  
AD2000-Merkblatt WO**

## Technical Capabilities

We pour different grades of Ferrous & Non Ferrous metals as below mentioned

Carbon Steel	: WCB, WCC, LCB, LCC
Low Alloyed Steel	: WC6, WC9, CA12, CA12A
Martensitic Steel	: CA15, CA40, CA6NM
Heat Resistant Steel	: HF, HH, HI, HK, HD
Austenitic Stainless Steel	: CF8, CF8M, CF3, CF3M, CF8C, CF10, CK20, CH20, CN7M, CG8M, CG3M
Austenitic Duplex Stainless Steel	: CD4MCU, CG6MMN, CG3MN, CK3M CuN
Super Duplex Stainless Steel	: Gr.4A, Gr.5A, Gr.6A
Nickel Based Super Alloys	: CY40, CW6MC, CW12MW, CX2MW, Cu5MCuc, 50Cr50Ni
Copper Based Alloys	: M-31-1, Gun Metal, AB2, PB2

# Products

## ➤ Steel Plant Components



## ➤ Industrial Pump Components



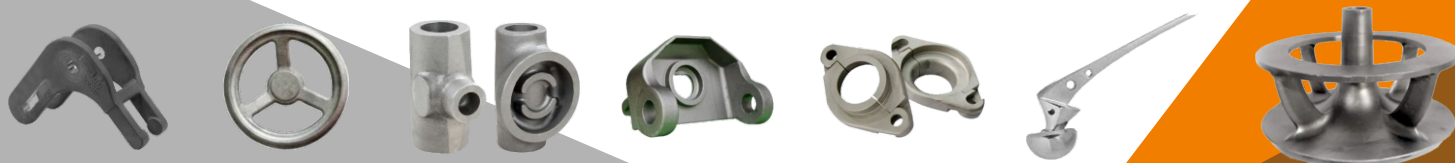
## ➤ Industrial Valve Components



## ➤ Marine Engineering



## ➤ General Engineering Industry







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