

**PRECISION
IN CASTING
EXCELLENCE
IN EVERY
EXPORT**





About us

Bhumi Precision was built on a simple belief: a component is never just a piece of metal. It's a promise of precision that holds up where it matters most.

Based in Rajkot, Gujarat, from 2020, we manufacture investment castings, forgings and precision-machined and Moulded components for customers across the United States, Germany, Finland, the United Kingdom and India.

We serve industries where precision is non-negotiable — oil & gas, pumps & valves, dairy equipment, cement and mining, automotive, Railways and general engineering applications — supplying components in carbon steel, alloy steel, stainless steel, duplex and super duplex steels, as well as nickel- and cobalt-based superalloys and wear resisting cast irons.

Our quality systems are certified to ISO 9001, PED and CE — but certifications only tell part of the story.

The rest is in how we work: fast and considered quotations with honest lead times. From your drawing to dispatch, you deal with one accountable partner — and a real engineer to talk to when it matters.

Single Source Manufacturing

Casting, forging, machining and finishing through one accountable partner.

Certified Quality

ISO 9001, certified systems, backed by in-house inspection.

Broad Capability

Components from 10 grams to 1 tonne, 50 MT every month.

Trusted Worldwide

Exporting to five countries across the US and Europe.





Our Vision

To Be The Partner That Global Manufacturers Trust First For Precision-engineered Components — Known Not For Our Size, But For The Precision, Reliability And Personal Commitment We Bring To Everything We Ship.



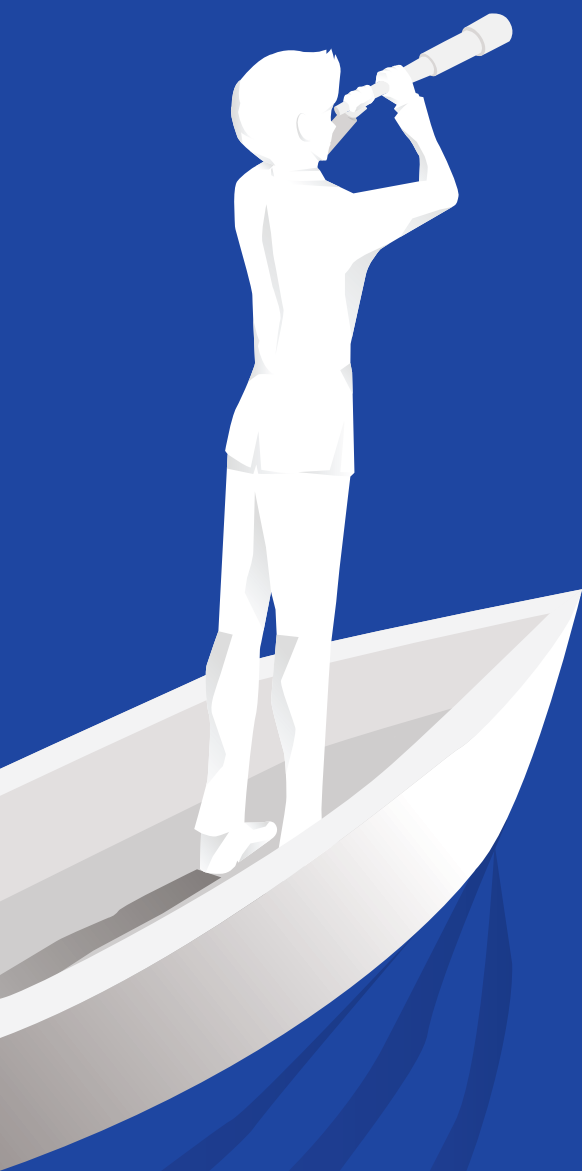
Our Mission

To Engineer And Deliver Castings, Forgings, Machined And Moulded Components Of Consistent, Certifiable Quality, Pairing World-class Precision With The Responsiveness And Personal Care Of A Partner Who Knows Your Business. Above All, To Be The Most Reliable Link In The Supply Chain — The Partner Our Customers Count On To Compete, Deliver And Grow.



Our Quality Commitment

Quality Isn't A Final Check — It's Controlled At Every Stage, From Incoming Raw Materials And Alloy Chemistry To Final Inspection. We Test In-house Where It Counts, Use Nabl-accredited Labs For Specialised Ndt, And Ship Every Component Fully Traceable And Certified.



Manufacturing Capabilities



⚡ Investment Casting

Weight : From 10 Grams To 100 Kg In Single Piece

Size : 800 X 800 X 800mm

(Special Case 1200 X 1200 X 800mm)

Tolerance : VDG P690 D2, IS 11166-1993 CLASS II,
ISO 8062-3 DCTG 6

Heat Treatment : to Custom or International Specification

Material Cast : Carbon Steel, Alloy Steel, Stainless Steel,
Duplex And Super Duplex Stainless Steel, Stellite & Inconel,
Wear Resisting Steel, Heat Resisting Stainless Steel Wear
Resisting Cast Irons & Aluminium.



⚡ Forgings

Close : Die forgings, Hammer Forging,
Ring Rolled Forging

Weight : 100 Grams to 50 Kg in single piece.

Materials : Alloy Steel, Carbon steel and Stainless steel.

Heat Treatment : to custom or international specification
Component manufactured as per your drawing
and specification



⚡ CNC Machining

10 CNC Turning Centres + 3 CNC Milling

Turning up to: 250mm Diameter X 500mm Length

Milling: 800mm X 500mm X 500mm

Cylindrical grinding: 250mm Dia X 1000mm Length

Swiss Machining for precision.



⚡ Sand Casting

Weight: 1 Kg To 1 Ton In Single Piece.
Size: 800mm X 800mm X 600mm
Moulding Using Hand Moulding,
Semi-automatic Moulding Lines & Co2 Moulding.
Tolerance: Iso 8062 DCTG 12
Heat Treatment To Custom Or International
Specification
Material Cast: Carbon Steel, Alloy Steel,
Wear Resisting Cast Iron.



⚡ Shell Moulding

Weight: 500 grams to 30 Kg in single piece.
Size: 400mm X 400mm X 400mm
Moulding using Resin Sand.
Tolerance: ISO 8062 DCTG 9
Heat Treatment to custom or international
specification
Material Cast: Carbon Steel, Alloy Steel,
Wear Resisting Cast Iron.



⚡ Plastic Injection moulding

Weight: 50 Grams to 2.5Kg in single piece
Materials: PP, PVC, PU, HDPE
Various Machines Having Clamping
Force From 100 To 350 Ton.
Insert Moulding Capability.



⚡ Polishing

Mirror Polishing For Sanitary And Aesthetic Applications.



⚡ Speciality Fasteners

We Manufacture Custom Fasteners For Variety Of Industry Segments As Per Specification



⚡ Value Addition

- Surface Protection Coatings · Heat Treatments · Assembly
- Sheet Metal work · Painting · Tool Design and Reverse Engineering.



One Journey, Every Route

Whichever process your component needs cast, forged, machined or molded it follows the same controlled path, with a quality gate at every critical step.

01 Enquiry & Feasibility Analysis

Drawing, specification and application reviewed for manufacturability, tolerances and the best route

✓ Quality Gate Drawing & Specification Review

02 Process & Material Selection

The right route and the right alloy or polymer for your part's service conditions.

03 Tooling & Sample Approval

Pattern, die or mould tooling developed; samples inspected and approved before production.

✓ Quality Gate Sample Dimensional & Material Report

04 Production By Your Chosen Route

Investment Casting

Wax Injection ceramic shell-melt & pour in our 300 kg Induction furnace

Sand Shell Casting

Moulding lines melt & pour

Forging

Billet heating closed-die, open-die or upset forging

Plastic Molding

Injection molding 50 g-2.5 kg Insert molding capable

✓ Quality Gate Spectrometer (oes) Analysis Of Every Heat Before Pouring

05 Heat Treatment

To custom or international specification, as required.

✓ Quality Gate Hardness Testing

06 CNC Machining

In-house turning and milling to final drawing dimensions.

✓ Quality Gate In-process Dimensional & Gauge Inspection

07 Surface Finishing

Polishing (incl. mirror / sanitary grade), painting, powder coating or plating.

07 Final Inspection, Certification & Dispatch

DPI / MPI and hydrostatic testing as required; CMM, RT & UT via NABL-accredited labs. Ships with EN 10204 3.1 certificates and full traceability.

✓ Quality Gate Drawing & Specification Review

Quality Systems

Quality, Built in at Every Stage

Our engineers are involved from enquiry to dispatch, choosing the materials and methods that ensure every component meets its drawing. We verify quality in-house where it counts and through NABL-accredited laboratories for specialised NDT – and every batch ships fully traceable and certified.

In-House Testing (Performed at our works)

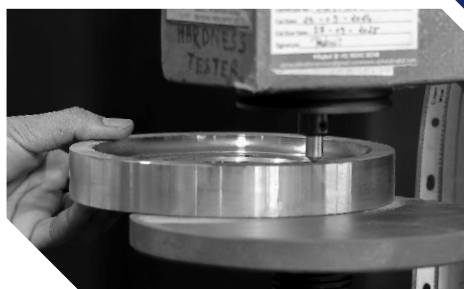
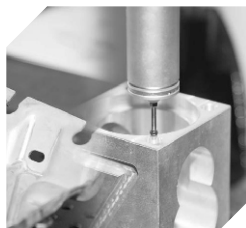
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|--------------------------------------|--------------------------------------|
| Spectrometer (OES) chemical analysis | • Magnetic particle inspection (MPI) |
| Dimensional inspection & gauging | • Hydrostatic / pressure testing |
| Dye penetrant inspection (DPI) | • Hardness testing |

NABL-Accredited Labs (Specialised NDT & testing)

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|--------------------------------------|----------------------------------|
| • CMM measurement & reports | • Tensile & impact testing |
| • Radiography (RT) & Ultrasonic (UT) | • Metallography / microstructure |

Documentation (With every order)

- | | |
|--------------------------------------|--------------------------------|
| • EN 10204 3.1 material certificates | • Heat & material traceability |
| • Inspection & dimensional reports | • Certificate of conformity |



Our Products





Industries We Serve



Automotive



Oil Field
Tools



Earth Moving
Equipment



Pumps Castings,
Impeller and
wear plates



Industrial valve
body and
its components



General
Engineering



Dairy
Equipment



Food Processing
Equipment



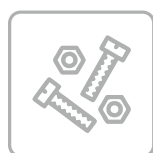
Cement and
Concrete
manufacturin



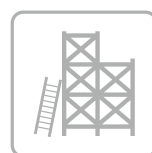
Crushing and
Shredding
Equipment



General
Engineering
Equipment

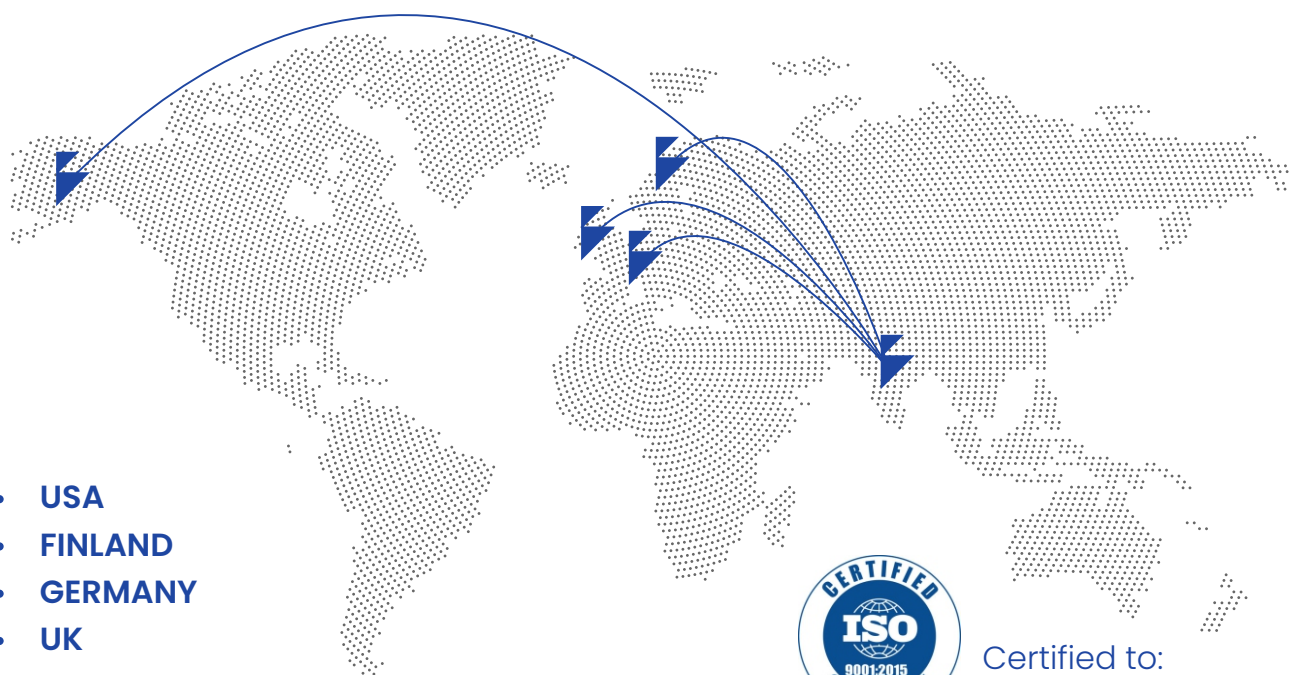


Speciality
Fasteners



Scaffolding and
Builders Hardware

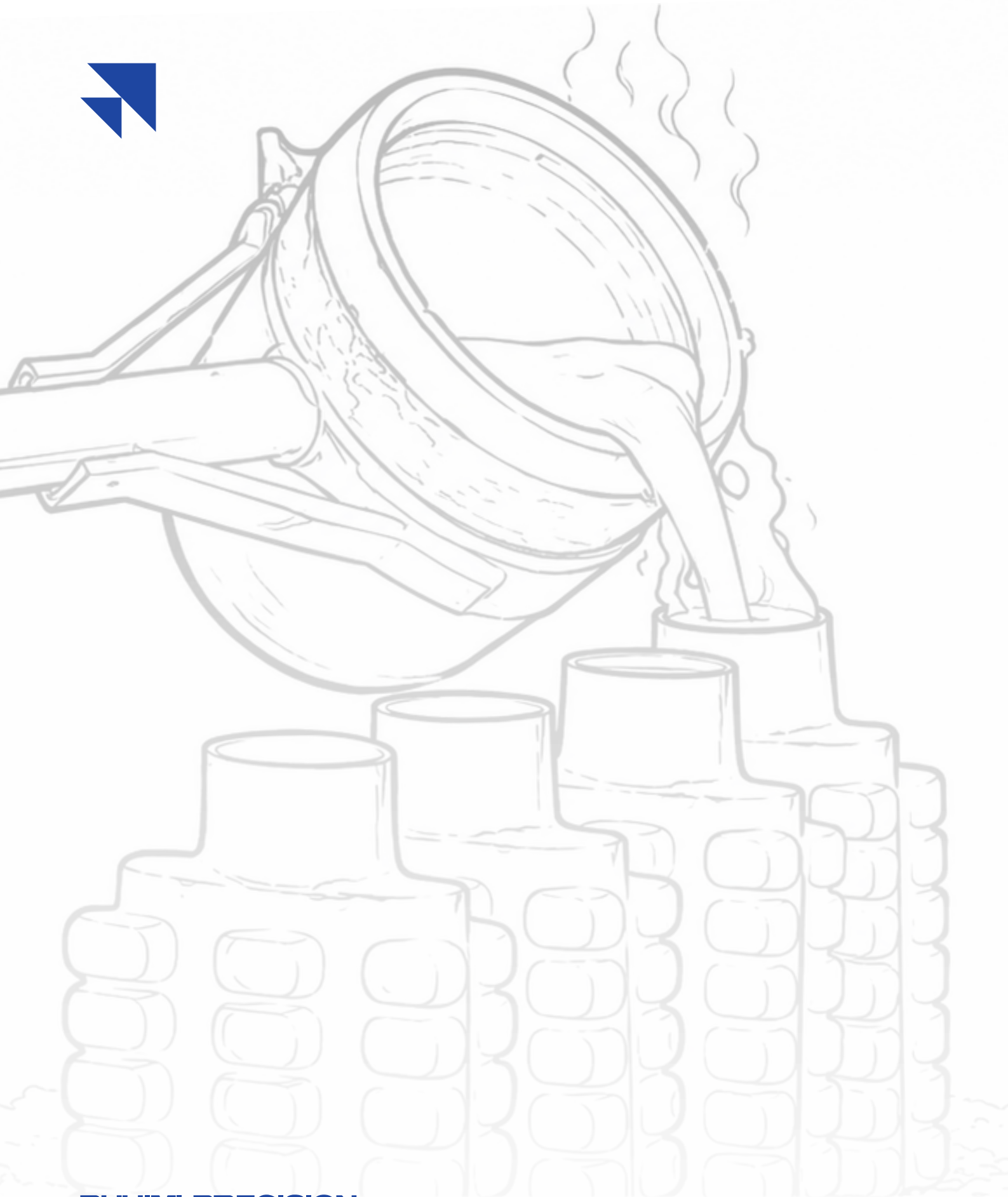
Clients Across The Globe



- USA
- FINLAND
- GERMANY
- UK
- INDIA



Certified to:
ISO 9001:2015



BHUMI PRECISION

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