

# voestalpine High Performance Metals India Pvt Ltd

## Corporate Presentation

# THE voestalpine GROUP

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- » voestalpine is a leading steel and technology group with combined material and processing expertise, holding global top positions in its business units.
- » The group focuses on product and system solutions based on steel and other metals of the highest quality in technology-intensive industries and niches.

# GLOBAL FOOTPRINT

## OUR BUSINESS IN FIGURES

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**500/50/5**

locations/countries/  
continents



**48,700**

employees



**11.3**

billion € turnover



**1.1**

billion € EBITDA

# THE DIVISIONS OF voestalpine

## Metal Forming

Revenue (M€) 2,553.9

Employees (full-time equivalent) 11,525

**GLOBALLY LEADING SUPPLIER** of highly refined sections, tubes and precision strip steel products, as well as of ready-to-install system components made of pressed, stamped and roll-formed parts

## Metal Engineering

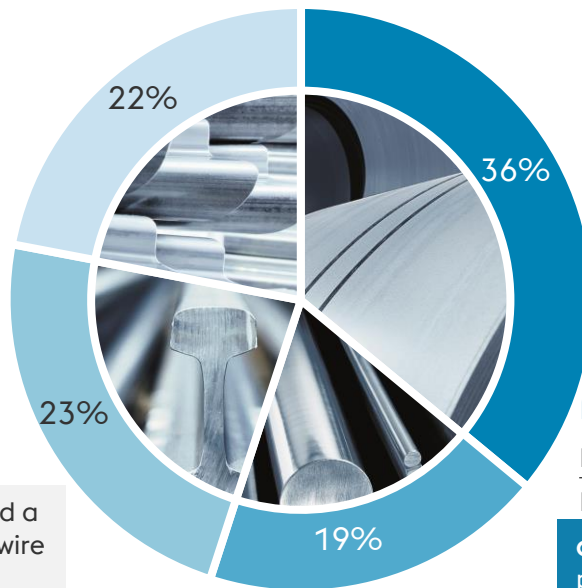
Revenue (M€) 2,667.3

Employees (full-time equivalent) 13,145

**WORLD MARKET LEADER** in turnout technology and a leading partner for premium rails, top quality wire rod and drawn wire, ready-to-install seamless tubes, medium-alloy and high-alloy filler materials and semi-finished steel goods.

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## Steel

Revenue (M€) 4,216.7

Employees (full-time equivalent) 10,461

**WORLDWIDE QUALITY LEADER** for highest quality steel strip and foundry products, as well as the world's leading supplier of heavy steel plates

## High Performance Metals

Revenue (M€) 2,299.8

Employees (full-time equivalent) 12,586

**GLOBAL MARKET LEADERSHIP** for tool steel and a leading partner for high-speed steel, valve steel, special forged parts and powder metallurgical materials

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ONE STEP AHEAD.

# HIGH PERFORMANCE METALS DIVISION

## GLOBAL

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- » With our international production facilities and our worldwide Value Added Services network, we guarantee that our customers get “everything from a single source”.

### HPM Production



We manufacture **high-performance materials** and **components** for the technologically most demanding applications in a wide variety of industrial segments.

### Value Added Services



With a unique global distribution network and related local services, we are the global N° 1 in tool steel and a leading partner for the oil & gas and aerospace industries.



# voestalpine HPM INDIA

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We are one of the India's leading supplier of high-performance materials with a unique service network all under one roof.

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# HIGH PERFORMANCE METALS DIVISION INDIA



- » voestalpine High Performance Metals India Pvt Ltd. was **incorporated in 2008**, formerly known as **Böhler-Uddeholm India Pvt Ltd.**

## HPM distribution & processing



We are into distribution and processing of **high-performance materials** and **components** of our own brands, for the technologically most demanding applications in a wide variety of industrial segments.

## Value Added Services



With a unique distribution network we also provide VAS like Surface Engineering, Heat Treatment, Additive Manufacturing and Metallurgical Laboratory

# LOCAL FOOTPRINT

## OUR BUSINESS IN FIGURES

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**3/3/1**

warehouses/VHT /  
PVD



**115**

employees



**21.5**

million € turnover



**2.11**

million € EBITDA



# DISTINCTIVE THROUGH STRONG BRANDS



# OUR PRODUCT PORTFOLIO

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## Tool Steel

Hot Work Tool Steel  
Cold Work Tool Steel  
Plastic Mould Steel

## High-speed steel

Conventional Steel  
Powder Metallurgy Steel

## Special steel

Aerospace  
Chemical Processing Industry  
Oil and Gas  
Powergen

## Engineered Products

Core Pins & Sub inserts  
Press Tool

## Others

Beryllium Copper  
Alumec

# OUR VALUE ADDED SERVICES (VAS)

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## Heat Treatment

Vacuum Heat Treatment  
Cryogenic process  
Stress Relieving

## Surface Engineering

Physical Vapor Deposition (PVD)  
Advanced Benefit Process (ABP)  
Polishing

## Additive Manufacturing

AM powder  
Nozzle Flow Filters

## Metallurgical Laboratory

Training and Consultation  
Failure Analysis  
Suggesting Corrective Action

# Our Products

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# PRODUCT : TOOL STEEL

## Hot Work Tool Steel

### Application

- » Die Casting
- » Hot Forging
- » Extrusion
- » Compression Moulding



## Cold Work Tool Steel

### Application

- » Cutting / Blanking
- » Cold forming
- » Coining (Minting)
- » Industrial knives
- » Deep drawing
- » Powder sintering
- » Cold / forming rolls



## Plastic Mould Steel

### Application

- » Injection moulding
- » Backlight moulding
- » Compression moulding
- » Poly Vinyl Chloride (PVC)



# PRODUCT : HIGH SPEED STEEL

## Conventional Steel

### Application

- » Drills & Taps
- » Milling Cutters
- » Hobs
- » Broaches
- » Cold-forming



## Powder Metallurgy (PM)

### Application

- » Drills & Taps
- » Milling Cutters
- » Hobs
- » Broaches
- » Stamping



# PRODUCT : SPECIAL STEEL

## Aerospace

- » High-performing metals for aerospace
- » optimization of our capabilities
- » Global supply local focus
- » Reliable and Consistent high quality levels



## Chemical Processing Industry

- » Hastelloy sheets of 3, 5 & 6 mm thickness
- » Inconel Sheets
- » Corrosion Resistance



## Powergen

- » Turbine Rotors
- » Turbine Blade Material
- » Creep Resistance



## Oil and Gas

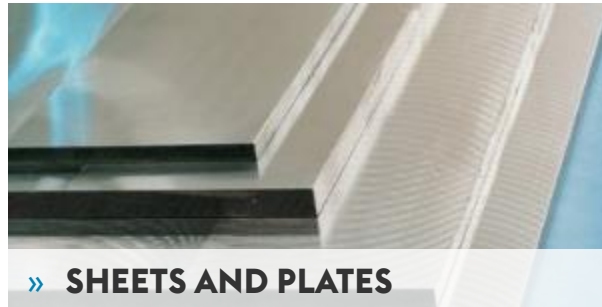
- » Higher Strength
- » Corrosion Resistance
- » API Approved
- » Drill collars
- » Completion Tools
- » Inconel





# OUR MOST FREQUENT PRODUCT SHAPES

in various dimensions





# PRODUCT : Engineered Products

## Core Pins for HPDC

We have the engineering expertise and experience to provide “special” and “custom” **core pins** for die casting applications.



## Sub inserts for HPDC

We have the engineering expertise and experience to provide “special” and “custom” **sub inserts** for die casting applications.



A wide-angle photograph of a large industrial facility, likely a steel mill or manufacturing plant. The scene shows multiple levels of platforms, walkways with yellow safety railings, and large open spaces with high ceilings and industrial lighting. In the background, there are large structures that appear to be part of a production line, possibly for casting or processing metals. The overall atmosphere is one of a modern, large-scale industrial environment.

# OUR SERVICES

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# Services : Heat Treatment

## Imparting Soul To Steel



- » We provide Heat Treatment process like
  - » Vacuum Heat Treatment
  - » Cryogenic Treatment (Liquid Nitrogen)
  - » Stress Relieving Vacuum & Atmosphere)
  - » Vacuum Annealing



# Services : Surface Engineering



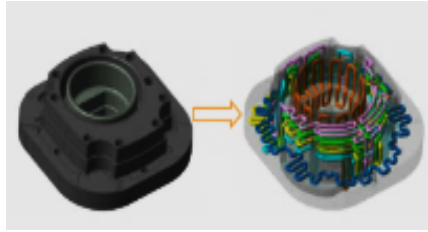
- » Our state-of-the-art coating center is equipped with the latest coating process technology.
- » The PVD Coating Services are provided by **voestalpine eifeler Coatings**, a wholly owned member of the voestalpine Group
- » Physical Vapor Deposition (PVD)
  - » Machines
    - » Alpha 900 (Ø 750x880)
    - » Alpha 400 (Ø 450x485)
  - » Specialised in Ultrafine Coating
  - » 7 stage Cleaning Line
- » Advanced Benefit Process (ABP)
- » Polishing

# SERVICES: ADDITIVE MANUFACTURING

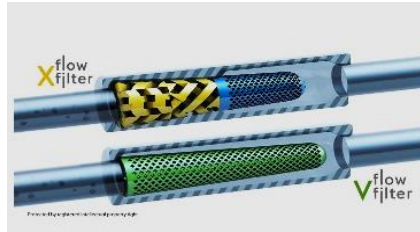
R&M of Component



Powder



Component – Designing and Modelling



Nozzle Filters made using AM technology



- » Manufacturing Service
  - » The **additive manufacturing process** uses **3D data** to manufacture components by adding layer upon layer of metal powder.
- » Material expertise in powder metallurgy –  
Particle size 15-45 µm & 45-150 µm
  - » Uddeholm COREX
  - » Böhler L718 AMPO
  - » Böhler L625 AMPO
  - » Böhler N700 AMPO
  - » Böhler W722 AMPO
- » Research competence centre
  - » R&D and manufacturing Facilities in GmbH Dusseldorf and Singapore
  - » Combines the core competences of
    - » powder production
    - » design optimization
    - » component production



# SERVICES: METALLURGICAL LABORATORY



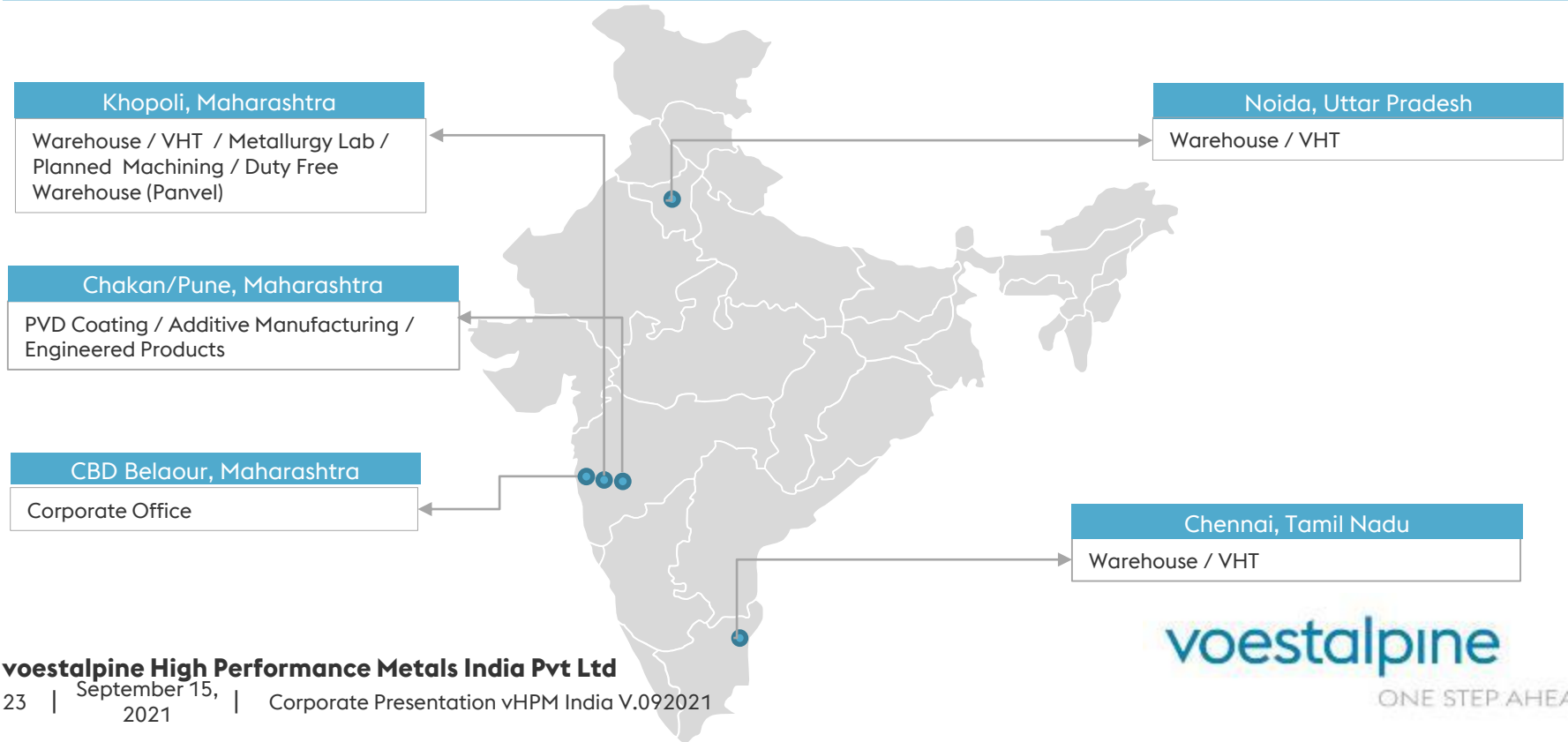
- » Tool Design support
- » Tool Life performance improvement
- » Tool Failure analysis
- » Highly experienced Team
- » Guidance on right selection of TS according to application
- » Close interactions with universities and institutions
- » Conducting technical seminars and trainings

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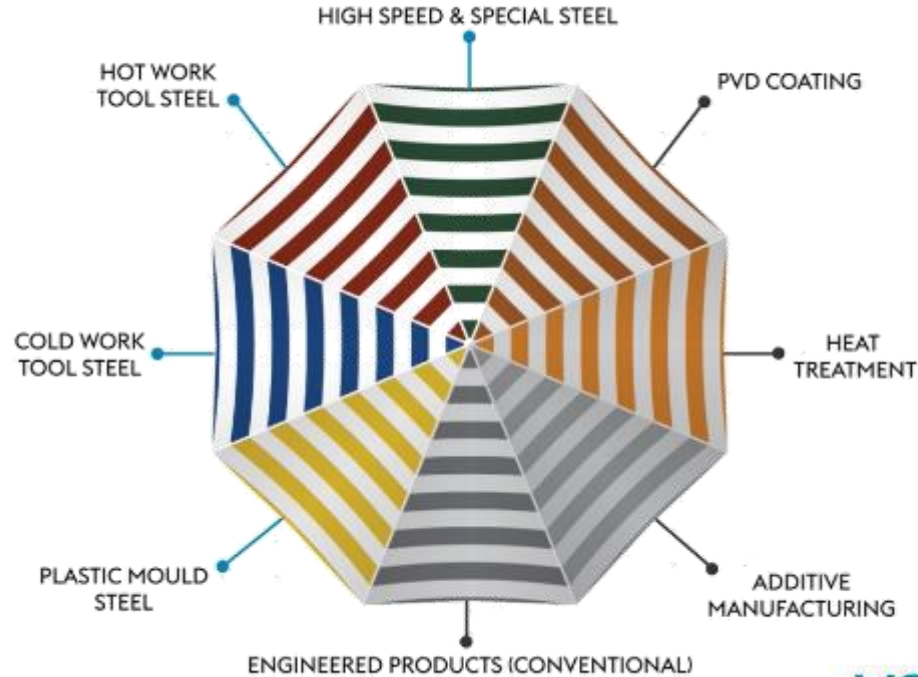
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# OUR PRESENCE IN INDIA



# WE HAVE YOU COVERED

HIGH  
PERFORMANCE  
MATERIALS



VALUE  
ADDED  
SERVICES

**voestalpine High Performance Metals India Pvt Ltd**

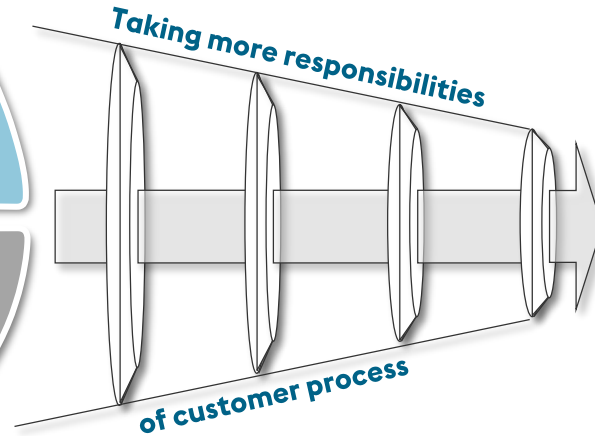
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# WHY US ?



Satisfied Customer



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# Our Major Customers

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**DIETECH INDIA**



**BOSCH**



**LMT TOOLS**



**ZAHORANSKY**



**SIEMENS**



**ADDISON**



**EMERSON**



**HAL**



**GKN DRIVE LINE**



**SIGMA**



**HONDA**



**EMKAY TOOLS**



**GODREJ**



**GE ALSTOM**



**VOLKSWAGEN**



**SANDVIK**



**ENDURANCE**



**SHIVAM AUTOTECH**



**SCHAEFFLER**



**VISTEON**



“Taking more responsibility of our  
customer’s processes”

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Thank you