



GAS & STEAM

Steel Castings That Unleash Energy

For Extreme Conditions. And the Highest Demands.

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RELIABILITY THAT PERFORMS UNDER PRESSURE

Whether gas or steam applications: our highly specialized steel castings stand for efficiency and reliability – and contribute to a sustainable energy system.

As a development and prototyping partner, we work closely with leading OEMs worldwide and provide individual solutions from design to machining and coating. Our material expertise in heat-resistant steels and nickel-based alloys makes us the market leader for components that withstand extreme thermal and mechanical demands – for maximum performance and minimum emissions.

Typical applications:

- » Turbine and Compressor Housings
- » Vane Carriers
- » Diffusers
- » Inner, outer, bearing, and sealing casings
- » Valve Bodies and Covers
- » Additional components upon request

ADVANTAGES



Increased efficiency

- » Custom components for maximum efficiency
- » Materials for extremely high temperatures
- » Ready-to-install solutions for shortened process chains



Quality

- » Approved by all leading turbine manufacturers
- » Decades of experience in development and manufacturing
- » Durable components for maximum uptime and minimal maintenance



Sustainability

- » Long-lasting, resource-efficient materials
- » Contribution to CO2 reduction through energy-efficient components

fastlane®

By using the latest technologies and prioritizing production scheduling, we guarantee up to 60 % faster and reliable delivery times.

Our fastlane®-Service represents a significant advancement in casting production by increasing efficiency, improving quality, and simultaneously promoting sustainable practices.



TECHNOLOGY

» 3D Sand Printing (3DSP)

Our innovative 3D printing process enables the production of highly complex castings without the need for traditional patterns. This precise and efficient method for manufacturing custom sand molds is ideal for intricate and specialized cast components.

» Robot Welding

With our certified, fully automated MAG welding process, we set new standards in manufacturing. Advanced techniques like laser cladding, integrated into state-of-the-art robotic systems, are propelling production technology into a new era.

» Digital Foundry

Through our ongoing "Digital Foundry" program, we continuously enhance our processes - driving efficiency, precision, and innovation in casting production.



voestalpine Foundry Group

As an international player in the foundry industry, voestalpine Foundry Group, with its sites in Linz (AUT), Traisen (AUT) and the joint venture in China, has made a name for itself worldwide.

With a broad portfolio of steel castings, including nickel-based alloys, it offers customized solutions in areas ranging from energy production, such as hydro, offshore/wind or oil & gas, to machinery and railroad systems. By using state-of-the-art technologies and increasingly focusing on climate-friendly production processes, voestalpine Foundry Group is the first choice for cast products of the highest quality, in a weight range from a few kilograms to 200 tons.

voestalpine Foundry Group

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ONE STEP AHEAD.