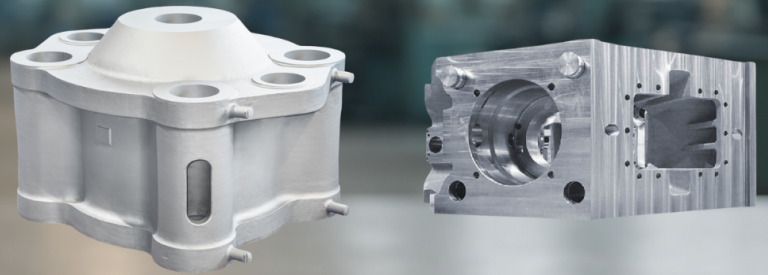


HEAVYWEIGHT MACHINERY

Expertise in Every Ton



Safety, quality, durability – in heavy-duty format

Heavy Machinery factsheet EN | 07/2025

HIGH-PERFORMANCE STEEL CASTINGS FOR HEAVY-DUTY TASKS

In heavy machinery manufacturing, durability, resilience, and precision are key. Our casting solutions offer advanced material properties and customized quality – ensuring optimal performances of your machines.

Our high-grade steel castings are customized for heavy machinery – up to 200 tons per piece, optionally final machined. Our strengths: materials expertise, innovative welding techniques, and solutions for extreme loads. With processes such as specially developed hard-facing welding, we ensure maximum service life and operational safety. Complemented by our retrofit service, we keep existing systems running reliably and sustainably.

Typical applications:

- » Cast parts for forming and forging technology
- » Components for large-scale industrial plants such as slag pots, rolling stands, end walls
- » Parts for medical and research industries (e.g. cyclotrons with magnetic properties)

ADVANTAGES



Increased efficiency

- » Reduced downtime thanks to durable components
- » Short delivery times via fastlane® service
- » Efficient project execution through strong engineering expertise



Quality

- » Broad material portfolio and deep materials expertise
- » Customized solutions for complex requirements
- » Precise manufacturing, even for very large components



Sustainability

- » Repair and welding expertise extends lifecycle
- » Resource-efficient production using state-of-the-art technologies

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.

CONTACT



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voestalpine

ONE STEP AHEAD.