



LIGHTWEIGHT MACHINERY

High Performance in Every Component

From Concept to Coating – Everything from a Single Source

Light Machinery factsheet EN | 07/2025

THE FUTURE OF MACHINERY INDUSTRY BEGINS WITH CASTING

When technology moves: Our castings reliably power machines – with expertise, quality, and a keen sense for individual requirements.

Our focus: Efficient, tailor-made solutions for niche markets such as special transport, earthmoving, mining, and special machinery. From series parts like linkage elements to hygiene-critical components for the food industry – our manufacturing combines precision and the highest standards.

A complete package – from development to coating – with material expertise, quality leadership, and real customer focus.

Typical applications:

- » Drive, connection, and structural components
- » Wear and functional parts
- » Housings and components for special machines
- » Components for the food industry
- » Components for the cement, sugar, or paper industries

ADVANTAGES



Increased efficiency

- » Complete service – from casting to coating
- » Series production capability via block mold system
- » Use of cutting-edge technologies



Quality

- » Precision for complex geometries and high-load parts
- » Tailor-made materials for the most demanding requirements
- » Close collaboration with customers in design and optimization



Sustainability

- » Durable products with high wear resistance
- » Resource-efficient manufacturing 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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ONE STEP AHEAD.