INFRASTRUCTURE

Shaping what endures.

WHERE DESIGN MEETS LOAD-BEARING CAPACITY

With innovative manufacturing methods and material expertise, we bring sophisticated designs to life and enable sustainable solutions in bridge, building, and civil engineering construction.

Whether it's bridge structures, stadiums, or large-scale urban projects – when maximum load capacity, design freedom, and durability are required, steel casting is the first choice. Our cast nodes, base plates, and custom components combine structural performance with architectural integration. Advanced 3D sand printing (3DSP) enables freedom of design with high precision. Our materials expertise enables optimal solutions – precisely tailored to each application and environment.

Typical applications:

- Cast nodes for bridges and roof structures
- Base plates for above- and below-ground construction
- Custom components in architectural and urban settings
- Components for transport infrastructure, energy facilities, and public buildings

ADVANTAGES

Increased efficiency

- High reproducibility for series components
- Fast availability through fastlane®
- Castings from just a few kilograms up to 200 tons

Quality

- Full service – from casting process to final machining
- Design flexibility thanks to modern 3D sand printing technology
- High durability and resilience, even under dynamic loads

Sustainability

- Resource-efficient production through optimized manufacturing processes and recycling systems

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voestalpine
ONE STEP AHEAD.

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 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

MARIO VÖLKER

T. +43/664/83 64 718
Mario.Voelker@voestalpine.com

Please find further information at:

voestalpine Foundry Group
voestalpine-Straße 3
4020 Linz, Austria
www.voestalpine.com/giesserei-gruppe/en

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