

About this organisation

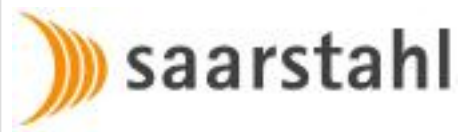
Machine translation

This organisation has been machine-translated based on data provided in German.

With its sites in Völklingen, Burbach and Neunkirchen, Saarstahl AG is one of the most important manufacturers of long products in the world. The product portfolio includes wire rod, bar steel, crude steel and semi-finished products.

Due to CO2 restrictions, massive lightweight construction is more important than ever before. Against this background, Saarstahl is developing steels with ever higher strengths. In addition to the further development of established steel grades, completely new grades are also being developed. The focus here is primarily on bainitic steels, which are characterised by a good combination of strength and ductility. However, the mechanical properties of common steel grades are also being further improved, e.g. through the use of soft reduction (MSR) in the casting process or thermomechanical rolling. This means that the load-bearing capacity can be improved simply by the process control without changing the steel composition.

Bismarckstraße 57-59
66333 Völklingen
Saarland
Germany
www.saarstahl.com



Organisation type

Large enterprises

Sectors



Employees

500 and more

Turnover

More than €50m

Funding

n/a

About this organisation

Main areas covered Quenched and tempered steels, case-hardening steels, AFP steels, chain steels, Rolling bearing steel, spring steel, Steel cord, cold heading steels, Prestressing steel

Infrastructure

Certifications ISO 9001, IATF 16949, ISO 50001, ISO 14001, ISO 45001

Keywords

Memberships German Steel Federation, FOSTA, Eurofer

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Semi-finished parts, Materials	✓	✓	✓
Services & consulting Others (Material development / optimisation)	✓	✓	✓

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Field of technology			
<i>Design & layout</i>			
<i>Functional integration</i>			
Measuring and testing technology Visual analysis (e.g. microscopy, metallography), Materials analysis, Destructive analysis, Non- destructive analysis	✓	✓	✓
Modelling and simulation Processes, Materials	✓	✓	
<i>Plant construction & automation</i>			
<i>Recycling technologies</i>			
Manufacturing process			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
<i>Fibre composite technology</i>			
Forming Rolling	✓		✓
<i>Joining</i>			
Material property alteration Heat treatment	✓		✓
<i>Primary forming</i>			
<i>Processing and separating</i>			
<i>Textile technology</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
<i>Composites</i>			
<i>Fibres</i>			
<i>Functional materials</i>			
Metals			
Steel	✓	✓	✓
<i>Plastics</i>			
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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Contacts	
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