

Outokumpu Nirosta GmbH

About this organisation

Machine translation

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

Outokumpu is the global market leader in the production of stainless steel with a cold rolling capacity of 2.4 million tonnes. We develop and produce state-of-the-art materials that are efficient, durable and recyclable. These materials help us all to create a world that lasts forever.

Development and provision of ultra-high-strength lightweight materials ($Rp0.2 > 1000\text{MPa}$) in the field of stainless steels and development of the necessary joining technology for multi-material design.

Oberschlesienstraße 16
47807 Krefeld
North Rhine-Westphalia
Germany

www.outokumpu.com/de/Seiten/default.aspx



Organisation type

Large enterprises

Sectors



Employees

500 and more

Turnover

More than €50m

Funding

n/a

Main areas covered

Lightweight materials

Infrastructure

Certifications

Keywords

stainless, ultra high strength

Memberships

Outokumpu Nirosta GmbH

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Semi-finished parts, Materials	✓	✓	✓
<i>Services & consulting</i>			
Field of technology			
<i>Design & layout</i>			
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
Modelling and simulation Materials	✓	✓	
<i>Plant construction & automation</i>			
<i>Recycling technologies</i>			

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
<i>Fibre composite technology</i>			
Forming Stretch forming, Deep-drawing, Rolling	✓	✓	
Joining Hybrid joining, Adhesive bonding, Welding	✓	✓	
<i>Material property alteration</i>			
<i>Primary forming</i>			
<i>Processing and separating</i>			
<i>Textile technology</i>			

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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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