

About this organisation

Machine translation

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

Wieland is a leading global supplier of semi-finished products made of copper and copper alloys. With a global network of more than 80 production sites, service and trading companies, the company offers a broad portfolio of products, technologies and services. From prototype to series production, Wieland develops solutions for the automotive, aerospace, electronics, refrigeration and air-conditioning technology and many other industries.

More powerful electric motors and more efficient batteries with components from Wieland. The optimisation of the key element battery for electromobility has provided the impetus for increasing the efficiency of all components - from the rotor to the drivetrain to the cabling. As a long-standing partner to the automotive industry, Wieland utilises its extensive access to key technologies to develop sophisticated components for electromobility. The spectrum ranges from robust rotors for maximum electrical power to precision resistors for high-precision measurement tasks and contacting components for stator windings in the tightest of spaces.

Graf-Arco-Straße 36
89079 Ulm
Baden-Württemberg
Germany
www.wieland.com



wieland

Organisation type

Large enterprises

Sectors



Employees

500 and more

Turnover

More than €50m

Funding

n/a

Wieland-Werke AG
BU Engineered Products

About this organisation

Main areas covered Semi-finished products & components made of copper materials

Infrastructure

Certifications ISO 9001:2015; IATF 16949:2016; ISO 14001:2015; IS

Keywords Cu rotors, circuits for stators, shunts

Memberships Trade Association for Metals, Copper Association, DVS

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Materials	✓	✓	✓
Services & consulting Engineering, Prototyping, Simulation, Technology transfer	✓	✓	✓

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Lightweight manufacturing, Hybrid structures	✓	✓	✓
<i>Functional integration</i>			
Measuring and testing technology Component and part analysis, Visual analysis (e.g. microscopy, metallography), Materials analysis, Destructive analysis, Non-destructive analysis		✓	✓
Modelling and simulation Loads & stress, Multiphysics simulation, Optimisation, Structural mechanics			✓
<i>Plant construction & automation</i>			
<i>Recycling technologies</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
<i>Additive manufacturing</i>			
Coating (surface engineering) Painting, Powder coating		✓	✓
<i>Fibre composite technology</i>			
Forming Bending, Impact extrusion, Rolling		✓	✓
Joining Welding		✓	✓
Material property alteration Heat treatment	✓	✓	✓
Primary forming Casting	✓	✓	✓
Processing and separating Drilling, Turning, Milling, Sawing, Shearing/ punching, Grinding		✓	✓
<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			
Others (Copper and copper alloys)	✓	✓	✓
<i>Plastics</i>			
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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Contacts

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