

About this organisation

Machine translation

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

The OTTO FUCHS Group is a manufacturer and processor of aluminium, magnesium, copper, titanium and nickel alloys. The materials are processed into semi-finished products, components or finished products by forging, extrusion and ring rolling and supplied to an international clientele from the aerospace, automotive, construction, mechanical and plant engineering industries.

The products made from the important light metals aluminium, magnesium and titanium are mainly used in the aerospace and automotive sectors due to their low weight. In-house alloy developments with increased strength values allow the weight optimisation of weight-sensitive products. In-house development capacities in the area of simulation techniques allow the customer-specific weight optimisation of components and assemblies. Forged chassis components (bar-shaped control arms) and forged wheels for cars and trucks deserve special mention here, as they make a significant contribution to lightweight construction in the automotive industry thanks to their extraordinarily favourable ratio of load-bearing capacity to weight. Large-format aluminium forgings such as couplings and joints as well as disc wheel bodies for railway wheels represent another promising field of activity for sophisticated lightweight products.

Derschlagerstrasse 26
58540 Meinerzhagen
North Rhine-Westphalia
Germany
www.otto-fuchs.com



Organisation type

Large enterprises

Sectors



Employees

500 and more

Turnover

More than €50m

Funding



About this organisation

Main areas covered

Aluminium forgings for car manufacturing, Car and lorry forged wheels, Profiles and assemblies for commercial vehicles, Aircraft - Structural components, Engine parts

Infrastructure

Certifications

Keywords

Memberships

Overview of lightweighting expertise

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Offer

Products

Parts and components, Semi-finished parts, Materials

Services & consulting

	Research	Development	Manufacturing & Supply
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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Lightweight manufacturing, Lightweight construction concepts, Lightweight material construction		✓	✓
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
Modelling and simulation Loads & stress, Life-cycle analysis, Optimisation, Materials		✓	✓
<i>Plant construction & automation</i>			
<i>Recycling technologies</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing 3D printing, Laminated object manufacturing (LOM), Selective laser melting (SLM, LPBF, ...)		✓	
<i>Coating (surface engineering)</i>			
<i>Fibre composite technology</i>			
Forming Bending, Forging, Extrusion moulding, Others (Ring rollers)		✓	✓
Joining Riveting, Screwing, Welding, Others (Shrinkage)			✓
<i>Material property alteration</i>			
<i>Primary forming</i>			
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			
Aluminium, Magnesium, Titanium, Others (Copper, brass, nickel)		✓	✓
<i>Plastics</i>			
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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Contacts

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