OTTO FUCHS KG

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.

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Germany
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OTTO FUCHS

Organisation type
Large enterprises

Sectors

Employees
500 and more

Turnover
More than €50m

Funding

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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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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Semi-finished parts, Materials		✓	✓
Services & consulting			

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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		✓	✓
Functional integration			
Measuring and testing technology			
Modelling and simulation Loads & stress, Life-cycle analysis, Optimisation, Materials		✓	✓
Plant construction & automation			
Recycling technologies			

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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, ...)		✓	
Coating (surface engineering)			
Fibre composite technology			
Forming Bending, Forging, Extrusion moulding, Others (Ring rollers)		✓	✓
Joining Riveting, Screwing, Welding, Others (Shrinkage)			✓
Material property alteration			
Primary forming			
Processing and separating Drilling, Turning, Milling, Sawing, Shearing/ punching, Grinding			✓
Textile technology			

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
Biogenic materials			
Cellular materials (foam materials)			
Composites			
Fibres			
Functional materials			
Metals Aluminium, Magnesium, Titanium, Others (Copper, brass, nickel)		✓	✓
Plastics			
Structural ceramics			
(Technical) textiles			

Contacts

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Contacts

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