

## About this organisation

### Machine translation

This profile 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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### Organisation type

Large enterprises

### Sectors



### Employees

500 and more

### Turnover

More than €50m

### Funding



[Projects in the funding catalogue](#)

# OTTO FUCHS KG

## About this organisation

|                           |  |
|---------------------------|--|
| <b>Main areas covered</b> | Aluminium forgings for car manufacturing, Car and lorry forged wheels, Profiles and assemblies for commercial vehicles, Aircraft - Structural components, Engine parts |
| <b>Infrastructure</b>     |  |
| <b>Certifications</b>     |  |
| <b>Keywords</b>           |  |
| <b>Memberships</b>        |  |

## Overview of lightweighting expertise

### Machine translation

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|  | Research | Development | Manufacturing & Supply |
|--|----------|-------------|------------------------|
| <b>Offer</b>   |          |             |                        |
| <b>Products</b>                                      |          |             |                        |
| Parts and components, Semi-finished parts, Materials |          | ✓           | ✓                      |
| <i>Services &amp; consulting</i>                     |          |             |                        |

## Overview of lightweighting expertise

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

## Overview of lightweighting expertise

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|  | Research | Development | Manufacturing<br>& Supply |
|--|----------|-------------|---------------------------|
| <b>Manufacturing process</b>   |          |             |                           |
| <b>Additive manufacturing</b><br>3D printing, Laminated object manufacturing (LOM), Selective laser melting (SLM, LPBF, ...) |          | ✓           |                           |
| <i>Coating (surface engineering)</i>   |          |             |                           |
| <i>Fibre composite technology</i>  |          |             |                           |
| <b>Forming</b><br>Bending, Forging, Extrusion moulding, Others: null   |          | ✓           | ✓                         |
| <b>Joining</b><br>Riveting, Screwing, Welding, Others: null  |          |             | ✓                         |
| <i>Material property alteration</i>  |          |             |                           |
| <i>Primary forming</i>   |          |             |                           |
| <b>Processing and separating</b><br>Drilling, Turning, Milling, Sawing, Shearing/punching, Grinding                          |          |             | ✓                         |
| <i>Textile technology</i>  |          |             |                           |

## Overview of lightweighting expertise

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|  | Research | Development | Manufacturing<br>& Supply |
|--|----------|-------------|---------------------------|
| <b>Material</b>                              |          |             |                           |
| <i>Biogenic materials</i>                    |          |             |                           |
| <i>Cellular materials (foam materials)</i>   |          |             |                           |
| <i>Composites</i>                            |          |             |                           |
| <i>Fibres</i>                                |          |             |                           |
| <i>Functional materials</i>                  |          |             |                           |
| <b>Metals</b>                                |          | ✓           | ✓                         |
| Aluminium, Magnesium, Titanium, Others: null |          |             |                           |
| <i>Plastics</i>                              |          |             |                           |
| <i>Structural ceramics</i>                   |          |             |                           |
| <i>(Technical) textiles</i>                  |          |             |                           |

## Contacts

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

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