

About this organisation

Machine translation

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

At the Oerlikon Innovation Hub, we research and develop new materials, metal powders and manufacturing processes for our customers, focussing on additive manufacturing and coating solutions.

One focus of our research and development work is the additive manufacturing of components for the aerospace industry. Our expertise covers the entire process chain from design, alloy development, powder production and additive manufacturing through to a wide range of reworking processes and final quality control.

Freisinger Landstr. 52
85748 Garching bei München
Bavaria
Germany
www.oerlikon.com/am/de/



Organisation type

Large enterprises

Sectors



Employees

500 and more

Turnover

More than €50m

Funding

n/a

Main areas covered

Additive manufacturing, Material development, Coatings

Infrastructure

Metallography laboratories, 3D printer for metal

Certifications

Keywords

Memberships

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Semi-finished parts, Materials	✓	✓	✓
<i>Services & consulting</i>			
Field of technology			
Design & layout Lightweight manufacturing, Lightweight design, Hybrid structures	✓	✓	✓
Functional integration Sensor technology, Material functionalisation	✓	✓	
Measuring and testing technology Component and part analysis, Visual analysis (e.g. microscopy, metallography), Materials analysis, Destructive analysis, Non-destructive analysis	✓	✓	
<i>Modelling and simulation</i>			
<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, Deposition welding, Selective laser melting (SLM, LPBF, ...)	✓	✓	✓
Coating (surface engineering) Plasma process, Powder coating	✓	✓	
<i>Fibre composite technology</i>			
<i>Forming</i>			
<i>Joining</i>			
Material property alteration Heat treatment	✓	✓	
<i>Primary forming</i>			
<i>Processing and separating</i>			
<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, Intermetallic alloys, Magnesium, Steel, Titanium, Others (Copper-based, nickel- based, etc.)	✓	✓	✓
<i>Plastics</i>			
Structural ceramics Non-oxidic ceramics, Oxidic ceramics	✓	✓	
<i>(Technical) textiles</i>			

Contacts

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Contacts

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