

About this organisation

Machine translation

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

The network is geared towards specific lightweight construction activities with a focus on mechanical engineering. Business and research are closely interlinked in the network in order to bundle specialised knowledge and interdisciplinary expertise and to further develop innovations in a targeted manner. The establishment of a lightweight construction research infrastructure including machinery in southern Lower Saxony should enable innovative products to be manufactured in the future.

- Lightweight construction in mechanical engineering - Further development of material structures - Optimisation of machining processes - Development of innovative plant technologies Focussing the planned future machinery on - additive manufacturing of components using SLS, FDM and fibre placement technology - Component production using infusion technologies - Geometric component processing - quality assurance

Agricolastraße 6
38678 Clausthal-Zellerfeld
Lower Saxony
Germany
www.limax.tech



Organisation type

Cluster

Sectors



Employees

Up to 9

Turnover

n/a

Funding

n/a

Main areas covered

Lightweight construction in mechanical engineering, Further development of material structures, Optimisation of machining processes, Innovative system technology

Infrastructure

Certifications

Keywords

Memberships

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Machines and plants, Tools and moulds	✓	✓	
Services & consulting Consulting, Technology transfer	✓	✓	
Field of technology			
<i>Design & layout</i>			
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<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			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
Fibre composite technology Filament winding, Resin infusion process, Pre-preg processing, Vacuum infusion	✓	✓	
<i>Forming</i>			
<i>Joining</i>			
<i>Material property alteration</i>			
<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

Biogenic materials

Cellular materials (foam materials)

Composites

Fibres

Functional materials

Metals

Plastics

Structural ceramics

(Technical) textiles

Contacts

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