

# ligenium GmbH

## About this organisation

### Machine translation

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

The company ligenium GmbH is a pioneer in the use of wood in mechanical engineering. mechanical engineering. It supplies German car manufacturers with solutions in timber construction that are ready for series production and has extensive expertise in the design, production-ready construction and production of assemblies made from wood-based materials.

- Lightweight construction with selected wood materials
- The focus is on WVC (Wood Veneer Composite)
- Application of wood-metal hybrids

Annaberger Str. 240  
09125 Chemnitz  
Saxony  
Germany  
[www.ligenium.de/](http://www.ligenium.de/)



#### Organisation type

Small or medium-sized enterprise

#### Sectors



#### Employees

10 up to 49

#### Turnover

n/a

#### Funding

n/a

**Main areas covered** Special load carriers, Transport racks, Conveyor technology

**Infrastructure** Load carrier, Machine elements, Semi-finished profiles, Conveyor technology

**Certifications** ISO 9001, Tisax, ISO 14001

**Keywords** Wood in mechanical engineering, WVC (Wood Veneer Composite)

#### Memberships

## 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, Machines and plants	✓	✓	✓
<b>Services &amp; consulting</b> Consulting, Funding, Engineering	✓	✓	✓
<b>Field of technology</b>			
<b>Design &amp; layout</b> Hybrid structures, Lightweight construction concepts, Lightweight material construction	✓	✓	✓
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<b>Modelling and simulation</b> Crash behaviour, Loads & stress, Life-cycle analysis, Structural mechanics, Materials, Reliability validation, Others (regarding timber construction methods)	✓	✓	✓
<b>Plant construction &amp; automation</b> Plant construction	✓	✓	✓
<i>Recycling technologies</i>			

## Overview of lightweighting expertise

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Manufacturing  
Research   Development   & Supply

#### Manufacturing process

*Additive manufacturing*

*Coating (surface engineering)*

*Fibre composite technology*

*Forming*

*Joining*

*Material property alteration*

*Primary forming*

#### Processing and separating

Drilling, Milling, Sawing, Grinding, Cutting,  
Others (Lightweight wood construction  
materials e.g. WVC (Wood Veneer Composite))



*Textile technology*

## Overview of lightweighting expertise

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Manufacturing  
Research   Development   & Supply

#### Material

##### Biogenic materials

Wood, Others (Components and construction methods)



*Cellular materials (foam materials)*

*Composites*

*Fibres*

*Functional materials*

*Metals*

*Plastics*

*Structural ceramics*

*(Technical) textiles*

#### Contacts

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## Contacts

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