

About this organisation

Machine translation

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

As a young start-up (spun off from TU Dresden in 2018), Lignoa Leichtbau GmbH is generally concerned with product development using wood as a material. New processes are developed to produce fibre-oriented components suitable for series production through veneer forming. The focus is always on the processing of veneer in order to avoid additional material processing.

- Design of wooden components - product design - Product development - Wooden profiles and tubes - Technology and process development - Technology transfer

Entenseestraße 31
90607 Rückersdorf
Bavaria
Germany
www.lignoa.de



Organisation type

Small or medium-sized enterprise

Sectors

No specific sector

Employees

Up to 9

Turnover

n/a

Funding

n/a

Lignoa Leichtbau GmbH

About this organisation

Main areas covered Product and technology development, Lightweight construction with wood and wooden profiles, CNC woodworking, Pressed and moulded wood parts

Infrastructure Fully equipped joinery, CNC router for wood and plastic, Laser cutter CO2, Vacuum press, Complete product development

Certifications

Keywords Wood, Profiles, Structural components, Product development, Product design

Memberships

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Semi-finished parts, Materials	✓	✓	✓
Services & consulting Consulting, Engineering, Prototyping, Simulation, Technology transfer		✓	✓

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Lightweight design, Hybrid structures, Lightweight construction concepts		✓	✓
Functional integration Actuator technology, Sensor technology		✓	✓
<i>Measuring and testing technology</i>			
Modelling and simulation Structural mechanics, Materials		✓	✓
<i>Plant construction & automation</i>			
<i>Recycling technologies</i>			
Manufacturing process			
<i>Additive manufacturing</i>			
Coating (surface engineering) Painting			✓
<i>Fibre composite technology</i>			
Forming Compression moulding, Deep-drawing			✓
Joining Adhesive bonding, Screwing			✓
<i>Material property alteration</i>			
<i>Primary forming</i>			
Processing and separating Drilling, Turning, Milling, Sawing, Grinding, Cutting		✓	✓
<i>Textile technology</i>			

Lignoa Leichtbau GmbH

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
Biogenic materials			
Wood	✓	✓	✓
<i>Cellular materials (foam materials)</i>			
<i>Composites</i>			
Fibres			
Glass fibres			✓
<i>Functional materials</i>			
<i>Metals</i>			
<i>Plastics</i>			
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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Contacts

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