Ostwestfalen-Lippe University of Applied Sciences / Department of Production and Wood Technology

Laboratory: Wood technology - industrial furniture construction, design and development

About this organisation

Machine translation

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

The Technische Hochschule Ostwestfalen-Lippe (TH-OWL) in Lemgo is an application-orientated university in the technology region of Ostwestfalen-Lippe that teaches and conducts research in cooperation with commercial enterprises.

The Department of Production and Wood Technology at the TH OWL stands for cross-company research and development of lightweight constructions in wood, furniture and interior design, particularly through its Wood Technology degree programme, which is unique in North Rhine-Westphalia. The current research efforts of several laboratories in the Wood Technology degree programme focus primarily on lightweight construction and the corresponding joining technology in industrial wood and furniture construction. The topic of lightweight construction is already an integral part of the course content in undergraduate teaching at the Technical University and is to be further expanded in the future.

Campusallee 12
32657 Lemgo
North Rhine-Westphalia
Germany
www.th-owl.de/produktion/

Organisation type
University or higher education institution

Sectors
No specific sector

Employees
500 and more

Turnover
n/a

Funding

Main areas covered	Industrial furniture construction, Furniture construction, Furniture development, Material and component testing
Infrastructure	
Certifications	
Keywords	
Memberships	igeL e. V.

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products			
Services & consulting Training, Testing and trials, Engineering, Prototyping, Validation, Technology transfer	✓	✓	✓
Field of technology			
Design & layout			
Functional integration			
Measuring and testing technology Component and part analysis, Destructive analysis, Non-destructive analysis	✓	✓	✓
Modelling and simulation			
Plant construction & automation			
Recycling technologies			

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	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing 3D printing	✓	✓	
Coating (surface engineering)			
Fibre composite technology			
Forming			
Joining Adhesive bonding, Screwing, Welding	✓	✓	
Material property alteration			
Primary forming			
Processing and separating Drilling, Milling, Sawing, Grinding, Cutting	✓	✓	
Textile technology			

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	Research	Development	Manufacturing & Supply
Material			
Biogenic materials Biocomposites, Wood	✓	✓	
Cellular materials (foam materials)			
Composites Laminates	✓	✓	
Fibres Natural fibres	✓	✓	
Functional materials			
Metals			
Plastics			
Structural ceramics			
(Technical) textiles			

Contacts

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Contacts

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