Berlin University of Applied Sciences

Department VIII | Machine Tools and Machine Design | Project CCLT

About this organisation

Machine translation

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

The Berlin University of Applied Sciences (BHT) was founded in 1971 as the Technical University of Applied Sciences Berlin (TFH) through the merger of four state engineering academies in Berlin: the engineering academies Beuth, Gauß and Bauwesen as well as the engineering academy for horticulture. With around 13,000 students, the BHT is one of the largest universities of applied sciences in Germany. It offers the largest engineering degree programme in Berlin and Brandenburg.

The "Sustainability" working group has many years of experience in researching natural materials and material composites made from these materials. Numerous studies and projects have been carried out in the field of application-orientated development of procedures, processes and products for the use of sustainable materials. For example, a friction welding machine for friction welding wood and bamboo was developed together with partners from industry.

Luxemburger Str. 10
13353 Berlin
Berlin
Germany
www.bht-berlin.de

Organisation type
University or higher education institution

Sector

Employees
500 and more

Turnover
n/a

Funding
n/a

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About this organisation

Main areas covered	Machine tools, Machine design
Infrastructure	Renewable raw materials, Determination of tensile strength, Friction welding of wood and bamboo
Certifications	
Keywords	
Memberships	

Overview of lightweighting expertise

Machine translation

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Systems and end products, Materials, Tools and moulds	✓	✓	✓
Services & consulting Training, Consulting, Testing and trials, Funding, Prototyping, Validation, Simulation, Technology transfer	✓	✓	✓

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Lightweight material construction	✓		
Functional integration			
Measuring and testing technology Component and part analysis, Destructive analysis	✓		
Modelling and simulation			
Plant construction & automation			
Recycling technologies			
Manufacturing process			
Additive manufacturing Deposition welding	✓		
Coating (surface engineering)			
Fibre composite technology			
Forming Bending	✓		
Joining Adhesive bonding, Riveting, Screwing, Welding	✓		
Material property alteration			
Primary forming Others (Additive manufacturing)	✓	✓	
Processing and separating Drilling, Turning, Milling, Electrical discharge machining, Sawing, Grinding, Cutting	✓		
Textile technology			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
Biogenic materials Wood, Others (Bamboo)	✓		
Cellular materials (foam materials)			
Composites Metal-ceramic composite, Natural fibre reinforced plastics (NFRP), Others (US soldering of ceramics, glass and similar composites)	✓	✓	
Fibres Natural fibres	✓	✓	
Functional materials Others (Material composites made from natural fibres)	✓	✓	
Metals			
Plastics			
Structural ceramics Non-oxidic ceramics, Oxidic ceramics, Others (Structuring of the above-mentioned ceramics)	✓	✓	
(Technical) textiles			

Contacts

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Contacts

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