

Karlsruhe University of Applied Sciences

Faculty of Mechanical Engineering and Mechatronics - Chair of Mechatronic Systems

About this organisation

Machine translation

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

Karlsruhe University of Applied Sciences (HKA) is one of the largest universities of applied sciences in Baden-Württemberg. The combination of practice-orientated application and research puts Karlsruhe University of Applied Sciences in an excellent position for application-orientated research projects with industry.

Additive manufacturing Quality Assurance Non-destructive testing 3D digitisation Computer tomography

Moltkestr. 30
76133 Karlsruhe
Baden-Württemberg
Germany
[h-ka.de](https://www.h-ka.de)



Organisation type

University or higher education institution

Sectors

No specific sector

Employees

500 and more

Turnover

n/a

Funding

Main areas covered

3D quality assurance

Infrastructure

Certifications

Keywords

Memberships

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
<i>Products</i>			
<i>Services & consulting</i>			
Field of technology			
<i>Design & layout</i>			
<i>Functional integration</i>			
Measuring and testing technology Component and part analysis, Materials analysis, Non-destructive analysis	✓	✓	
<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			
Additive manufacturing 3D printing, Others (Clay and concrete 3D printing)	✓	✓	
<i>Coating (surface engineering)</i>			
<i>Fibre composite technology</i>			
<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			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
<i>Composites</i>			
<i>Fibres</i>			
<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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