

About this organisation

Machine translation

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

BIMAQ is an engineering research institute at the Faculty of Production Engineering at the University of Bremen. BIMAQ's core competence is measurement technology, which is a key discipline for solving technical and social challenges. BIMAQ conducts research into innovative model-based, dynamic measurement systems for the investigation and optimisation of manufacturing and flow processes.

The metrological approaches can be used to characterise and validate innovative design guidelines for lightweight construction concepts in terms of their geometric properties. The laboratory infrastructure makes it possible to test components up to 2 metres in diameter.

Linzer Str. 13
28359 Bremen
Bremen
Germany
www.bimaq.de/



Organisation type

University or higher education institution

Sectors

No specific sector

Employees

10 up to 49

Turnover

n/a

Funding

Main areas covered

Measurement technology, Automation, Quality science

Infrastructure

Large coordinate measuring machine, Shaft test bench, Air-conditioned measuring laboratories, Thermography systems, Roughness measuring systems

Certifications

Keywords

Validation of lightweight construction concepts

Memberships

Overview of lightweighting expertise

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| | Research | Development | Manufacturing & Supply |
|---|----------|-------------|---------------------------|
| Offer | | | |
| <i>Products</i> | | | |
| Services & consulting | | | |
| Validation | ✓ | ✓ | |
| Field of technology | | | |
| <i>Design & layout</i> | | | |
| <i>Functional integration</i> | | | |
| Measuring and testing technology | | | |
| Component and part analysis, System analysis, Non-destructive analysis, Others (Thermography, Edge zone analysis, Geometry and roughness measurement technology, gear metrology, flow measurement technology) | ✓ | | |
| <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

Coating (surface engineering)

Fibre composite technology

Forming

Joining

Material property alteration

Primary forming

Processing and separating

Textile technology

Material

Biogenic materials

Cellular materials (foam materials)

Composites

Fibres

Functional materials

Metals

Plastics

Structural ceramics

(Technical) textiles

Contacts

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