

Burkhardt balancing technology, machine and system technology

About this organisation

Machine translation

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

Auswuchttechnik Burkhardt has been active in the field of balancing technology and test bench development for electric drives and automotive drivetrain components for over 20 years. Customers are companies and research institutes that have special requirements for the performance, speed stability, efficiency and fatigue strength of their components.

We have over 20 years of experience in mechanical engineering, balancing technology and test bench development for renowned development centres in industry and research. We balance up to: - max. 3.7 m diameter - max. 8.5 m long - max. weight 12 tonnes - max. 250,000 rpm (with max. 1 kg workpiece weight) We also balance directly on the customer's premises with the additional wheel installed. We develop customised test benches for vehicle development. Examples: - Transmission/drivetrain test benches - Electric motor test benches - Engine test benches

Schieferstr. 4
73119 Zell u. Aichelberg
Baden-Württemberg
Germany
www.auswuchttechnik-burkhardt.de

Main areas covered Test bench construction, Balancing

Infrastructure

Certifications ISO 9001

Keywords Balancing technology, Operational balancing, Natural frequency analysis, Test bench construction

Memberships



Organisation type

Small or medium-sized enterprise

Sectors



Employees

Up to 9

Turnover

n/a

Funding

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
<i>Products</i>			
Services & consulting Testing and trials, Engineering, Prototyping, Validation, Technology transfer, Maintenance and repair	✓	✓	✓
Field of technology			
<i>Design & layout</i>			
<i>Functional integration</i>			
Measuring and testing technology Component and part analysis, System analysis, Environmental simulation, Destructive analysis, Non-destructive analysis		✓	✓
Modelling and simulation Loads & stress		✓	✓
Plant construction & automation Plant construction, Handling technology	✓	✓	✓
<i>Recycling technologies</i>			

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing Deposition welding			✓
Coating (surface engineering) Painting			✓
<i>Fibre composite technology</i>			
Forming Bending			✓
Joining Adhesive bonding, Screwing, Welding			✓
Material property alteration Heat treatment			✓
<i>Primary forming</i>			
Processing and separating Drilling, Turning, Milling, Sawing, Grinding			✓
<i>Textile technology</i>			

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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>			
Metals			✓
Aluminium, Steel			
<i>Plastics</i>			
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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Contacts

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