

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

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

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	Research	Development	Manufacturing & Supply
<b>Material</b>			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
<i>Composites</i>			
<i>Fibres</i>			
<i>Functional materials</i>			
<b>Metals</b>			✓
Aluminium, Steel			
<i>Plastics</i>			
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

## Contacts

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### Contacts

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