

# SPEKTRA Schwingungstechnik und Akustik GmbH Dresden

## About this organisation

### Machine translation

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

The knowledge and skills of our employees in the fields of calibration equipment, vibration and shock exciters, services and customised measuring and testing systems are mutually utilised and multiplied. Together with the experience from our own service sector, product solutions are developed that give us and our customers a joint advantage in the market.

Many special customer requirements for our products have later resulted in standard products that enrich our product and service range. In the field of lightweight construction, SPEKTRA offers structural and modal analysis to investigate the behaviour of structures when subjected to force. From their evaluation, insights can be gained as to how the architecture can be optimised to withstand the environmental conditions.

Heidelberger Str. 12  
01189 Dresden  
Saxony  
Germany  
[www.spektra-dresden.com](http://www.spektra-dresden.com)



### Organisation type

Small or medium-sized enterprise

### Sectors



Others: Hersteller und Dienstleister von Mess- und Prüftechnik

### Employees

50 up to 249

### Turnover

€2m - €10m

### Funding

### Main areas covered

Structural analysis, Modal analysis

### Infrastructure

Calibration, Environmental test, Modal analysis, Structural analysis, Sensor characterisation

### Certifications

ISO 9001, ISO 17025

### Keywords

Environmental assessment, Characterisation, Modal analysis, Calibration

### Memberships

AMA, Silicon Saxony, ISO, DIN, DKD

## Overview of lightweighting expertise

### Machine translation

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	Research	Development	Manufacturing & Supply
<b>Offer</b>			
<i>Products</i>			
<b>Services &amp; consulting</b> Testing and trials, Validation, Simulation		✓	✓
<b>Field of technology</b>			
<i>Design &amp; layout</i>			
<i>Functional integration</i>			
<b>Measuring and testing technology</b> Component and part analysis, Environmental simulation, Destructive analysis, Non-destructive analysis		✓	✓
<i>Modelling and simulation</i>			
<i>Plant construction &amp; 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*

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## Contacts

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

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