



# Sensor calibration, verification and testing.

Throughout the entire lifecycle.



[www.spektra-labs.com](http://www.spektra-labs.com)

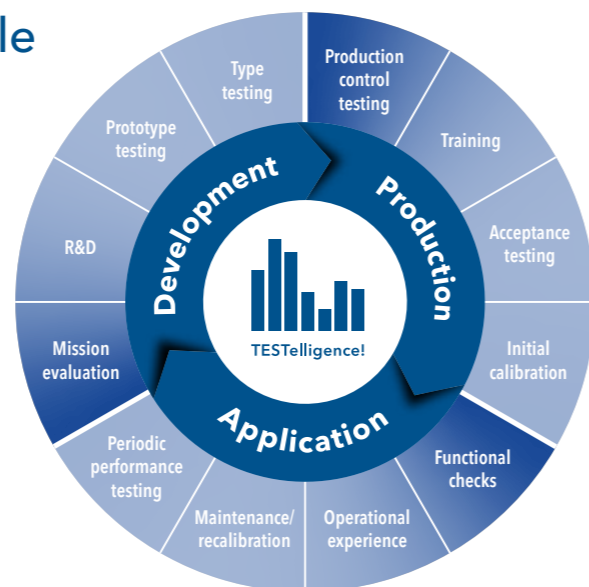
# TESTelligent services worldwide

## Your measuring equipment - our mission

### Along the entire product lifecycle

With labs in Germany and the USA, we provide a complete range of services to accompany your sensors throughout their entire lifecycle. From initial testing and development to regular calibration and long-term maintenance, we ensure optimal performance at every stage. Our facilities combine advanced technologies with proven, accredited processes: you can count on reliable measurements and seamless operations.

**SPEKTRA LABS was established to give customers worldwide access to precise, efficient and trusted testing and calibration expertise.**



 **Manufacturer-independent laboratory**

 **Accredited and factory calibration**

 **Extensive service portfolio**

## Measurements you can trust. Verified in our laboratories.

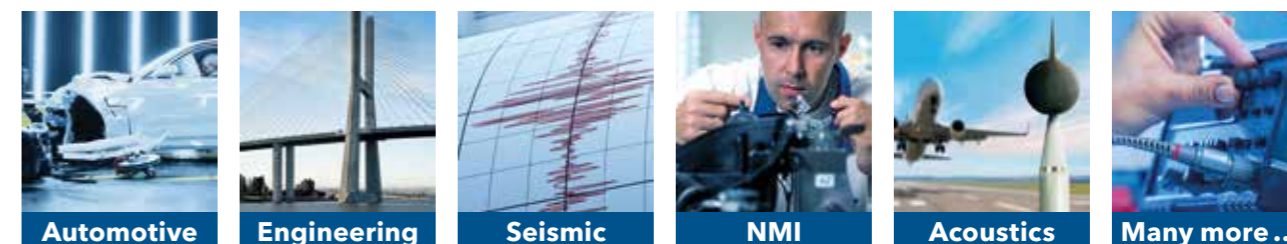


### Your benefits

- ✓ internationally recognized calibration certificates (DAkkS, A2LA/ILAC)
- ✓ fast turnaround times and clear processes
- ✓ specialized in dynamic measurands
- ✓ traceable measurements and reliable results
- ✓ know-how for individual requirements
- ✓ convenient service finder online

## Your partner for complex requirements and characteristic applications

SPEKTRA LABS provides customized services and expert solutions for a wide range of industries. Our offerings are tailored to meet specific business needs or application requirements.



- |   |   |   |   |   |   |
|---|---|---|---|---|---|
| <p><b>Automotive</b></p> <ul style="list-style-type: none"> <li>✓ NVH</li> <li>✓ crash tests</li> <li>✓ ADAS</li> </ul> | <p><b>Engineering</b></p> <ul style="list-style-type: none"> <li>✓ condition monitoring</li> <li>✓ sound and vibration immission</li> </ul> | <p><b>Seismic</b></p> <ul style="list-style-type: none"> <li>✓ geophones</li> <li>✓ seismometers</li> <li>✓ vibration meters</li> </ul> | <p><b>NMI</b></p> <ul style="list-style-type: none"> <li>✓ primary calibration</li> <li>✓ reference standards</li> <li>✓ ILC</li> </ul> | <p><b>Acoustics</b></p> <ul style="list-style-type: none"> <li>✓ microphones</li> <li>✓ sound level meters</li> <li>✓ dosimeters</li> </ul> | <p><b>Many more ...</b></p> <p>Visit our website and get in touch with our experts!</p> |
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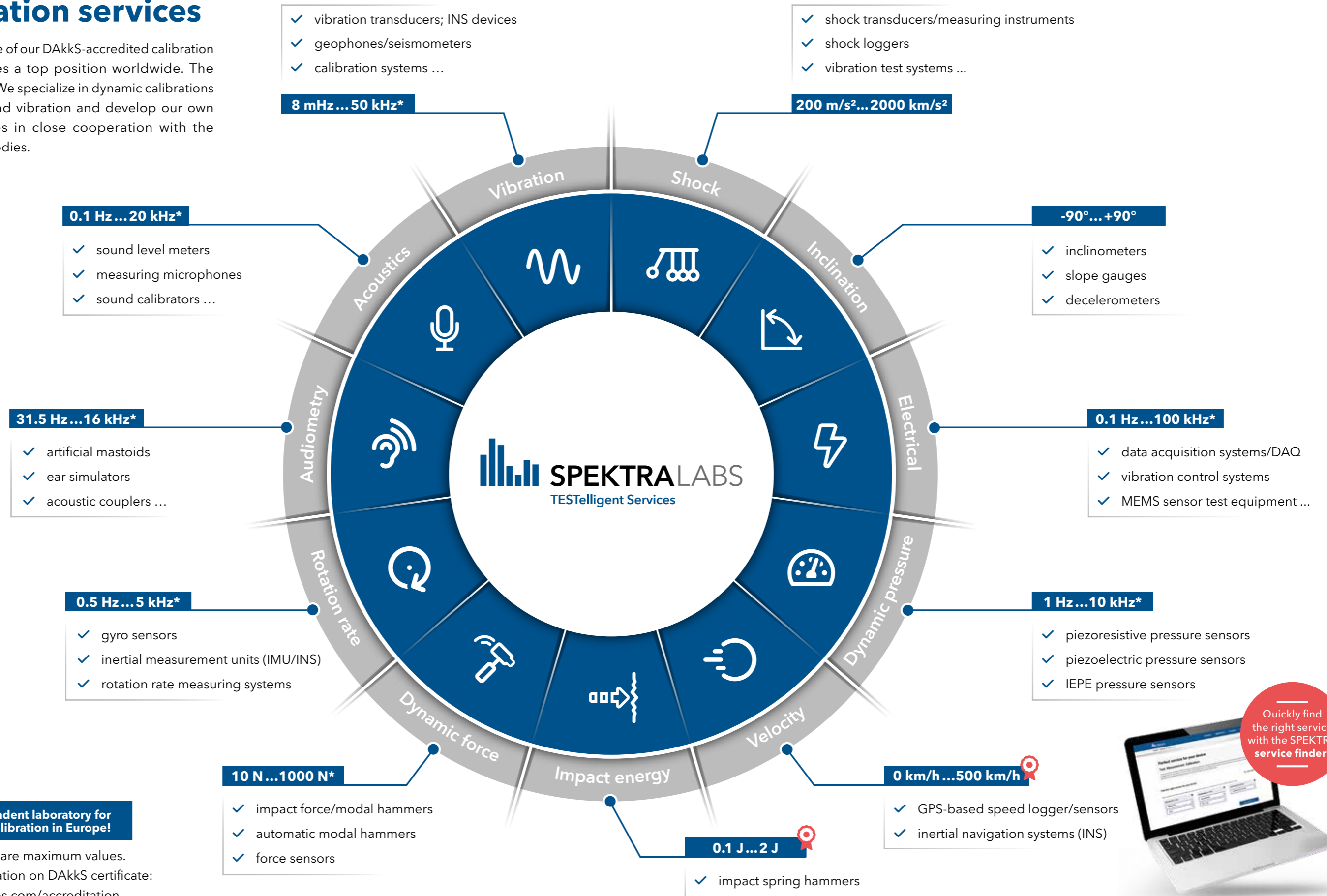


### Calibration know-how for various measuring devices

SPEKTRA LABS can calibrate, test and verify a broad spectrum of sensors, measuring devices and complete measurement chains. With extensive know-how and more than 30 years of experience in acoustics and vibration, we ensure the highest precision through proven and accredited processes you can trust.

# Calibration services

The performance of our DAkkS-accredited calibration laboratory takes a top position worldwide. The unique feature: We specialize in dynamic calibrations for acoustics and vibration and develop our own test procedures in close cooperation with the accreditation bodies.

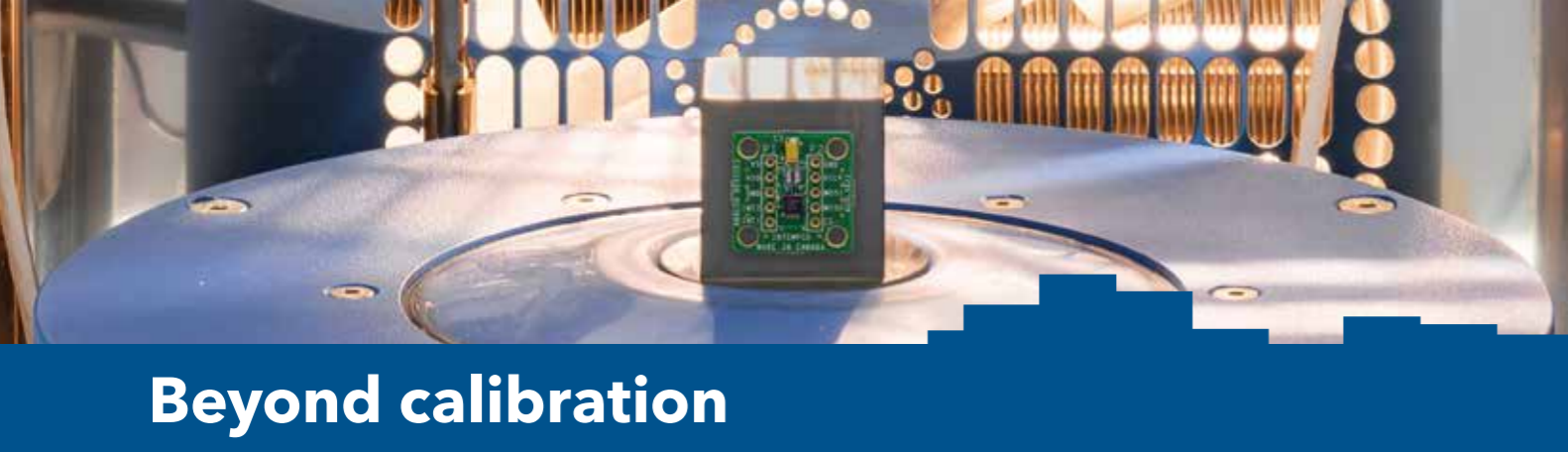


**Only independent laboratory for accredited calibration in Europe!**

\* Specified data are maximum values. Detailed information on DAkkS certificate: [www.spektra-labs.com/accreditation](http://www.spektra-labs.com/accreditation)



[www.spektra-labs.com/finder](http://www.spektra-labs.com/finder)



## Beyond calibration

**Testing, characterization and validation.**  
 Extended capabilities and expert-level services.



### Environmental simulation

Our services support quality assurance in research and development and production by testing how environmental factors affect your products. We offer mechanical, climatic and combined tests, along with real-time monitoring of analog and digital signals. Our experts run parallel tests and integrate



### Primary calibration and ILC

We offer primary calibrations with the highest precision and the lowest possible measurement uncertainty - ideal for calibrating primary standards and transducers traceable to SI base units. In addition, we organize and participate in interlaboratory comparisons (ILC) to help accredited laboratories verify, specify and document their measurement competence. Conducted in accordance with ISO/IEC 17025, these round robin tests support consistent quality, enhance credibility and provide reliable proof of performance for customers and regulatory bodies.



functional monitoring when needed. For special requirements beyond our in-house capabilities, we coordinate with trusted partners - ensuring reliable results from planning to final validation.

### Metrological tests / sensor characterization

Your applications, our solutions. Whether in the development phase, during production or commissioning, SPEKTRA LABS offers high-precision tests. Our experts can conduct checks on vibration behavior and measure influencing factors such as temperature, coupling or cables - flexibly and independently of manufacturers. We analyze the resonance of sensors, adapters, bonding wires or smart cards, test impact resistance, carry out durability and fatigue tests. Our modern lab technology and test equipment, customized reports and close coordination ensure reliable results.

### ★ On-site calibration

- ✓ first and only DAkkS accredited mobile laboratory for on-site calibration of vibration test systems
- ✓ directly at your site to avoid long downtimes
- ✓ possible deployment anywhere in the world
- ✓ condition monitoring of all electrical and mechanical components
- ✓ DAkkS accredited calibration certificates
- ✓ independent from manufacturers



### ||| SPEKTRA CAMPUS

#### Training, learnings and seminars

We offer flexible training options: online or on-site in Dresden, ranging from basic to expert-level content. Choose from free modules, live webinars or tailored seminars with hands-on lab insights. Our interactive formats, including a free 7-day trial, let you learn at your own pace and connect directly with our experts to address your real-world calibration challenges.



- ✓ webinars
- ✓ e-learnings
- ✓ technical seminars

### Certification Body

As an accredited and recognized Certification Body, we conduct conformity assessments for sound level meters and sound calibrators in accordance with legal requirements. Since 2015, private bodies like ours are authorized to issue certificates of conformity. We are accredited by DAkkS under DIN EN ISO/IEC 17065 and officially recognized by the BMWK under the German Measurement and Verification Act (MessEG) - ensuring reliable certification for market access.



### The labs network.

With locations in Germany and the USA, SPEKTRA LABS ensures fast, reliable service and expert support - delivering precision calibration and testing services for a wide range of dynamic measurands where it matters most.

SPEKTRA LABS Dresden  
Heidelberger Str. 12  
01189 Dresden  
**Germany**

+49 351 400 24 0  
sales@spektra-labs.com

SPEKTRA LABS SJC  
32124 Paseo Adelanto, Suite 3  
San Juan Capistrano, CA 92675  
**USA**

+1 (949) 606-4780  
sjc@spektra-labs.com

Would  
you like  
to become  
part of our  
lab network?  
Contact us!

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