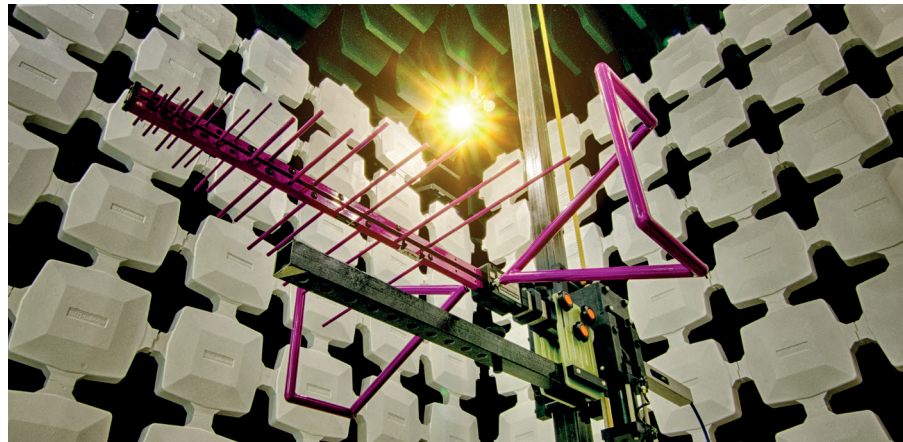


# INTERTEK KAUFBEUREN

## TRANSPORTATION TECHNOLOGIES LAB

**Intertek Kaufbeuren is more than an automotive test facility as their skills and equipment are widely used by companies in automotive, aerospace, railway, shipping, household, medical and other industries as well.**



### Overview

Intertek Kaufbeuren is a state-of-the-art 5,000 m<sup>2</sup> lab with an extremely diverse set of service offerings. We offer a variety of services for the automotive and aerospace industry but also assist many other industries such as medical and household to name a few. The Intertek Kaufbeuren team has a diverse background with many employees having worked in the industry for more than 30 years across multiple disciplines such as electrotechnics and mechanical engineering.

### Lab Certifications

DAKKS ISO 17025  
IECEE CB; NRTL ETL

### Local Contact Information

Innovapark 20  
87600 Kaufbeuren, Germany  
Tel: +49 8341 9556 0  
Operations Manager: Thomas Carl

### Primary Lab Capabilities

- Electromagnetic Compatibility (EMC)
- Performance
- Durability
- Environmental
- Vibration
- Product Safety

**5,000+**  
**Square meter**

The size of  
the facility at  
Intertek  
Kaufbeuren

### About Intertek

Intertek is a leading Total Quality Assurance provider to industries worldwide.

Through our network of more than 1,000 laboratories and offices and over 42,000 people in more than 100 countries, the Group is re-defining the industry with our Total Quality Assurance proposition.

We go beyond physical quality control to provide total peace of mind through our innovative and bespoke Assurance, Testing, Inspection and Certification solutions for our customers' operations and supply chains.

Intertek Total Quality Assurance expertise, delivered consistently, with precision, pace and passion, enabling our customers to power ahead safely.

## Electromagnetic Compatibility Equipment/Capabilities

- Commercial/ Medical, Military/ Aerospace and Automotive radiated and Conducted Emissions and Immunity (ALSE and Reverberation)

### Common Standards

- CFR 47 FCC, Part 15 & Part 18, CISPR Methods, RTCA DO-160, IEC 60601, IEC 61000 Automotive OEM specifications

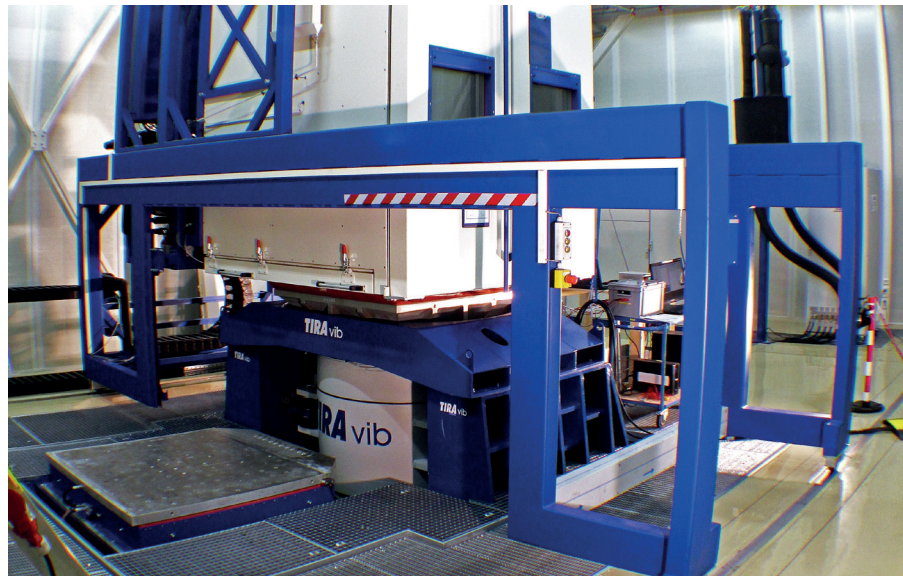
## Materials Testing

### Equipment/Capabilities

- Corrosion-CCT, Salt Fog, Humidity, Chemical resistance

### Common Standards

- Corrosion: SAE J2334, GMW 14872, PV 1204, IEC 60068-2-x
- ASTM, SAE, ISO, DIN, Automotive OEM specifications (NA, EU, Asia)



200kN Shaker at Intertek Kaufbeuren

## Durability, Accelerated Stress Testing (AST) & Vibration

### Equipment/Capabilities

- Key Life Testing
- 5kN - 200kN Electrodynamic Shakers
- Climate Chambers
- Dust chambers
- Mechanical Fatigue Cyclers
- Custom Built Fixtures

### Common Standards

- Custom designed test programs for each customers need

## Simulated Environmental Performance

### Equipment/Capabilities

- Programmable chamber exposures (-70 to 180°C, 2% - 98% relative humidity 2-6°C/min, 200-17,000 l)
- Thermal Shock testing and Thermal Aging
- Altitude simulation to 30,000 meter

### Common Standards

- Salt Spray: ASTM B117, USCAR-1, ISO 16750-4, DO-160, IEC 60068-x

## Light

### Automotive

- FMVSS 108-CFR Title 49, Subtitle B, Section 571, Subpart B, Section 571.108
- CMVSS 108 - only differs from FMVSS108 in two major areas (DRL, ECE), Canada
- Society of automotive Engineers (SAE)
- ECE Regs- Requirements in Europe

### Traffic Control

- EN 12368 Traffic control equipment- Signal heads
- (LED) Circular Signal Supplement
- (LED) vehicle Arrow Traffic Signal Supplement
- (LED) Signal Modules
- AREMA (Railroad Crossing Signals)
- FRA (Rear End Marking Devices)

## Functional Safety

### Equipment/Capabilities

- Risk Assessment
- FMEA
- Reliability Calibration Assessment
- SW Assessment

### Common Standards

- IEC 61508, ISO 26262, ISO 13849-1/-2 (ISO 12100)

## Product Safety & Electrical Testing


### Equipment/Capabilities


- Dielectric Strength Tester
- Leakage Current Tester
- Custom built equipment

### Common Standards

- Custom designed test programs, IEC 61010, UL 962, UL 1286, CSA C22.2 no 68, IEC 60335, IEC 60950

### FOR MORE INFORMATION

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 [intertek.de/dienstleistungen](http://intertek.de/dienstleistungen)