



SPEKTRA GmbH Dresden

SPEKTRA GmbH - a Company with a Profile

SPEKTRA Schwingungstechnik und Akustik (Vibration and Acoustics) GmbH Dresden was established in 1994 by members of the staff of former VEB Robotron Messelektronik Dresden, Division of Sound, Vibration and Force Measurement. Until 1989, Messelektronik was one of the leading manufacturers in sound and vibration measuring equipment worldwide.

Based on decades of experiences in the field of "Electrical measurement of mechanical quantities", SPEKTRA has in recent years grown a stable middle-class enterprise.

To-day the operation of SPEKTRA GmbH is based on three powerful fields of activity - **Projects** - **Products** - **Services** - all of which contribute to the overall success of our company.

Projects

In the Projects division, dedicated hardware and software is developed on assignment to solve special measuring tasks, in particular in the field of sound and vibration measurement. We also assume the initial after-sale engineering service at the customer's premises once the equipment has been supplied and commissioned.

Just to name two examples: Test systems for the quality and reliability of airbag sensors and systems for the adjustment of airbag sensors in a production line.

In the field of projects, SPEKTRA is operating all over Europe. Our first CS17 Calibration system was implemented as a project for a customer in the Netherlands.

More often than not, re-usable projects have been the starting points of devices that have become standard products of our company.

Products

In the Products division, work has focussed for some years on the CS18 series of Calibration Systems for use in sound and vibration measurement.

SPEKTRA has developed a modular hardware programme on which the electronic measuring, analysis and control components of the systems are based. To-day eight versions of the CS18 system are available for vibration engineering - each dedicated to some other typical job -, another two versions are available for acoustical engineering. There are systems for comparison calibration as well as absolute calibration. Each system is accompanied by a dedicated software package.

All our systems are sold worldwide.

Our range of products also include:

- Shock-test systems for exposing small components and modules to extreme acceleration
- Telephone test systems
- Vibration test systems in a wide range of performance
- Vibration control systems

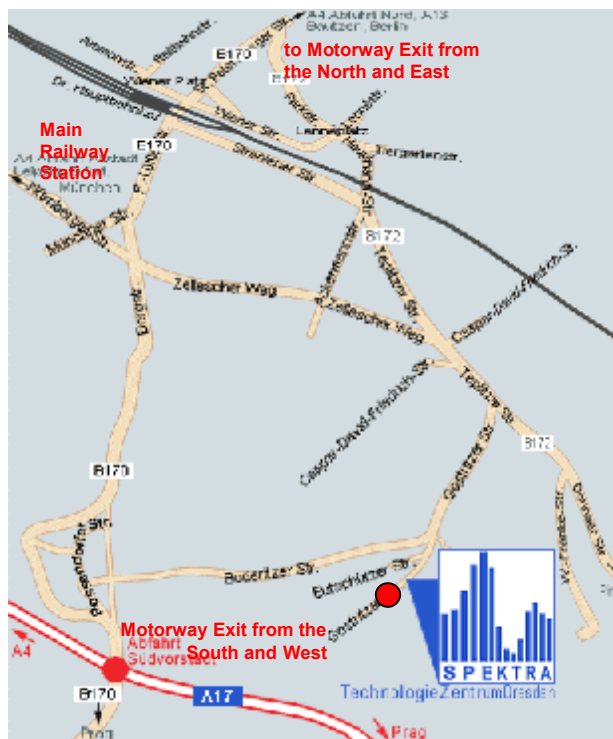
Services

From the very beginning, SPEKTRA have utilized their proficiency in products and projects in customer services.

In their **DKD Calibration Lab** DKD-K-27801, all types of vibration sensors, microphones, instrumentation amplifiers, sound and vibration meters are calibrated.



Premises of SPEKTRA GmbH at TZ Dresden, Germany



How to get to SPEKTRA GmbH Dresden, Germany

TechnologieZentrumDresden (TZD) at Gostritzer Strasse 61-63, 01217 Dresden, Germany, in the immediate vicinity of Autobahn (motorway) A17 - Dresden - Prag, Exit Suedvorstadt (B170 to Altenberg / Teplice) and near major road B172 to Pirna / Decin.

Their laboratory is accredited to DIN EN ISO/IEC 17025; it is subject to permanent evaluation and extension.

The **DAP Test Laboratory** of SPEKTRA has focussed on environmental simulation in the fields of vibration, temperature and climatic testing. The tests are carried out to ISO, EN, MIL or factory standards, depending on the requirements, in single or combined mode. Our test lab is specifically suited for small components like those typical of automobile sub-suppliers' products.