



Training Seminar

Module 01 – Discover the Fundamentals of Vibration Testing



26, 27 and 28 November 2024
Bergschenhoek - Netherlands



Enhance Your Team’s Expertise with Our Vibration Academy

Invest in your team's ability to perform effective vibration testing through our comprehensive Vibration Trainings. Our continuing education seminars are specifically designed for test engineers and professionals who want to deepen their understanding of vibration testing fundamentals.

Participants will gain hands-on experience with controller software and learn essential techniques to ensure accurate and reliable testing outcomes. Whether you're new to the field or looking to refine your skills, our program provides the knowledge and tools necessary to excel in vibration testing.

Trainers:



Peter-J. Sikora – Trainer at Vibration Research

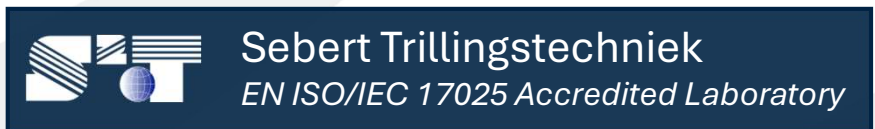
With extended years of experience working as a test engineer on safety tests, e-mobility, and environmental requirements with different shaker- and controller types, he shares his essential knowledge in theory and practice.



Lukas Wagner – Trainer at Tira

With many years of experience serving customers, he possesses deep expertise in the requirements and challenges of working with shakers across various industries, from sensors to automation solutions.

In cooperation with:



Program (2-day theoretical): Discover the Fundamentals of Vibration Testing

Module I offers an in-depth exploration of the principles and challenges of operating a shaker. This module is designed to equip participants with a comprehensive "toolbox" of knowledge necessary for effective vibration testing.



Key topics covered include:

- Understanding the core components of vibration testing and the critical role they play.
- Identifying and addressing the causes of shaker wobbling and the risks of misinterpreting system components.
- Navigating the complexities of interdependent components, especially when adjusting individual axes.
- Exploring the balance between intuitive and counterintuitive aspects of vibration testing, such as SINUS and shock strain.
- Delving into the importance of frequency response, resolution, antialiasing, and measurement uncertainty.
- Addressing common challenges and the principles behind troubleshooting and resolving issues.

Join us to gain the expertise needed to perform precise and reliable vibration testing, while mastering the intricate relationships between system components

Program (1-day practical):

Apply what you have learned directly into practice in Sebert's state of the art vibration lab.



The practical day builds directly on the theoretical knowledge gained over the previous two days. Participants will engage in hands-on exercises, applying concepts like vibration testing, equipment setup, and data analysis.

This immersive experience is designed to solidify your understanding and ensure you're confident in operating shakers in real-world scenarios.



Sine



Random



Shock



System Check



Live Analyzer



Recorder View

Vibration Academy® is an initiative of Quantify bv and j.j. bos bv
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