

WEB-Seminar:

Calibration of positioning axes, CMMs and machine tools

06 May 2021, 7:30 am and 4:30 pm (CET, Berlin)

Permanently increasing demands on the accuracy of manufacturing processes require the use of high-precision positioning axes, coordinate measuring machines and precision machine tools. A fundamental part of the calibration and acceptance of these devices and machines is the most accurate possible determination of the measurement and positioning deviations. Often, the calibration process is extremely labor-intensive and time-consuming on a day-to-day basis. It is understandable that the time factor, in parallel with measurement accuracy, is becoming an increasingly important focus of quality management.



In our webinar: **Calibration of positioning axes, CMMs and machine tools**, Wolfram Meyer, a proven SIOS calibration expert, will give you insights into the theory and practice of calibration.

Learn more in the **theoretical part** about:

- geometric deviations on machine axes and their designations,
- types of geometric error compensation,
- the process of calibration via compensation to verification,
- the acceptance tests,
- necessary hardware and software

and in the **practical part**

- how easy it is to handle and adjust a measuring system on the line,
- how to perform precise calibration of linear axes,
- how to quickly and reliably perform acceptance measurements with a compact laser interferometer,
- how several degrees of freedom can be measured simultaneously with a multibeam interferometer and used for verification and correction

At the end of the seminar we will be happy to answer your questions.



Wolfram Meyer, Sales Engineer

Quick Info

Date: Thursday, 06 May 2021

Time: 07:30 am CET, Berlin
04:30 pm CET, Berlin

Speaker: Wolfram Meyer, Sales Engineer, SIOS Meßtechnik GmbH

Seminar venue: Online Webex Meeting

Language: English

Target group: Measurement technicians, engineers, designers, quality managers, production planners, project managers and scientists

Industries: Coordinate metrology, optics industry, metrology, high-precision mechanical and apparatus engineering, Research and development

We are looking forward to your participation and the dialogue with you.



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