

Seminars and workshops

Practical training in measurement technology

From the practice for the practice!

We impart well-founded basics in essential areas of optical testing technology and length and angle measuring technology. In workshops on in-house measuring equipment we provide all necessary knowledge.

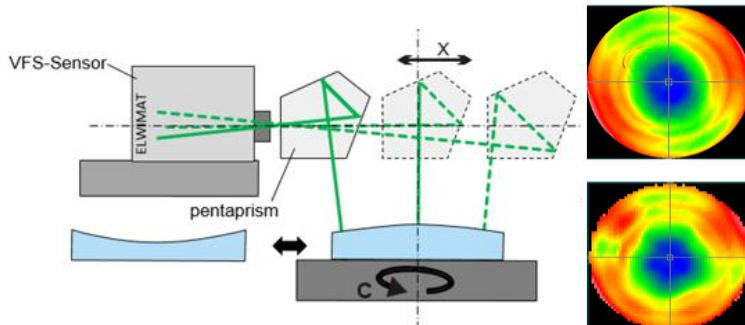
This enables your employees to familiarize themselves quickly. The benefits are obvious:

- Safety in measurement technology and therefore manageable tolerances
- Shorter measuring/testing and throughput times
- Personal development and motivation boost
- Interdisciplinary cooperation opens up synergies



The themes:

- Measurement technology general
- Manufacturing and test equipment monitoring
- Optics general
- Production measurement technology optics
- Software seminar



Measurement technology general

- Measurement technology basics DIN 1319 / GUM
- Mechanical length measurement
- Basics of optomechanical quality assurance

new

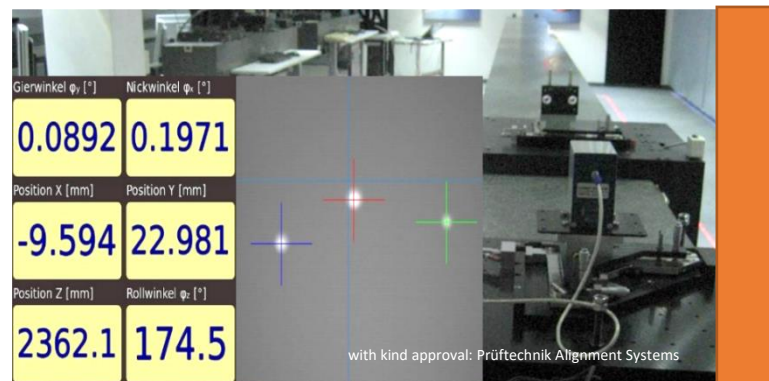
Manufacturing and test equipment monitoring

- Straightness with electronic autocollimator
- Parallelism and squareness measurement
- Flatness Measurement with electronic autocollimator
- Tilt angle measurement with electronic autocollimator
- Position uncertainty – rotational axes
- Position uncertainty laser
- Set tolerances

Production measurement technology optics

- Optical length measurement, basics
- Optical angle measurement
- Centration measurement
- Centration measurement aspheres
- Usage optical angle measurement technology in optics fabrication and quality assurance
- Optical methods of testing
- Measurement and testing with collimator, telescope and autocollimation telescope
- Interferometric surface metrology part I
- Interferometric surface metrology part II
- Goniometer - basics
- Goniometer part I: high precision angle measurement
- Goniometer part II: refractive index measurement/dispersion
- Theory and practise for measuring of modulation transfer function (MTF)
- Calibration autocollimation telescope

new



Optics general

- Basic of technical optics
- Qualities of optic materials and components
- Image errors and aberrations in optical imaging
- Tolerancing in optic items
- Application of DIN ISO 10110 in practice

new

Software seminar

- Software ELWISOFT

Detailed brochure for download under: <http://hofbauer-optik.de/html/download/prospekte.html>

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