

High resolution wavefront sensing solution for quality control of Sports Optics: riflescopes, binoculars

Challenges / Goals

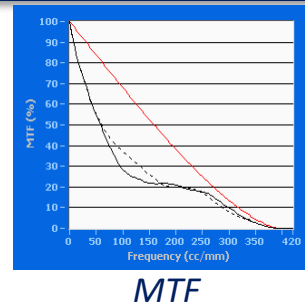
Sport optics (ex. riflescopes, binoculars) is optical system with specific technical requirements such as high accuracy performance.
Characterizing Sport optics with precise, complete and reproducible measurements.

PHASICS propose various solution for optical quality control of Sport Optics:
All levels of integration from the single wavefront sensor to the complete turnkey system

- ✓ Modular metrology system => Kaleo Kit
- ✓ Wavefront test station => Kaleo MultiWAVE

Outcomes

- Wavefront measurement
- Robust PSF and MTF (on & off axis) calculations
- Optical aberrations, Zernike analysis
- Comparison to Zemax design
- Magnification



Advantages

Precision

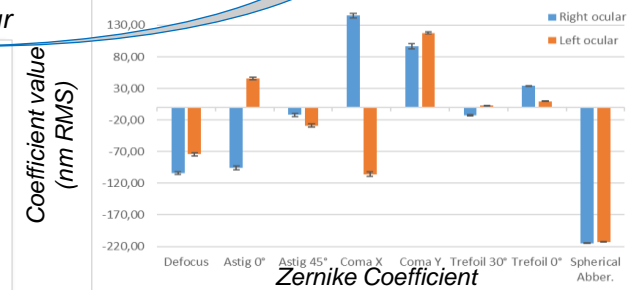
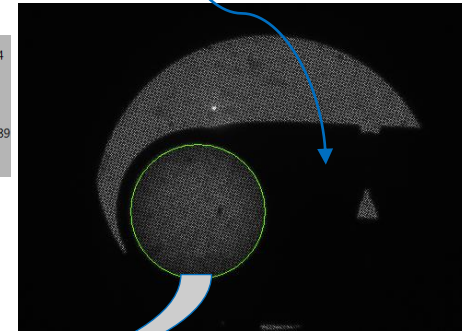
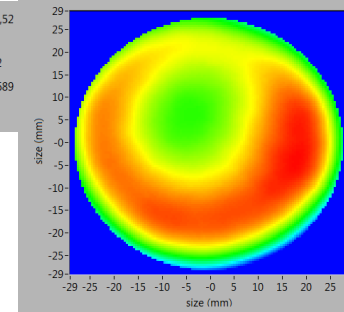
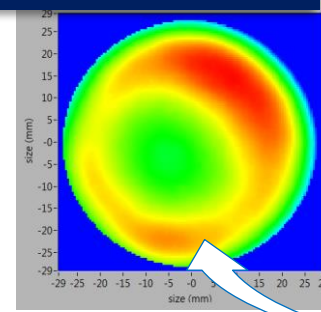
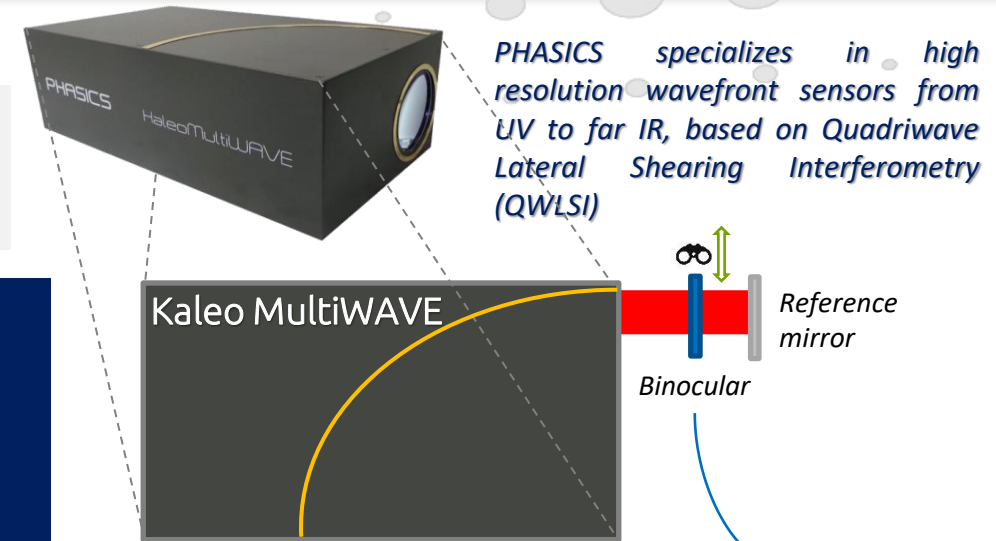
- Nanometric accuracy
- High-resolution measurement

Versatile measurement

- One-step alignment process
- Direct access to measurement results
- Live & single-shot measurement

Reliable measurement

- Operator independent results
- Compatible with workshop environment
- Vibration insensitivity



Thank you! Question?
For more information:
Contact us: contact@phasics.fr

