



Know your quality – Optical metrology made by OPTOCRAFT

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**SOLUTIONS FOR ASTRONOMY  
& SPACE TECHNOLOGY**





## TELESCOPE MANUFACTURERS

### > TESTING OF TELESCOPE OPTICS <

Optocraft develops and produces high end wave-front sensors with extremely high intrinsic accuracy for testing telescope optics and alignment of telescopes. Their extreme dynamic range enables the measurement of aspherical optics or allows adjustment of optical systems starting from poor initial alignment states. Furthermore, measurement at different wavelengths and with coherent or non-coherent sources is possible. Besides the sensor heads SHSLab, versatile, compact measurement modules of the SHSInspect product series are available. The software SHSWorks offers a broad range of tools for everyday work as well as for demanding development projects.

## SPACE TECHNOLOGY

### > ALIGNMENT OF OPTICAL INSTRUMENTS <

Besides the realization of high-end metrology systems for optics testing, Optocraft offers wave-front sensors as OGSE (Optical Ground Support Equipment) for the set-up and alignment of optical systems for space scientific instrumentation. Easy calibration and an outstanding performance is achieved when working in double pass configuration.

Wavefront sensors can be implemented for different wavelength ranges (DUV-SWIR) and can be adapted to individual needs. They feature high evaluation rates which allow for system alignment in realtime. Besides the implementation of dedicated measurement systems, Optocraft provides engineering support (optical simulation and system design), installation and training services and more.

## OBSERVATORIES

### > ADAPTIVE OPTICS <

Based on our experience in the setup and usage of fast wave-front sensors, Optocraft is a reliable partner for the planning and development of applications in the field of Adaptive Optics. Optocrafts wavefront sensors can be used with adaptive optics components of different technologies and vendors.

Due to the usage of different interfaces and SDKs, fast cameras of all state-of-the-art manufactures can be used to develop adequate individual wave-front sensor solutions.

### > ACTIVE OPTICS <

For “bright light” applications a broad range of wave-front sensors is available based on standard industrial cameras. For “low light” applications custom specific wave-front sensors can be realized, based on cooled low-noise cameras from state-of-the-art manufactures featuring USB-, Gigabit Ethernet- or CameraLink-interface. Also the micro-lens design can be individually adapted to specific needs. Via bi-directional data link (TCP/IP) Optocrafts measurement software SHSWorks can easily be integrated into the customer’s software.

