



Based on the latest advances in wavefront analysis **WaveGauge®** is the ideal wavefront sensor for optics and microlenses quality control or laser beam analysis.

**WaveGauge®** provides outstanding measurement capabilities offering **unique benefits**:

- High spatial resolution and sensitivity for better optics characterization
- Real time wavefront analysis allows high sample throughput
- **WaveGauge®** is vibration insensitive for testing aspherical optics and laser beam in lab or production environment
- **WaveGauge®** is a cost effective QC instrument, improving productivity with fast return on investment

### Specifications

Aperture diameter, mm	3 - 8
Number of measurement points	500 x 500
Tilt dynamic range, $\lambda$	1500
Focus dynamic range, $\lambda$	500
Repeatability RMS, $\lambda$	< 0.001
Absolute accuracy, $\lambda$	< 0.01
Measurement frequency, Hz	15
Wavelength range, nm	350 - 1100

### Software

- **Acquisition**  
Automatic calibration & acquisition  
Live display of 2D and 3D wavefront, fringes and phase  
Live display of camera image
- **Wavefront Analysis**  
Real-time Seidel and Zernike analysis and display  
Tilt, focus, astigmatism, coma, spherical, HOAs  
Live display MTF & PSF, Strehl ratio
- **Export & Report**  
Wavefront, slope and Zernike data  
Report Editor  
HTML Compatible Presentation

**High precision wavefront analysis for optical components and laser beam characterization**