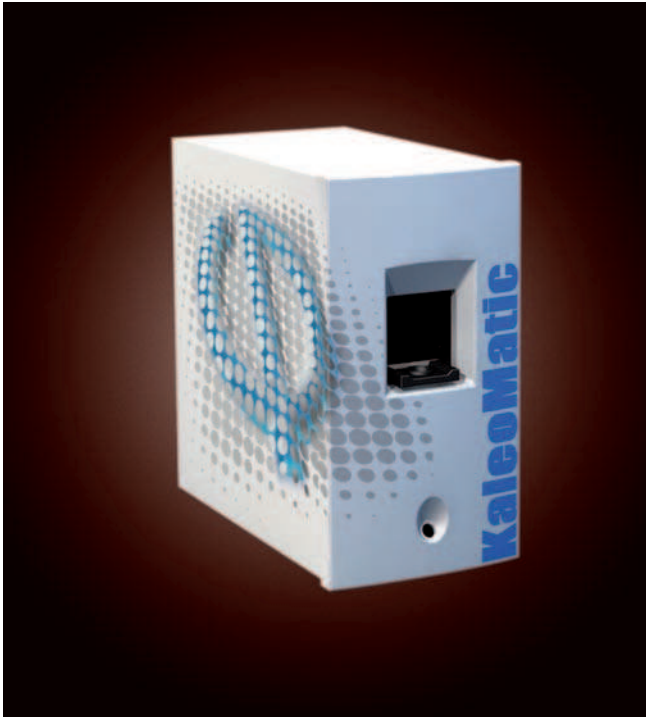


KaleoMatic



KaleoMatic is the solution for fast and precise optics characterization. Within a few seconds, most of the optics parameters (including focal length, MTF, aberrations) are determined thanks to the automation of the Kaleo machine.

"COST EFFECTIVE TOOL FOR FAST AND ACCURATE LENS CHARACTERIZATION"

Taking benefit of PHASICS patented wave front sensors and metrology techniques*, automatic measurements are highly reproducible and accurate.

PHASICS - The phase control company

KaleoMatic addresses the needs in R&D laboratories as well as in any production line.

Whether you would like to test manufactured optics or you are an integrator that wishes to test external supplier optics, with **KaleoMatic**, you will not need a specific optical laboratory to check the quality of your optics.

Within seconds, you can get a GO/NO GO conformity report of your lenses. In addition, you understand why a lens got a NO GO measurement: aspherisation error, multiple element misalignment, defective mold...

→ KEY FEATURES

- Completely automatic lens characterization
- Get all optical parameters at once: MTF, EFL, Aberrations, PSF...
- MTF is given for arbitrary azimuths
- Simple and ergonomic user interface
- Customizable GO/NO GO indicator and report
- Customizable report (from R&D complete report to production qualification datasheet)

AUTOMATIC LENS QUALITY DIAGNOSTIC

Example of *Kaleo* fully customizable characterization report →

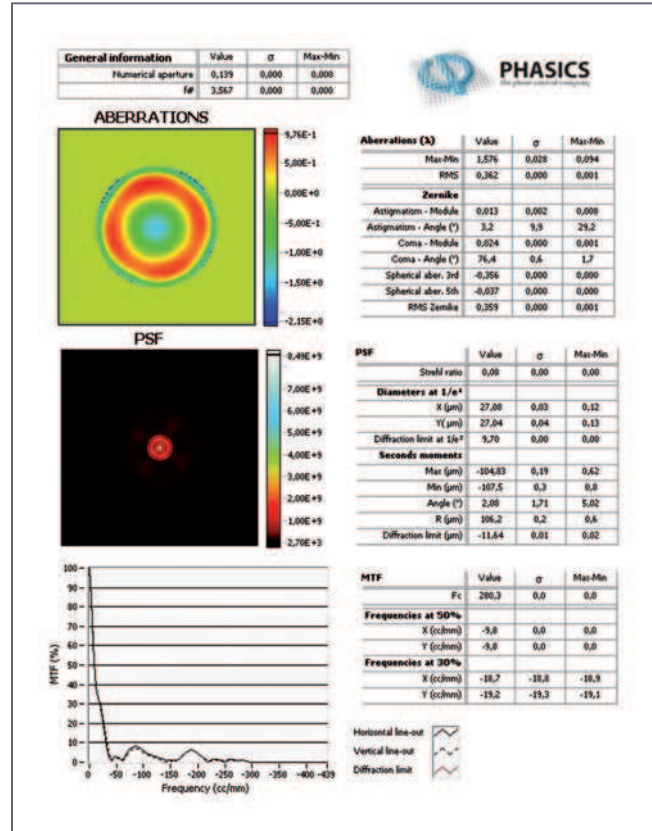
→ BENEFITS

- High reproducibility
- Operator-independent
- Unrivaled high resolution aberration maps
- Versatile tool for R&D or production
- Insensitive to vibrations : can be used in production environments



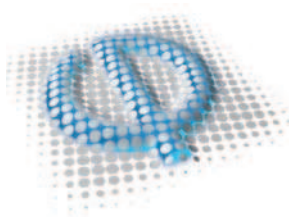
↓ APPLICATIONS

- Imaging lenses (spherical, aspherical, plastic)
- Contact lenses
- Intraocular lenses (Mono and Multifocal)
- Collimation lenses for laser diodes and fibers
- Photographic objectives
- Cameraphones



↘ SPECIFICATIONS

Optics diameter	3 to 20 mm	
Focal length	3 to 50 mm	
Numerical aperture	Up to 0.3 (F/1.5)	
Focal length	Sensitivity	< 0.1 %
	Accuracy	< 0.5 %
	Reproducibility	< 0.4 %
Aberrations	Sampling	Up to 120x120
	Sensitivity	2 nm
	Accuracy	10 nm
	Dynamic range	50 µm (w/o sphere)
FTM	Sensitivity	< 1%
	Frequency (@550 nm)	Up to 1200 cc/mm



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