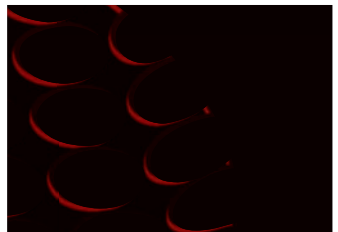
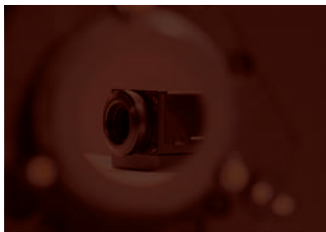
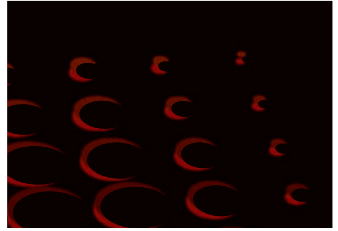
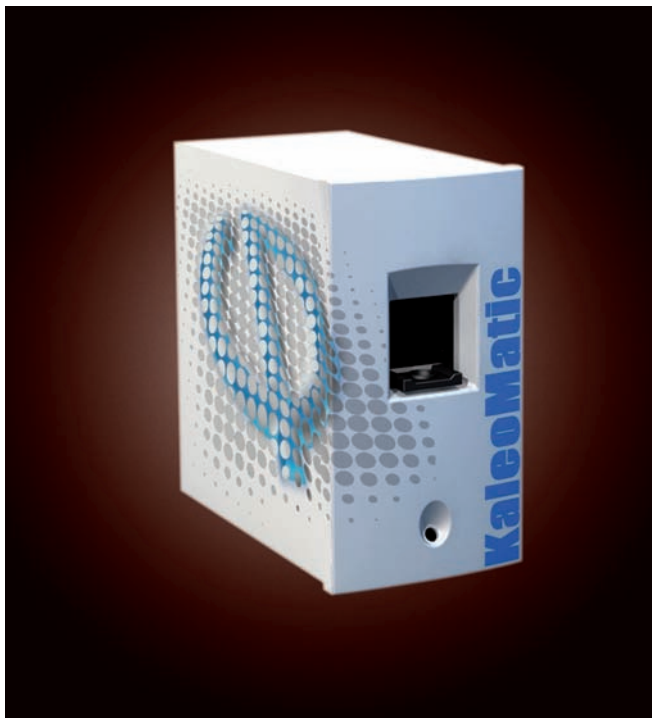


# KaleoMatic



# 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 →

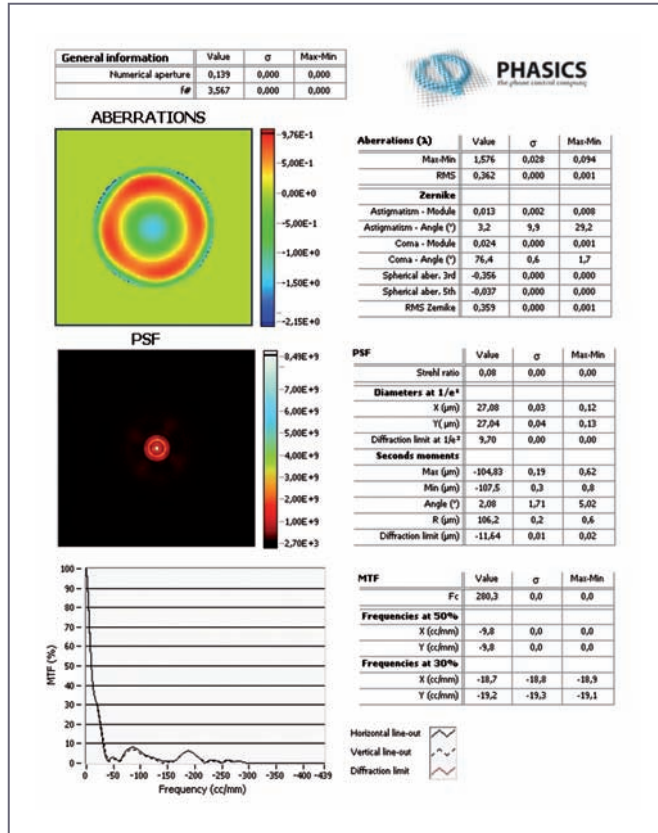
## → BENEFITS

- 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



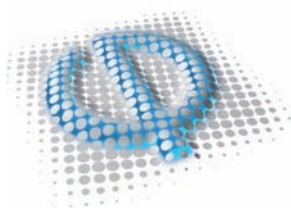
## ↓ APPLICATIONS

- 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
FTM	Dynamic range	50 μm (w/o sphere)
	Sensitivity	< 1%
	Frequency (@550 nm)	Up to 1200 cc/mm



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