

Test & Measure Services

Optical Lens Testing



- > Lens power mapping
- > Transmission & absorption
- > Reflectance
- > Colour analysis
- > Haze / Clarity testing

Physical Lens Testing



- > Precision lens surface scanning
- > Direct comparison with generator file
- > Coating performance testing
- > Surface wetting angle

General Product Testing



- > Frame endurance / Quality testing
- > Force / Deformation testing
- > Prevision dimensional measurement
- > CAD compare

Data Capture & Analysis



- > Data download from digital lens meters (incl. pass / fail)
- > Compatible with data-enabled lens meters (e.g. Nidek)
- > Integration with lab management systems for enhanced job traceability & statistical process control

Consultancy Services



- > Support to develop bespoke tests
- > Product quality trouble-shooting
- > Optical system simulation
- > New product design, prototyping, and testing

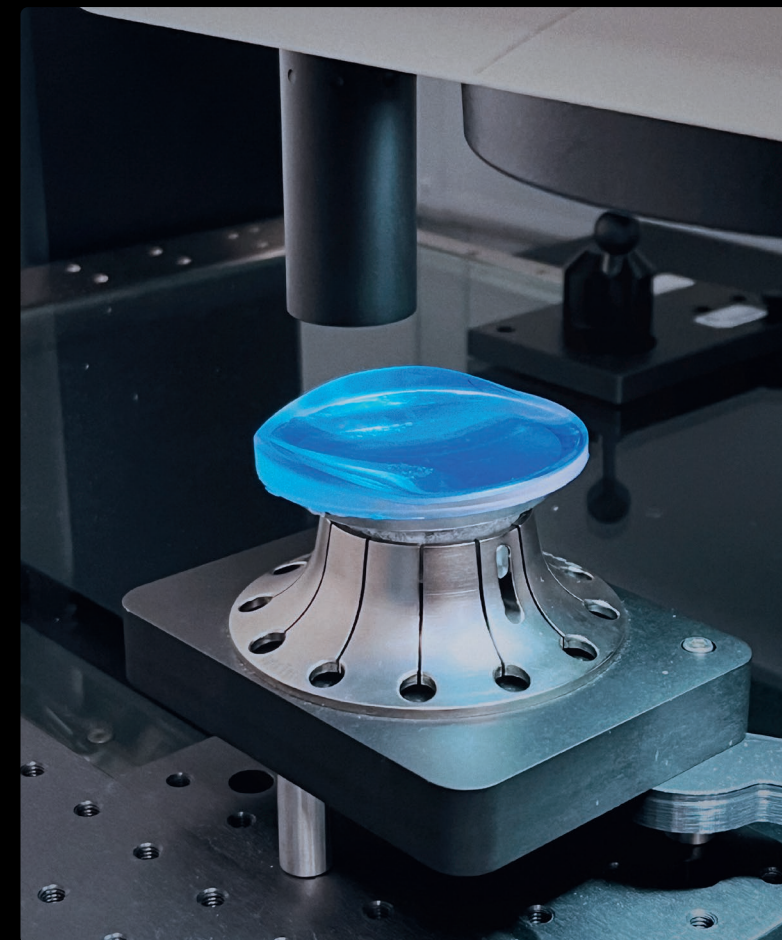
Oxford Optical Laboratories provide expert and independent testing for optical products.

Testing can be performed on materials, lenses, or product components.

A full range of test equipment is available for ISO standard and bespoke testing.

This list is not exhaustive. Contact us to discuss your specific measurement requirements

- ⚙ Improving yield and reducing rework
- ⚙ Increase in quality, efficiency, traceability and customer service
- ⚙ Faster and more effective troubleshooting



LEFT:
PRECISION SURFACE MEASUREMENT INC.
COMPARISON TO GENERATOR FILE



TOP RIGHT:
POWER CHECK AND DATA CAPTURE
SOFTWARE INCL. PASS/FAIL



BOTTOM RIGHT:
OPTICAL LENS TESTING;
TRANSMISSION / HAZE / SPECTRO

Oxford Optical Laboratory

Design | Make | Measure

WHO WE ARE:

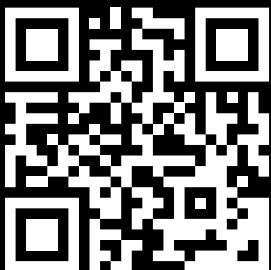
Oxford Optical Labs are an experienced team of Optical Scientists, Engineers and Ophthalmic professionals. We deliver complete innovative solutions and ophthalmic testing services, where visual experience, optical technology and manufacturing know-how come together.

WHAT WE DO:

- ↑ Uniquely bringing together expertise from the often **disparate worlds of optics and ophthalmics** to create better products.
- ⚙ Innovating solutions to address **emergent problems in optical systems** for human and machine vision.

LET'S START A CONVERSATION:

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Get in
touch