

Full Wafer-scale Micro-lenses Quality Control by DHM®

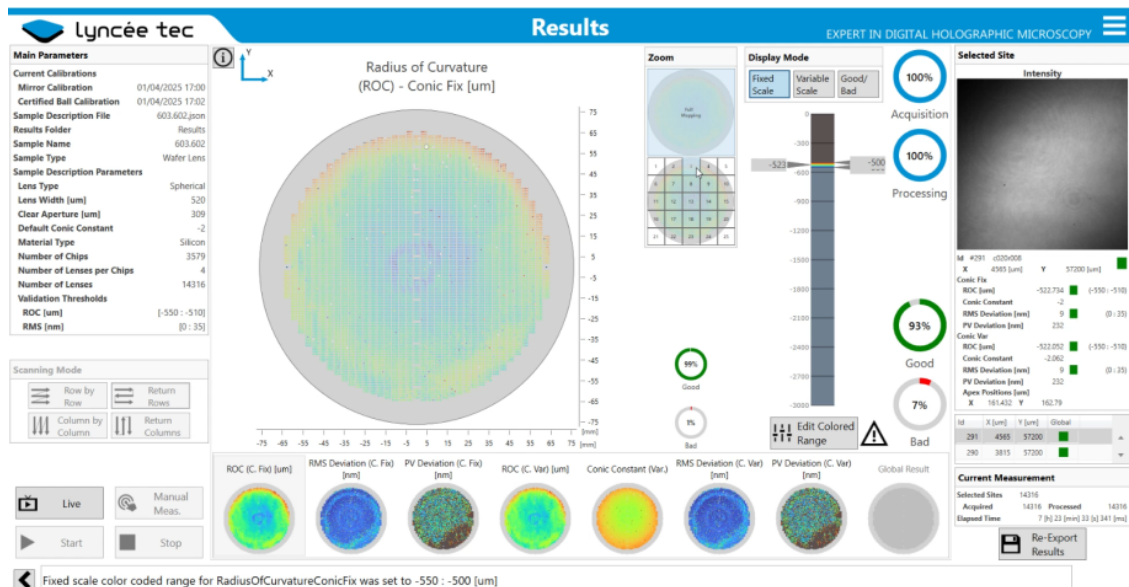
Digital holographic microscopes (DHM®), integrated into **industrial-grade motorized platforms** and automated by **dedicated software**, guarantee unmatched speed and precision.



Micro-lenses Metrics

- Radius of Curvature (ROC)
- Conic Constant
- RMS from residuals maps

Simple and Intuitive User Interface

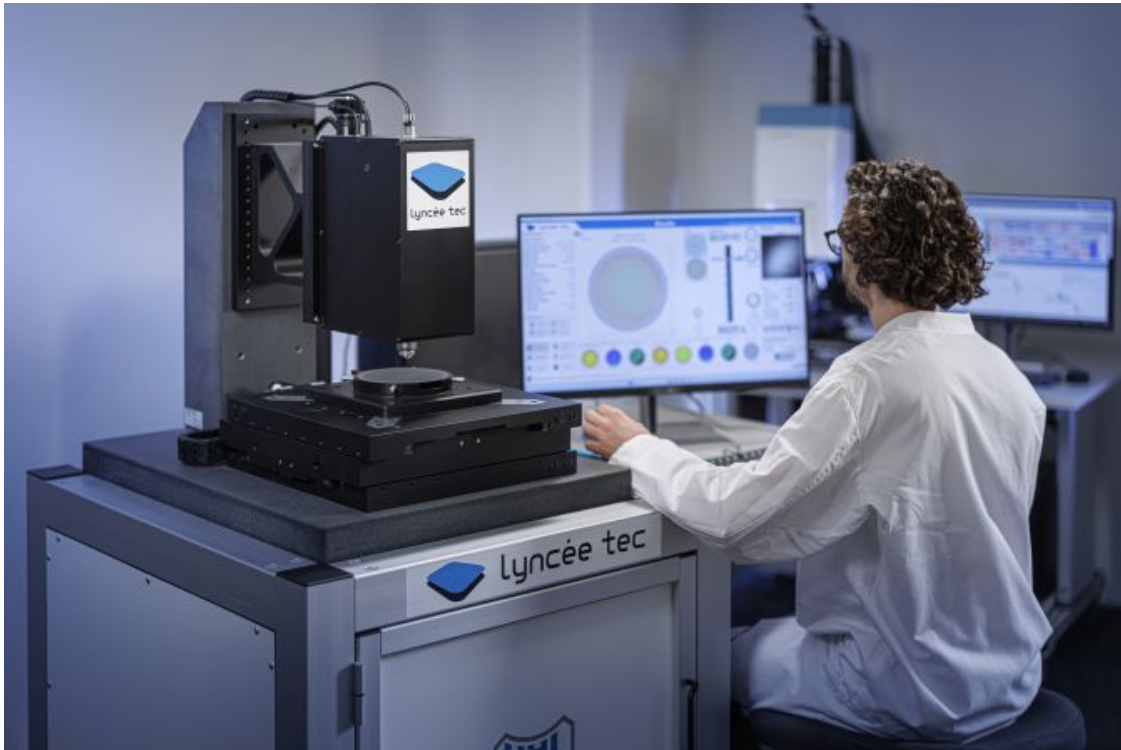


Fast visual inspection for quality control

User Interface main features:

- Wafer description file is pre-defined by administrator
- Measured lens can be selected in UI or pre-specified
- Data acquisition, the calculation of metrics, their visual display, and the decision to accept or reject each micro-lens are performed in parallel.
- After acquisition, the operator can review individual lenses.
- Results export: topography and metrics data

Fast measurements with interferometric resolution



Fast visual inspection for quality control

- **Micro-lenses/Wafer Material:** Glass or Silicon
- **Acquisition and analysis time:** 0.25 sec / lens
- **ROC > 250 microns** (objective selection dependant)
 - specifications measured on a 500 microns ROC reference sphere
 - Accuracy < 0.5%
 - Repeatability < 0.02%
- **Measurement Process:** customized user interface dedicated to the application.
 - Manual loading of the wafer
 - Semi-automated alignment
 - Automated scan of pre-selected lenses
 - Automated measurement of the ROC, Conic constant, and RMS
 - Live color-coded results display during measurement
 - Automated reporting
- **Instrument:**
 - Industrial DHM® R100 (single wavelength & single objective)
 - Objective magnification: 5x, 10x, **or** 20x
 - Industrial grade workstation with motorized stage up to 300x300 mm
 - Designed for **clean room** use

[Learn more about this application](#)

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Join our DHM users' forest of more than [11'000 trees!](#)

For any DHM® purchase based on a remote live-demo, Lyncée commits to [plant trees](#) through the non-profit organization [OneTreePlanted](#)

**Send us a sample and
book a remote demo**

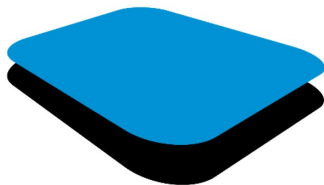


ONETREEPLANTED



High-precision scientific equipment.
Proudly manufactured by us in Switzerland.

Lyncée is now part of Park Systems



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[Lyncée Tec](#) is proud to have joined [Park Systems](#), the global leader in nanometrology.

This synergy strengthens our commitment to delivering cutting-edge nanoscale metrology systems and expanding access to advanced microscopy technologies worldwide.

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