Automation & Robotics

RX LABS

PROMAPPER

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- Table-top inspection device for any lens type
- State-of-the-art optical inspection (ISO/ANSI Standards)
- Mapping inspection (based on the Error Map)
- Pertinent tool for Statistical Process Control (Global Mapping Criteria)
- Totally independent from the operator
- Cosmetic Inspection available

TARGET ZERO DEFECTS

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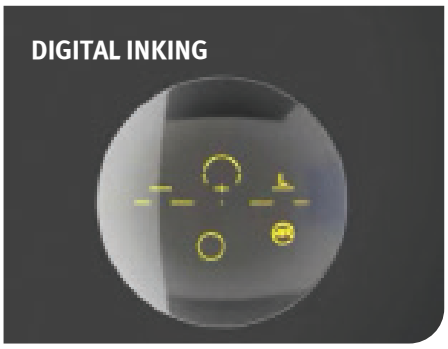
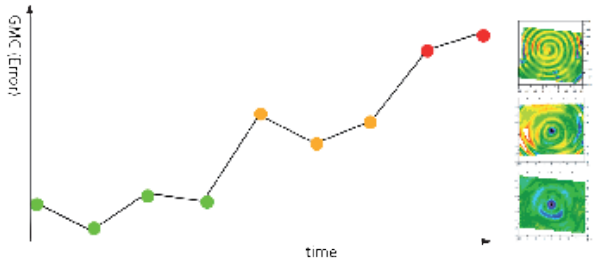
PROMAPPER





CAPACITY

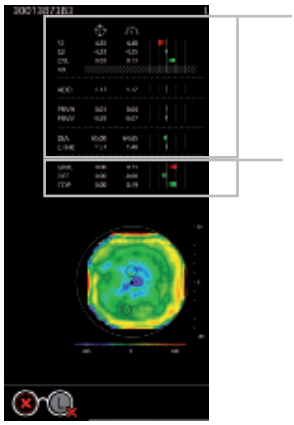
72 jobs/hour

MAIN FEATURES

- Automatic lens inspection (manual loading) with DLM+
  - Accurate automatic positioning (high recognition rate)
  - Check of geometrical properties (thickness, diameter, shape)
  - Optical power measurement in the FOA configuration (including power, prism, addition...), compliant with ISO/ANSI Standard
  - Measurement of polarization axis
  - Power Mapping over the entire lens surface (Error Map)
  - Cut-out check
  - Check of semi-finished lenses in RX labs
  - 'Measure-only mode' (measurement map without connection to data server)
  - Cosmetic inspection - option available
- Upload of the measured values and surface quality features (e.g. GMC, Global Mapping Criterion), useful for preventive maintenance and troubleshooting of lens manufacturing process.

BENEFITS

- Automatic inspection solution for any organic lens type with manual loading
- Total operator independence
- Contactless measurements
- Detection of R/L inversion
- Mapping inspection on the entire lens surface (incl. Error Maps with Go/No Go criteria like Global Mapping Criteria, center dot detection,...)
- Process under control : valuable data for Statistical Process Control
- Quick feedback on production combined with SPC App's (positive impact on the lead time, no added value on rejects, ...)
- Industrial and modern design
- Small footprint, table-top inspection device
- Easy to install and easy maintenance
- User friendly:
  - easy to use, with minimal training for start-up
  - clear and functional graphic interface
- Remote access for assistance
- Off-line viewer with data analyses (for Error Maps and mapping criteria)



Accurate lens inspection
According to ISO/ANSI Standards
In Focus On Axis configuration

Mapping inspection, based on the Error Map

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