



ACI-THEIA

AUTOMATED COSMETIC INSPECTION

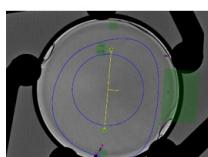
TECHNOLOGY PREVIEW

Satisloh's **ACI-Theia** brings automation to an entirely manual process step: Cosmetic Inspection. Based on its state-of-the-art vision system combined with smart algorithms and- ultimately- Artificial Intelligence (AI), it enables truly objective and reliable quality control and quality optimization

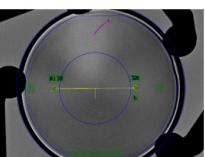
FEATURES + BENEFITS

- Detects every possible cosmetic defect on a lens: scratches, pits, smudges, fingerprints, surfacing marks.
- Based on the lab's cosmetic quality standards, the machine then decides if the lens passes or not.
- Lenses that ACI-Theia categorizes as "good" do not require further inspection. Only lenses categorized as "borderline" or "bad" are reviewed by an inspector.
- Labs will need fewer inspectors, which reduces labor cost as well as staffing and trainings needs.
- Labs define their own quality standards or use pre-defined ones and can standardize inspection criteria within one lab or across multiple locations.
- Objective data enables effective root cause analysis for fast trouble shooting of quality issues. Use MES-360 to analyze the link between lens history and defects.
- High throughput of over 300 lph makes ACI-Theia the ideal system for fully automated larger production facilities
- Robotic handling system is not touching the lens surface with a suction cup; 4-finger gripper touches only the lens edge => no scratches or marks
- Track, record and prove your adherence to quality standards, which is becoming increasingly critical with demanding customers and regulatory requirements.

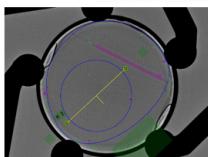
DEFECTS DETECTION



Scratches



Hard Coat



Surfacing



All technical data subject to change without notice. Verify details with Satisloh.

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