



OptoTech

IQ-Insights

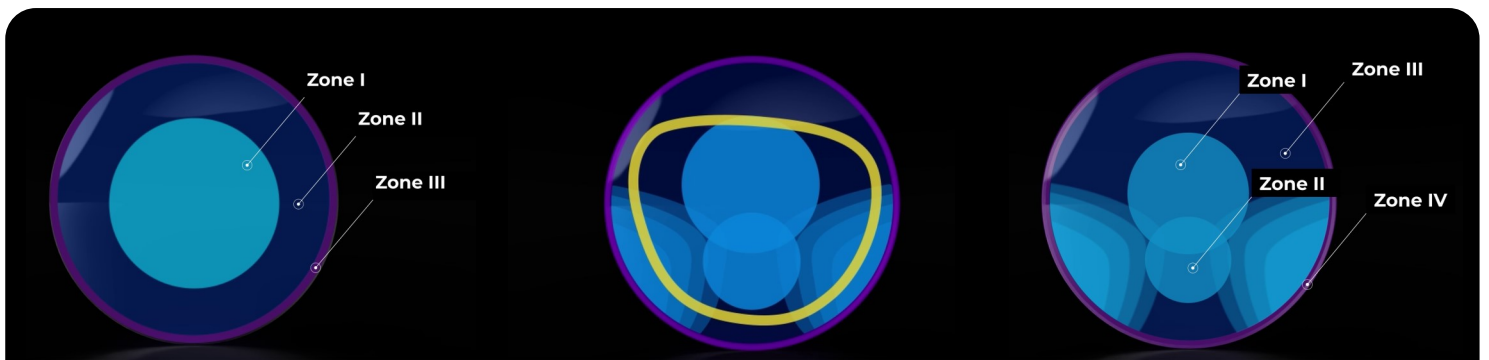


Complete the Picture with VISTA Fully Automated Cosmetic Lens Inspection

VISTA is our fully automated lens inspection system that detects and localizes cosmetic defects on ophthalmic lenses. The optical system screens the lens surface for any irregularities and reliably localizes defects that are invisible to the human eye. It detects a wide range of defect categories from hole, scratch, hairline up to a minimal defect size of $< 50\mu\text{m}$. It is also optimized to detect coating defects which makes the system suitable for quality control after the coating process (Particles and inclusions under the coating layer, inconsistencies in the coating layer).

Set the limits according to your own lab quality standards:

- **Zone definition** - Multiple zones can be defined on the lens for different lens types. Each zone can have different tolerances
- **Frame shape** - add frame shapes for improved accuracy
- **Set your limits** - Define defect size limits, configure tolerance ranges and set targets



[Click here](#) to watch the video of the VISTA

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Vision. Precision. Passion.



Big Data Collection for accurate defect allocation

The intelligent vision system analyses various measuring settings and evaluates the lens surface. The result: Massive amounts of valuable production data is generated and can be used for targeted decision making according to the individual lab quality standards.

Highlights:

- Optical system screens the surface for any irregularities and reliably localizes defects that are almost invisible to the human eye (Minimal defect size < 50µm)
- Suitable for semi-finished blanks, stock lenses, surfaced and coated lenses
- State of the art calculation algorithms result in minimal evaluation time
- Optimized machine design allows simultaneous handling of up to 4 lenses, resulting in maximum productivity
- Integrated cleaning station with ionized air that is the perfect antistatic preparation to remove any particles or dust from the lens surface before inspection
- Detects a comprehensive range of different defect categories:
 - Surface defects including hole, scratch, center dot, stain, unpolished, chip, turning rings
 - Coating defects including particle, bubble, lint, coating waves, coating runs
- Configurable inspection zones to adapt to the Lab's individual quality standard:
 - Zone definition for different lens types (single vision, progressive or multifocal lenses) or by customer requirements
 - Frame shapes can be added to improve accuracy
 - Tolerance range - Define defect size limits and set targets
- New design concept combines functionality with a modern look
- Minimal footprint and open system allows easy integration in any existing Lab
- Vision System with hi-resolution camera by AC VISTA GmbH
- Big Data integration – Evaluation report and AI software to teach the machine

Further information can be found on our website: <https://www.optotech.net/en/product/detail/vista~op27606> or by contacting your local sales representative. We look forward to hearing from you!

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