



OptoTech

VISTA

Automated Cosmetic Inspection System for Ophthalmic Lenses

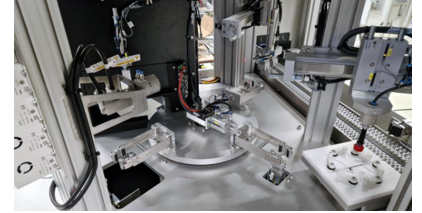


The VISTA is especially designed for detecting and localizing defects on ophthalmic lenses. Detects a comprehensive range of different defect categories. Big Data collection integrated.



Données techniques

	VISTA
Lens Diameter	40 mm - 90 mm
Camera Type	5 megapixel
Lens Material	All organic Materials
Lens Types	Semi-finished, surfaced and coated lenses
Minimal Defect Size	< 25 µm
Productivity	300 lenses/h
Dimensions	Width: 1340 mm, Height: 2200 mm, Depth: 1800 mm
Weight (approx.)	600 kg



Highlights

- Optical system screens the surface for any irregularities and reliably localizes defects that are invisible to the human eye (Minimal defect size < 25µm)
- State of the art calculation algorithms result in minimal evaluation time. Big Data collection integrated.
- Optimised machine design allows simultaneous handling of up to 4 lenses, resulting in maximum productivity
- Differentiation between brightness, scatter and deflection errors
- New design concept combines functionality with a modern look
- Minimal footprint and open system allows easy integration in any existing Lab
- Vision System by AC VISTA GmbH

Performance Characteristics

- Configurable error zones (different number and error size per zone) to adapt to the Lab's individual quality standard
- Detects a comprehensive range of different defect categories: Circular turning structures, polishing defects, stains, scratches and holes, glass breakage and cracks, splitter, edge shading
- 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 coating layer)