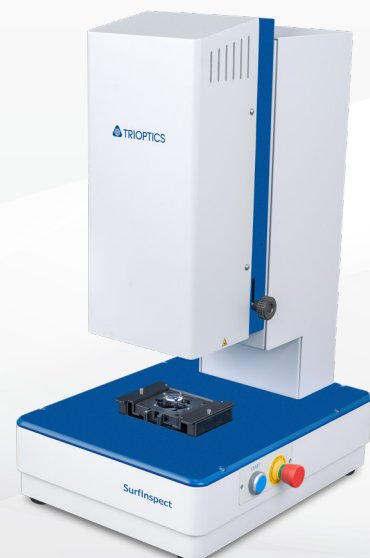


Surflinspect

Automated quality assessment
of scratch & dig



SurfInspect

SurfInspect is an automated inspection system for the objective surface quality evaluation of flat optics and lenses in compliance with the international standard ISO 10110-7. With its attractive price-performance ratio, advanced technical specifications, and automated documentation, SurfInspect addresses the central challenges in optical manufacturing. The key topics in this regard are time-saving automated inspection processes, objective and precise automated evaluations, and efficient and quick documentation.

SurfInspect is designed for companies that manufacture or further process optical components and assemblies. It is the ideal cost-effective solution for companies transitioning from manual visual inspection to automated quality control. The goal is to improve the quality of incoming, intermediate, and final inspections.

Your advantages at a glance

- **Objectivity at the press of a button:** Consistently detects scratches and digs using classical or AI-supported analysis, minimizing human error.
- **Precision and efficiency through multi-shot measurement sequence:** Captures entire optics in a single image with a large field of view and high depth of focus, reducing process time and costs.
- **Plannable productivity and seamless documentation:** Automatically generates ISO 10110-7-compliant reports, enabling seamless integration into production and quality KPIs due to predictable measurement times and standardized results.
- **High user-friendliness:** Intuitive interface and software-defined procedures reduce training effort.
- **Customized functionality:** Cost-effective solution for objective surface inspection in quality control.

Technical data	SurfInspect
Testing standard	ISO 10110-7
Smallest fully certifiable component grade number	0.04 for round/square defects; 0.16 for long defects (similar to but shorter than scratches); 0.025 for scratches longer than 2 mm
Smallest ISO 10110-7 grade number for single defects	0.01 for round/square defects; 0.04 for long defects (similar but shorter than scratches); 0.01 for scratches longer than 2 mm
Max. inspection area (Field of view)	25.9 mm x 25.9 mm
Shape of sample	Flat / mildly curved
Max. SAG height sample (Depth of focus)	1.2 mm
Size (H x W x D)	Tabletop device, fit into flow box 630 mm x 355 mm x 430 mm

