

# MEASURING TECHNOLOGY

Our measurement technology enables reliable inspection and sorting of measurement and test objects using optoelectronic sensors and cameras that are individually adapted to each specific task. A proven IFSYS feeding system places the measurement and test objects onto a glass ring and then into the detection area of the image processing system. The glass ring offers a particular advantage, as it allows viewing from almost all perspectives. This enables dimensional accuracy, surface quality (e.g., scratches), deformations, and other relevant quality characteristics to be captured with exceptional precision. Sorting is then performed based on the evaluation results.

Depending on the requirements, the measurement technology can be used either independently at a manual workstation or fully integrated into a system. This enables not only measurement and testing tasks to be carried out but also quality evaluations that can directly influence the machining process. The result is a reliable basis for your quality assurance – with maximum repeatability and complete traceability of all relevant characteristics.

## Details

- Measurement and inspection tasks with transmitted and reflected light for geometry measurements or surface inspection
- Suitable for almost all surfaces and part geometries
- Shape and position evaluations
- Use of multiple cameras for different measurement and inspection tasks
- Delivery rate: up to 450 parts per minute, depending on the size, material, and condition of the parts
- Self-sufficient, depending on the desired level of automation
- Optional: Integration of AI for advanced analysis functions

### Technical information on the measuring part

		Size 1	Size 2
Glass ring diameter	Ø	300	600
Min. permissible size	mm	2 x 1 x 1	5 x 5 x 2
Max. permissible size	mm	50 x 15 x 15	100 x 50 x 50
Weight	g	up to 100	up to 2000

