Surface scan is based on a patented optical testing method, which enables 3D-testing quality at the speed of a 2D-visual check. The complete solution, automated to suit the specific needs of the customer, is supplied from one source.
Advantages

- 3D-testing quality due to patented method
- Time-saving by inline-testing within cycle time
- Cost saving, replacing manual visual checks
- Inline-testing of all parts rather than random samples
- Testing of the whole surface rather than extracts
- Constant and objective testing quality
- Flat or cylindrical surfaces
- Direct feedback into production possible
- High robustness in industrial environments
- Fully automated solution from one source
Surface scan

**Fields of application**

- Visual quality checks of surfaces (scratches, dents, pores...)
- Assessment of the desired surface structure
- Inline-service within cycle time
- Offline-applications
- Production ramp-up support
- Process optimization

**Application examples**

- Sealing surfaces with high requirements
- Running surfaces, outside/inside (e.g. cylinders)
- Damper rods
- Camshafts
- Displays
- Generally for fine machined surfaces (e.g. ground, honed) or coated, from dull up to highly reflective surfaces

**Technical data**

- Resolution scalable according to task, allowing to detect virtually any type and size of fault (e.g. for the analysis of honed surfaces up to 20 µm resolution recommended)
- Short cycle times of a few seconds (depending on task)

**Customer values**

- Minimized pseudo-rejects
- Avoided quality slippage
- Increased inspection quality
- Economic and cost-efficient
- Repeatable and objective
- Traceable documentation
- Suited to new production technologies, such as plasma coated cylinders
- High availability
- Worldwide service

**Testing of complete sealing surfaces**
Texture image
Curvature image
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