

OPTICAL INSPECTION OF IMPELLER



MAIN FEATURES

- In-line inspection
- Check of top and bottom side
- Measurement of entry, exit and outer diameter
- Detection of the blade count and direction
- Validation of printed labels and laser markings (OCR)

BASIC CONFIGURATION

- 2 Pcs. monochrome cameras with up to 21 Megapixels
- 2 Pcs. robust LED lighting with high lifetime
- Industrial processing unit
- Control and visualisation via touchscreen
- Customised interfaces (digital I/O, Profibus, Profinet, etc.)

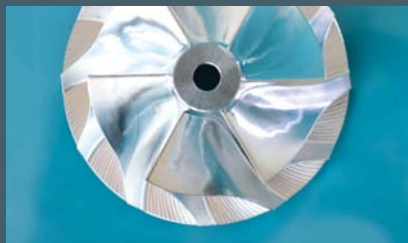
YOUR BENEFIT

During the production process of impellers defects or dimensional deviations caused by material variations or mishandling may appear. This can lead to reduced functionality or degraded visual appearance of the product. With the integration of an optical inspection of impellers you gain the ability of sorting out inaccurate products resulting in higher product quality and hence in reaching a higher level of customer satisfaction.

COOPERATION



Keyence is a manufacturer of innovative high quality devices in the field of sensors and vision systems. Our strong and proven partnership with Keyence enables us to maximise the performance of our systems.



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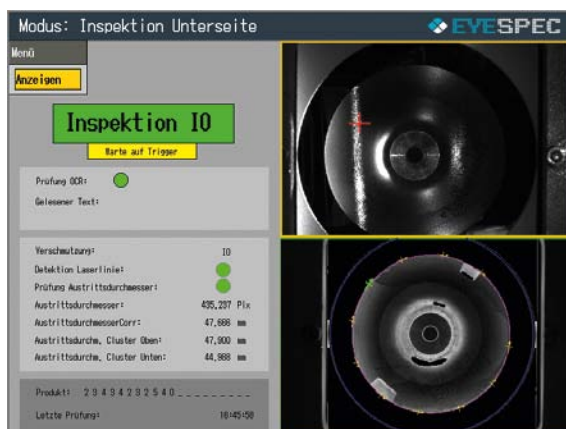
RESULT VISUALISATION



Top side inspection



Validation of labels



Bottom side inspection

SYSTEM SPECIFICATION

- System resolution: up to 4µm*
- Product diameter: 20mm to 150mm
- Surface: coated or uncoated metal

OPTIONS

- Handling of products
- Control cabinet including touchscreen
- Housings for cameras and illumination
- IP protection class up to IP67

SERVICE AND SUPPORT

- Customised conception and design of the system
- Integration into existing production process
- Remote service and maintenance

*depending on the product

