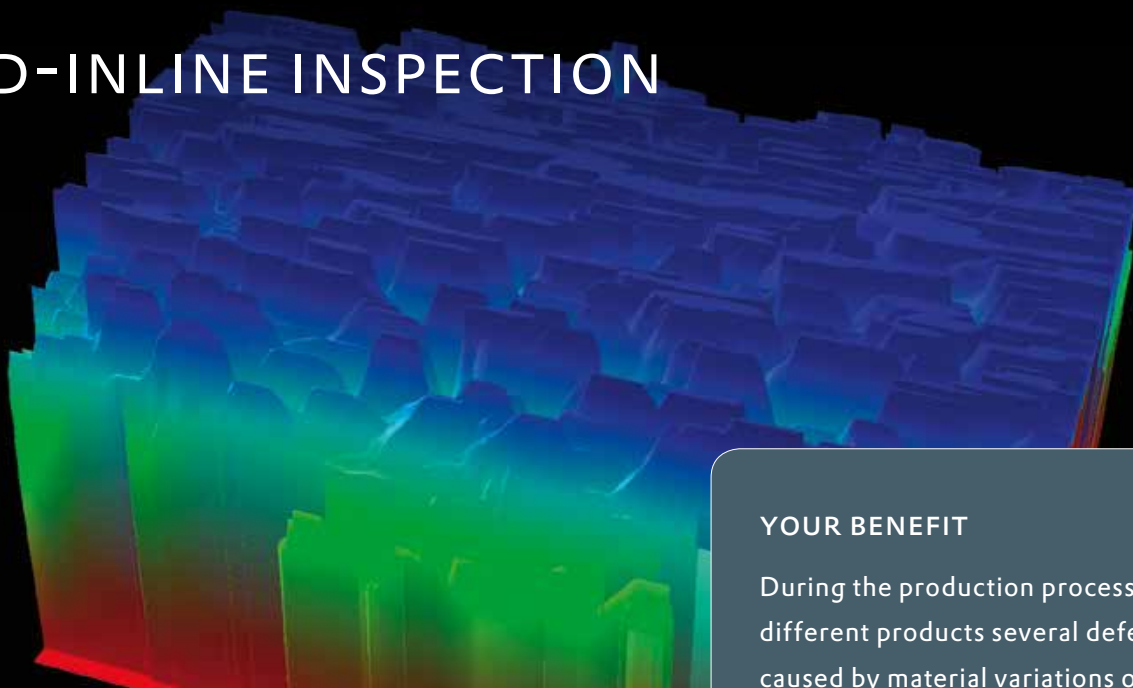


3D-INLINE INSPECTION



MAIN FEATURES

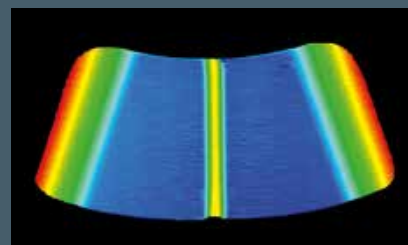
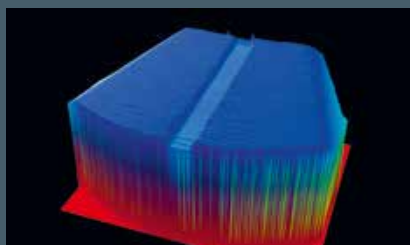
- Inline inspection
- Check for bumps and dents
- Detection of surface scratches and cracks
- Search for abnormalities
- Measurement of heights, contours and planarities
- Independency of the material (metal, plastic, rubber, wood)
- Robustness against different reflection behaviour

BASIC CONFIGURATION

- Monochrome CMOS-sensor with high dynamic range
- Blue semiconductor laser
- Industrial processing unit
- Customized interfaces (digital I/O, Profinet, Profibus, etc.)
- Control and visualisation via touchscreen
- Sensorhead in IP67 protection class

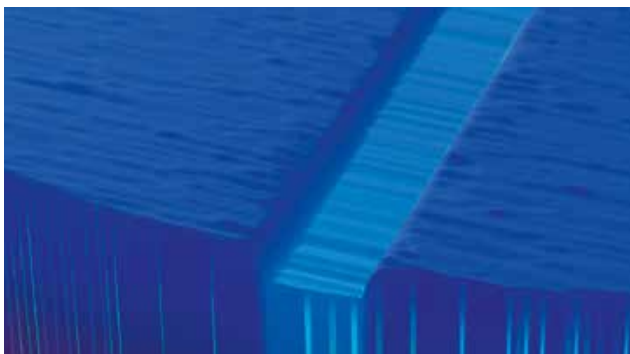
YOUR BENEFIT

During the production process of different products several defects 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 a 3D-Inline inspection system you gain the ability of sorting out inaccurate products resulting in higher product quality and hence in reaching a higher level of customer satisfaction.

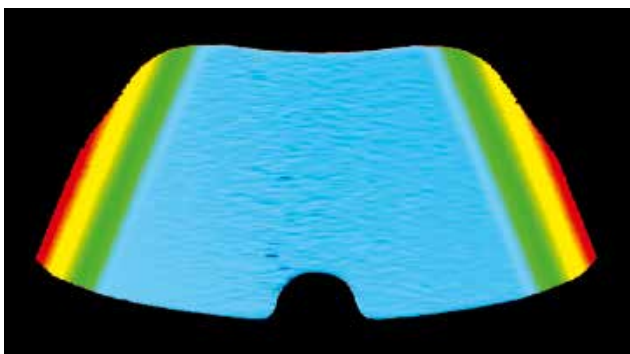


3D-INLINE INSPECTION

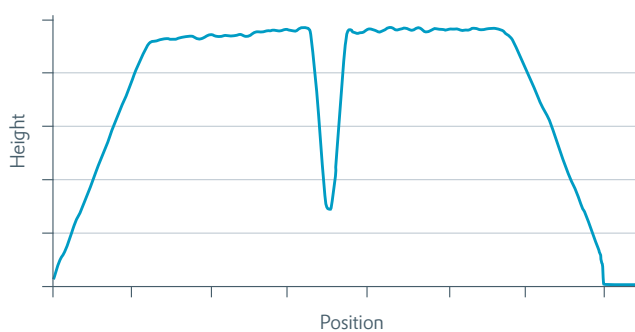
RESULT VISUALISATION



3D Image



Depth Map



Height Profile

SYSTEM SPECIFICATION

- Minimum defect size (Z-Dimension): $4,6\mu\text{m}^*$
- Minimum defect size (X-Dimension): $10\mu\text{m}^*$
- Minimum defect size (Y-Dimension):
 $1,6\mu\text{m}$ at $0,1\text{m/s}^*$, $16\mu\text{m}$ at 1m/s^* , $160\mu\text{m}^*$ at 10m/s^*
- Product width: $50\mu\text{m}$ to 180mm
- Applicable for web inspection
- Teach-In for new products

OPTIONS

- Control cabinet including touchscreen
- Turnkey system including product handling
- IP protection class up to IP67

SERVICE AND SUPPORT

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

*depending on the product

