



Steinbeis
Qualitätssicherung und
Bildverarbeitung GmbH

Werner-von-Siemens-Straße 9
98693 Ilmenau / Germany

Phone +49 (0) 36 77 · 46 90 59 0
 Telefax +49 (0) 36 77 · 46 90 59 11

E-Mail info@sqb-ilmenau.de
 Internet www.sqb-ilmenau.de

Contact

Dipl.-Ing. Steffen Lübbecke
 Phone +49 (0) 36 77 · 46 90 59 12
 E-Mail steffen.luebbecke@sqb-ilmenau.de

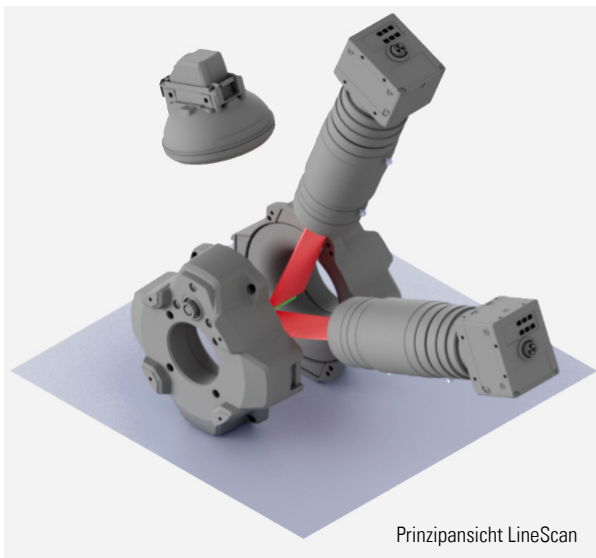
M. Sc. Thomas Trautmann
 Phone +49 (0) 36 77 · 46 90 59 23
 E-Mail thomas.trautmann@sqb-ilmenau.de

Multispectral LineScan

Surface inspection -
 High-resolution multispectral LineScan

The high-resolution multispectral LineScan is suitable for high-precision inspection of surface defects in the μm range. The multispectral illumination makes it possible to detect defects that are only visible in UV light, for example. The line-scan camera technology used enables an extremely high scanning speed and short evaluation times.

Arrangement, spacing and inspection field size can be adapted to customer requirements. Quality control charts and the connection to a company database are realised for quality management. Optionally, an "optical straightness measurement" is also possible.



2x line scan camera

Image sensor:	30.8mm CMOS - B/W image sensor
Cell size:	7.5 μm x 7.5 μm
Number of pixels:	8192 pixels
Minimum scan time:	10.2 μs (97.7 kHz)
Lens mount:	Special mount (M40, P0.75)

Multispectral lighting

Eight different illumination colours

- Ultraviolet: 405 nm
- Blue: 457 nm
- Green: 527 nm
- Orange: 600 nm
- Red: 660 nm
- Far red: 730 nm
- Infrared: 860 nm
- White: 600 nm

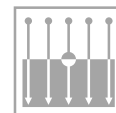
(all values are approximate)

Geometric dimensions

400 mm x 500 mm x 400 mm



Products
Service



Development
Research



Consulting
Training