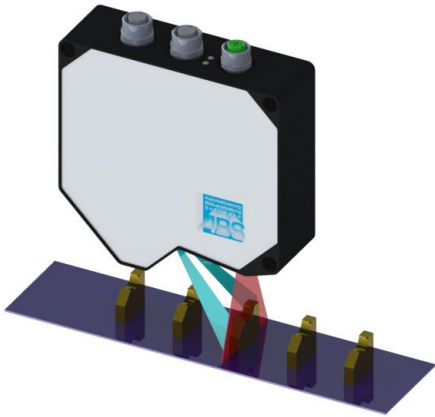


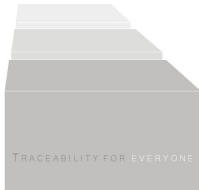
In the field of camera-based system solutions
for inspection, documentation and traceability

ABS GmbH – in the spirit of the theme of productronica 2015
„SEE THE BIG PICTURE IN THE SMALLEST DETAIL“



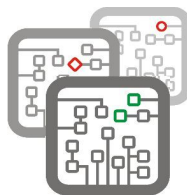
LASER TRIANGULATION SCANNER

- ◆ For automated 100% inspection via profile measurement and contour detection during the ongoing production process
- ◆ Contactless measurement of length, bending angle determination, gap analysis, diameter examination, profile comparison OK/NOK ...
- ◆ Measurements with up to 12.500 frames per second
- ◆ High dynamic range and therefore robust to low light conditions and demanding surface conditions
- ◆ Modifications and adaptations to specific customer requirements and integration into existing production lines are possible
- ◆ FPGA- and DSP-based high-performance preprocessing of measurement data inside of the device for a resource efficient data output and transmission
- ◆ Interfaces: Ethernet and RS485



VISIONCUBE

- ◆ System for structured, paperless, traceable goods transfer documentation in your goods inwards and goods outwards department
- ◆ ABS Camera + illumination for creating high-resolution images of all packages, shipments, delivery slips, products etc.
- ◆ Management of all data (photos, order forms, delivery data, examiner, etc.) with the easy to use ABS-Software "STOREVIEW"
- ◆ Automatic linking and structuring of pictures and data to meet traceability requirements
- ◆ Automatic creation of lack reports for incoming goods and defects
- ◆ Optional: connection to an existing ERP system
- ◆ Optional: OCR / barcode / data matrix code recognition and evaluation



TOGGLECUBE

- ◆ Structured and intuitive optical assembly inspection of printed circuit boards, testing of mechanical components, assemblies, CNC milled parts
- ◆ Creating image-based inspection and deficiency reports with integrated AOI detail shots of error locations for the quality management
- ◆ Database-driven administration of recurring information such as suppliers, customers, serial numbers etc.
- ◆ Automatic creation of test and error statistics (among other things based on components, serial numbers and suppliers)

We are also looking forward to speaking with you about the realization of your sophisticated camera, image processing and electronic tasks.

DSP / FPGA Expert

ABS Gesellschaft für Automatisierung,
Bildverarbeitung und Software mbH
Jena/Thüringen

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