

Automatic Optical Inspection with CT3XX

Complete Combinational Test MDA/ICT, FT, BST, AOI

- A single adapter can integrate all test variants
- AOI fully integrated in the tester operating system "Test OS"
- Convenient program development
- Coupling with the paperless repair station
- Logging to each test step
- Excellent price-performance ratio

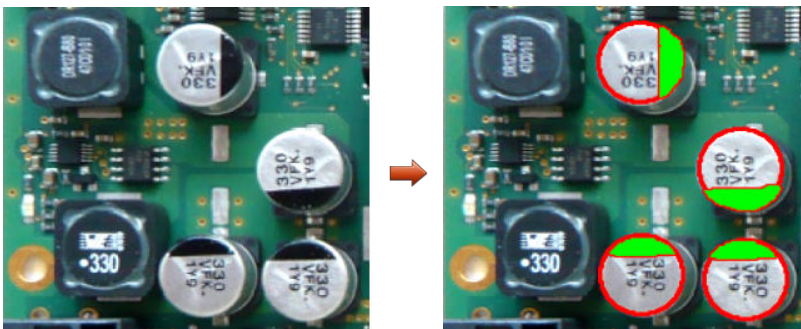
Applications

- Testing the presence, position, polarity of components
- Testing parts which are parallel connected, e.g. electrolytic capacitors
- Optical character recognition (OCR)
- LC- and LED display evaluation
- Distance and angle measurement
- Teach-in functions for the tester programming
- Cost reduction for adapters
- Position of mechanical components
- Pattern recognition
- Reducing the number of spring contacts in the adapter
- Short test time

Text and Pattern Recognition



Polarity Test



AOI Components

Cameras

- Different types
- Color and grey scale camera
- Resolution >19 MPixel
- CMOS- and CCD sensors
- Interfaces USB, Ethernet, GigE
- Shielding



Illumination

- Diffusely and homogeneously
- LED square illuminator
- LED area illuminator
- LED strip illuminator
- Reflections and ambient light will be considered
- Use of shielding for ambient light



Software

- Industry specific software
- One of the best software libraries Powerful
- software assistant
- Cost effective run time licenses are available

LED Color Recognition

