

Confidence is good



..... is even better

**The Automatic Optical Inspection
System**

for board production

- powerful
- dynamic
- user friendly

Information ?

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OptiCheck

Modern production technologies ...

With the increasing miniaturisation of components in electronic assembly, previous methods of inspection using the naked eye can prove to be unreliable due to tiredness, loss of concentration etc.

... require the optical inspection ...

Automatic inspection eliminates errors caused by the human element when inspecting for assembly faults on a PCB. OptiCheck ensures total inspection in the process from the first to the last PCB.

... within the production process.

The OptiCheck system can be perfectly integrated into the production line. It offers network compatibility and interprocess communication without high costs.

OptiCheck works on the principle of image comparison, basic modern colour image processing and recognition methods. It follows the listed stages:

- The scanning unit, the scan box for offline operation, or the inline system scans the board and offers a colour image to the computer for validation.
- Following a pre-defined check plan the system checks the single items using algorithms stored in a component library. Like a placement plan OptiCheck „knows“ at which position a component has to be found.

You are welcome to contact us with further questions. Our engineers are pleased to discuss your specific problems in detail, your individual situation and to find a practical solution together with you.

OptiCheck is an efficient and flexible system for automatic optical inspection of printed boards.

OptiCheck is not affected by changing attention or daily differences and can easily face the actual increasing time pressure in optical validation. Besides a constant validation quality it offers the automatic generation of check logs and easy-to-read statistic information for an optimization of the production run in order to nihilate error reasons early.

OptiCheck can be used for all table sizes.

OptiCheck offers a low sales price which will be rapidly payed off. And that although containing a most powerful and covering software platform.

Process optimization ...

Optimising a process has to start already at the first step of production, at it's best immediately after placing the soldering paste. Empty areas, missing soldering paste, or a displaced print cause most of the errors in board placement. The results are missing or edgewise components, soldering errors and expensive annoyances within the warranty time.

Power up your quality standard by using an optimal inspection !

- For process optimization already at the beginning, using the OptiCheck solder check.
- For just correcting errors, not expensively repairing them, immediately after placement or at the end of the process using the OptiCheck component check.

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