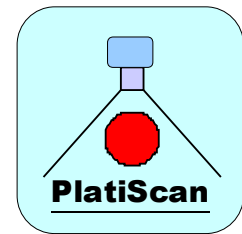


# PlatiScan VI

Automated Visual Inspection System



"You can see it? Then we can detect it!"

## Optical Inspection System for fast Automated Visual Inspection

PlatiScan VI is an automated Visual Inspection System, transforming the human visual inspection procedure into software.



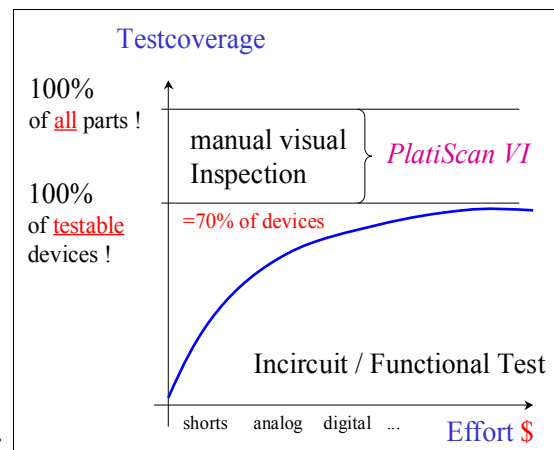
Protected algorithms can detect board failures which usually are found only by manual visual inspection.

The goal is either to decrease the gap of untested devices left by the electrical In-Circuit-Test (In-circuit- and Functional Test usually cover only about 70% of all components). Or, to check all components extracted from CAD-data.

Unlike Manual Visual Inspection (~50% failure rate!) our automated system is superior because it works without eyestrain or tiredness of an operator.

The system consists of a photo-camera with lighting, to be positioned above the DUT, a PC Controller and the PlatiScan-Software. An image is taken via remote control and the analysis is done on the PC. The detected failures can be reported as text or graphically displayed.

PlatiScan VI is available as standalone system or as an integrated solution linked to the In-circuit test system. In that case the visual inspection can be done in parallel to the ICT at "zero time".



PlatiScan is a cooperative development of the two companies:



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## What we want to find: \*

### Presence / Orientation of

- Block-C's
- electrically non-testable devices
- Elco's und Diodes
- Protection Devices
- Connectors
- mechanical part
- Labels

### Furthermore:

- missing/bent Connectorpins
- LED's (Colour, Intensity)
- Graphical Displays
- Part Alignment

### What we do not want to find:

all kinds of solder problems

\* depending on board and test condition

## PlatiScan-Screenshots

### PASS / FAIL Board

***“You can see it? Then we can detect it!”***

