

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

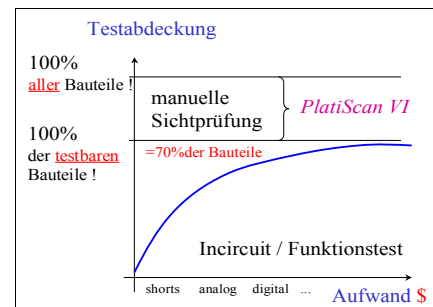
Optical Inspection System for fast Automated Visual Inspection

PlatiScan PRO

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.

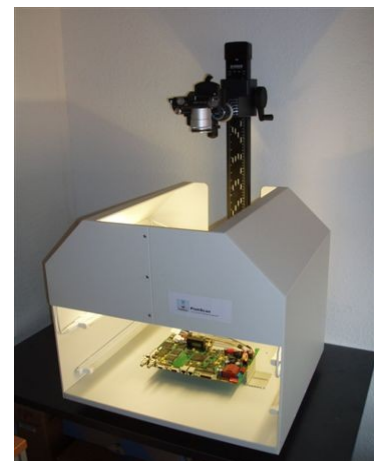


The goal is either to decrease the gap of untested devices left by the electrical In-Circuit-Test (Incircuit- and Functional Test usually cover only about 70% of all components). Or, to check all components extracted from CAD-data.

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 PRO is available as standalone system or as an integrated solution linked to the Incircuit testsystem. In that case the visual inspection can be done in parallel to the ICT at **"zero time"**.



PlatiScan VI is a cooperative development of:



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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

To receive the system optimally cut to your needs, you can the following components select and/or combine::

	Automatic Evaluation	Test of of presence/orientation						Integrated in fixture	CAD-Data Import	Integration into external test system
		Device	Displays	LEDs	Connectors	Barcode	Mechanical Components			
PlatiScan PRO	✓	✓	✓	✓	✓	✓	✓			
PlatiScan EasyTest		✓			✓		✓			
PlatiScan LEDTest	✓			✓						
PlatiScan DisplayTest	✓		✓							
PlatiScan JetTest	✓	✓		✓	✓	✓	✓	✓		
PlatiScan Develop Development system	✓*	✓*	✓*	✓*	✓*	✓*	✓*			
PlatiScan CADLink									✓	
PlatiScan TestLink										✓

* Camera- and allumination is not included.

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PlatiScan-Screenshots

PASS / FAIL Board

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