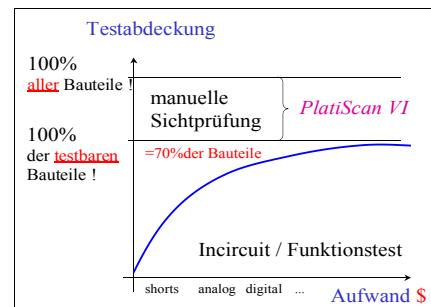**PlatiScan VI**
automated visual inspection

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

Optical Inspection System
for fast Automated Visual Inspection

PlatiScan PRO

PlatiScan VI is an automated **V**isual **I**nspection System, transforming the human visual inspection procedure into software.

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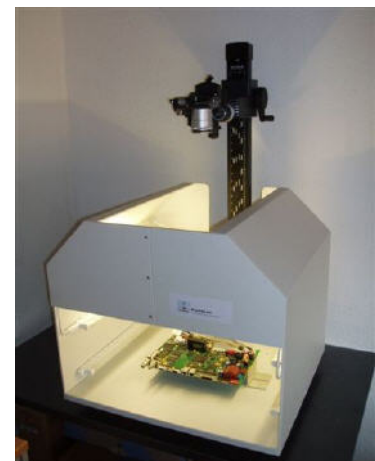which usually are
found only by
manual visual inspection.

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 product of

AMARANT
S O F T W A R E

PlatiScan VI
automated visual inspection

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

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 <u>not</u> want to find:

all kinds of solder problems

* depending on board and test condition

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

	Automatic Evaluation	Test of presence/orientation						Integrated in fixture	Teach assistant	Integration into external test system
		Devices	Displays	LEDs	Conn.	Barcode	Mechanical Components			
PlatiScan PRO	✓	✓	✓	✓	✓	✓	✓			
PlatiScan EasyTest		✓			✓		✓			
PlatiScan LEDTest	✓			✓						
PlatiScan DisplayTest	✓		✓							
PlatiScan JetTest	✓	✓		✓	✓	✓	✓	✓		
PlatiScan Develop **Development system**	✓*	✓*	✓*	✓*	✓*	✓*	✓*			
PlatiScan CADLink									✓	
PlatiScan TestLink										✓

* Camera- and illumination is not included.

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PlatiScan-Screenshots

PASS / **FAIL** Board

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