

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

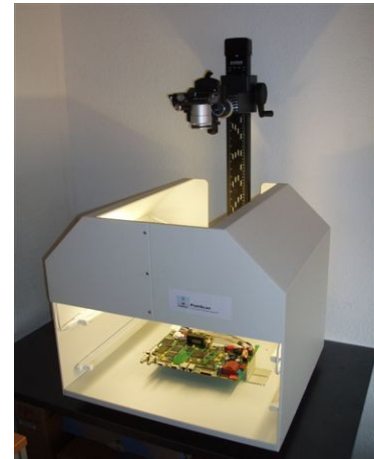
## Optical Inspection System for fast Automated Visual Inspection

### PlatiScan LEDTest

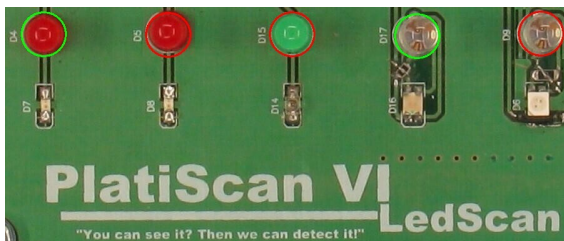
**PlatiScan VI** is an automated **V**isual **I**nspection System, transforming the human visual inspection procedure into software.



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



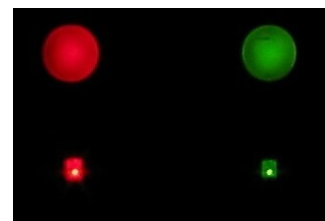
**PlatiScan LEDTest** is able to test the LED parameters **Colour** and **Intensity** with high precision.



The system consists of a photo-camera, to be positioned above the DUT, a PC Controller and the **LEDTest**-Software. The DUT-board will be powered and the LED switched on. Then an image is taken via remote control and an RGB analysis is done on the PC. The detected colour and intensity failures can be reported as text or graphically displayed.

The PASS/FAIL decision can be made by comparison of the RGB-values with the values learned from a **Golden Board** or with the values of **reference LEDs** placed inside the system. The accuracy we can reach with our system and algorithms is

Intensity            +/- 5% max, < +/-2% typ  
Colour:             +/- 6nm max, < +/- 2nm typ



**PlatiScan LEDTest** is available as standalone system or as an integrated solution linked to a conveyor system. In that case the LED inspection can be done fully automated.

**PlatiScan VI** is a cooperative development of:



**AMARANT**  
S O F T W A R E

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