

A blue rectangular graphic with a yellow diagonal banner in the top right corner that says "NEW". On the left, there is a circular icon containing a yellow wrench and a camera lens. To the right of this icon, the text "CORs" is written in large yellow letters, followed by "COMPLETE OPTICAL REPAIR SOLUTION" in white. Below this, in smaller white text, it says "QMAN software in combination with the IP-3000 optical inspection device". A list of four benefits is shown, each with a yellow checkmark and a corresponding white icon: "Simple fault localization of assemblies" (magnifying glass), "Live image for faster analysis & repair" (wrench), "Cost savings due to less waste" (euro coin), and "Environmental protection through repair instead of throwing away" (leaf).

## Optical repair solution from Digitaltest locates assembly defects faster than before

**With the Complete Optical Repair Solution (CORs) from Digitaltest manual search and identification of errors on assemblies will no longer be necessary in the future, which can save time and money.**

### **The procedure for troubleshooting so far**

Manual Visual Inspection (MVI) is an optical test procedure in which the board is manually inspected for detectable defects using a magnifying glass. The quality of the inspection depends on the concentration and qualification of the operator and is therefore highly variable. Particularly as miniaturization progressed and packing density was high this procedure was and is very time-consuming, which means that in the case of high quantities, high costs are also incurred.

### **Digitaltest's solution for the future**

Digitaltest has developed with CORs, the Complete Optical Repair Solution, a special procedure, with which the troubleshooting is no longer as before manual, but via a fully automated camera system.

The IP-3000 optical inspection system is centrally controlled via the QMAN Repair Stations software remote controlled and shows the fault location as a live image on a high-resolution monitor. QMAN imports the test results from different test processes, which in turn allows a faster analysis. In case of an error, the defective assembly can then be repaired by QMAN in the shortest possible time.

The solution is in the detail, in the case of CORs, in the camera system of the IP-3000 inspection system: the side cameras installed there make both solder joint control and faster detection of short-circuits possible.

### **The advantages are obvious**

With the new remote troubleshooting with Digitaltest's Complete Optical Repair Solution, assembly faults can be localized, analyzed and repaired faster, which in turn minimizes the production of rejects and thus protects the environment.

### **About Digitaltest**

As a leading partner in the electronics industry, Digitaltest develops and produces automated test equipment (ATE) for electronic circuit boards, software for automating production, and quality management systems. Digitaltest is known for innovative solutions for optimizing the entire manufacturing process – as an interface between CAD, the testing process and production itself. We also offer comprehensive service and support, including complete outsourcing of PCB testing at locations worldwide.

40 years of cutting-edge technology, reliability, and value retention in automated test systems.

For more information contact:

Sarah Boctor-Vauvert  
Managing Director/CEO  
E-Mail: [sarah.boctor-vauvert@digitaltest.de](mailto:sarah.boctor-vauvert@digitaltest.de)  
Phone: +49 7244 96 40 -24  
Digitaltest GmbH  
Lorenzstr. 3  
76297 Stutensee  
Germany  
[www.digitaltest.com](http://www.digitaltest.com)