RoodMicrotec
powerful solutions

RoodMicrotec Newsletter

1

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Expansion of services

With the opening of our 'technical access centre' in Bath, UK, we have set a major strategic step towards further expanding our services in Europe.

It enables our engineers to remotely support OEMs and Fabless Companies using the highest standards of our equipment in Nördlingen and Stuttgart. This remote solution is a market novelty, which we will expand further. At present, a selected number of customers is using this solution.

Agenda

LED professional symposium
Lecture **"Failure Analysis and prevention for improved LED lifetime"**
by Reinhard Pusch
25 - 27 September 2012
in Bregenz, Austria

Details:
www.led-professional-symposium.com

ESD Symposium at RoodMicrotec
Uwe Thiemann and Prof. Pit Jacob

In German language:
16 October 2012
In English language:
17 October 2012

More information:
www.roodmicrotec.com
or ask for our flyer

New 'Technical Access Centre' in Bath UK

RoodMicrotec has opened its new Technical Access Centre for test engineering in the prestigious Innovation Centre in Bath, England.

On 21 May 2012 RoodMicrotec held a morning seminar followed by lunch in one of the multi-screen conference rooms of the Innovation Centre in Bath. Attendees came from both supply partners and customers and were treated to a unique insight into the future in remote testing, development and engineering.

Photo: RoodMicrotec

The seminar was hosted by Mike Jarvis (UK Sales Representative). Philip Nijenhuis (CEO RoodMicrotec) gave a welcoming speech and there were presentations from Reinhard Pusch (CSO RoodMicrotec). Presentations on test engineering and backend related services were given by representatives from RoodMicrotec, MVTS, LTX Credence, Eltek and the South West iNet UK.

RoodMicrotec demonstrated a live connection to the LTX credence D10 platform located in Stuttgart. With the help of their onsite engineers several devices were tested, while test results were collected and stored in real time.

This means that going forward sample testing, test engineering (coding) and debugging will be available within the Innovation Centre on various test platforms such as the well-equipped LTX Credence D10 and Teradyne µFlex located in Germany. Along with full technical and engineering support, all the customer needs to do is to book time on the relevant test platform and work can commence.

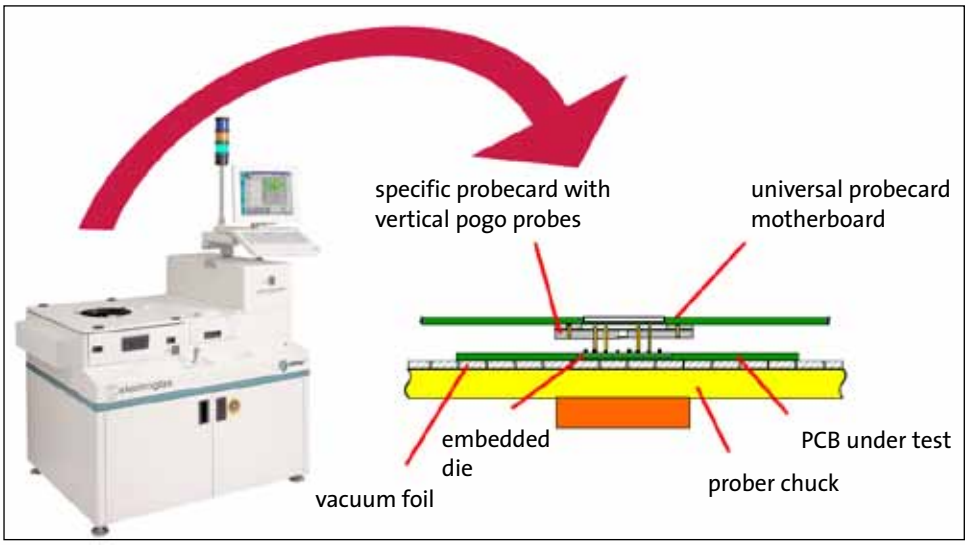
RoodMicrotec continues to expand its services in test and test engineering in order to better serve the Fabless Design Companies in both Europe and the UK.

RoodMicrotec successfully proves ‘embedded-die testing’ in Hermes project

Alternative handling and testing solutions for PCBs with embedded components.

With a specific foil, which reorganizes the applied vacuum from concentric rings to selective through holes, it is possible to handle small, unassembled printed circuit boards (PCBs) on a common wafer probing system. This method provides several advantages, especially for small volume tests.

‘We were looking for a solution with the contacting accuracy of a wafer prober together with the full range of test and measurement options of a semiconductor test system’, said Bernd Lau, project engineer of RoodMicrotec in the European Hermes project. ‘With this hardware setup we are able to do parallel contacting of test points on unassembled PCBs with embedded dies. A parallel contacting of about twenty to thirty pads is often necessary to start a limited functionality check of the embedded component. The automatic alignment of the prober recognizes the exact position of the PCB and verifies a precise contact. And this is possible with low development costs for each application due to the use of a universal probecard motherboard.’



The vacuum foil in the hardware setup for a microcontroller application (picture above) ensures the fixation of the PCB on the prober chuck. Appropriate contact is achieved by using a probe card (right picture) containing 29 vertical pogo probes.

Hermes is a European funded project. The Hermes consortium consists of 11 partners, including AT&S, Infineon, Thales, Bosch, RoodMicrotec and others.

The Hermes project has been finalised in the first half of 2012.

Photo: RoodMicrotec

Relocation of test equipment

Mr Robert Kraus of Inova commented on the test equipment relocation: Inova supplies sophisticated products to the critical and demanding automotive industry, for which top quality and reliability are paramount.

Inova has successfully collaborated with RoodMicrotec in this market for many years. RoodMicrotec informed us at an early stage of its plans to concentrate its testing and failure analysis operations in one location. We were hopeful that this major relocation of two of RoodMicrotec’s key competences would result in further improvements to processes.

After its successful completion, we are convinced that this relocation was the right strategy to improve RoodMicrotec’s performance.

After the staffing and structural changes involved in the relocation, the test facility has clearly been optimised in terms of throughput and efficiency. With the know-how and the analytical methods of enhanced Failure Analysis supported by Test Engineering, weaknesses in the entire supply chain process have been identified and clearly improved.

We are positive that with these improvements RoodMicrotec will continue to make strong contributions to ‘operational excellence’ in this demanding automotive market.

Colophon

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