

R.H. Technologies now running nine Mek AOI systems



Mek Europe BV, formerly known as Marantz Business Electronics, has recently announced the installation of its eighth and ninth AOI system at RH Technologies. The Israel headquartered EMS provider recently commissioned two new iSpector HDL 650L in-line machines, complementing the five in-line systems installed last year.

Specializing in communication, security, medical and automotive equipment assembly, R.H. offers a wide range of enhanced services developed over 25 years of EMS operations and experience. Fundamental to their latest selection of AOI equipment were the essential needs for rapid programming and superior false defect ratios. Mek was tested side by side along with two other suppliers in proving once again they offered the best inspection performance.

Itamar Caspi, Test Operations Director & Manufacturing Quality Manager at R.H. explained further; “We have a great deal of AOI experience and know what’s critical to our operations. Not only was the Mek defect error ratio consistently superior to its competitors throughout our pre-purchase testing, but our operators also found the Classification and Repair Station easy to use without mistakes.

With nine systems currently in-house, seamlessly centralized control is a significant benefit offered by Mek system software. Inspection results data from all machines are presented in one central location with maximum real-time performance overview. In a matter of seconds the necessary statistical data can be read from one location, enabling a single operator to control all machines. In addition, from that same single

location, any program can be adjusted on-the-fly, with no need to move around the factory floor from machine to machine.”

The Mek iSpector series is the world’s first AOI system to offer one top camera and eight side cameras in 45/45 degree configuration. Solder joints of increasingly popular 45 degree space-saving circuitry designs can now be inspected with 10µm resolution side cameras. Combining simultaneous 9 camera inspection, true 24-bit colour imaging technology and 3D Solder Meniscus profiling, these systems deliver advanced AOI performance with either manual or fully automated PCB handling.

-ENDS-

About Mek Europe BV

A former division of Marantz well known for its high quality Audio/Video products, MEK Japan (Marantz Electronics Kabushiki Kaisha), developed its first AOI system in 1994. Developed to inspect PCB assemblies for correct component placement and soldering, the company’s original AOI system was designed for use in Marantz factories. Proving to be a highly successful, cost-effective alternative to traditional human inspection, MEK developed its first generation commercial system in 1996. With a steadily growing installed base, MEK Japan and its European headquarters, MEK Europe BV, have sold over 5000 units worldwide to date. Now well established as a leading force in AOI technologies, the company recently launched a 5D post-print SPI system which combines 3D and 2D image processing methodologies to deliver unprecedented defect detection.

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