

Introducing Mek VeriSpector Inline: Enhancing THT Inspection Efficiency and Accuracy



Mek (Marantz Electronics), a leading provider of automated inspection solutions, is proud to announce the launch of Mek VeriSpector Inline, an affordable AOI system designed for inspecting THT components before they enter wave or selective soldering machines to enhance inspection efficiency and accuracy in through-hole assembly processes.

Mek VeriSpector delivers lightning-fast inspection times, allowing real-time assembly and placement inspection to prevent defects from entering the soldering process. By providing instant feedback, the system minimizes the risk of faults in manual assembly, boosting the effectiveness and quality of manual and semi-automatic manufacturing processes.

The system's inline configuration optimizes investment costs by minimizing the need for separate inspections at each manual assembly station. Developed in collaboration with Nutek, a trusted provider of Board Handling & Traceability Equipment, the VeriSpector Inline offers robustness and compatibility. Manufacturers can fully automate the inspection process with a wide range of available options.

Powered by the renowned 22X Software, a proven inspection system widely used in the PCB assembly industry, Mek VeriSpector Inline ensures reliable performance. The system is easy to program while maintaining the power and speed of the inspection algorithms.

Mek VeriSpector Inline offers flexible inspection capabilities to address various needs. It can detect presence/absence, orientation, shape, offset, polarity, text verification, fiducial reading, color check, 1D and 2D barcode reading, assembly materials fittings, damaged object detection, and more. VeriSpector can accommodate PCB sizes to a maximum of 750mm x 500mm (or 460mm x 300mm when using the maximum zoom setting on the lens).

The standard 24MP camera and high-definition lens captures fine details delivers with crisp and clear resolution. Upgrades to 42MP or 60MP cameras are available based on specific application requirements.

Mek VeriSpector Inline offers seamless connectivity and traceability. It is compatible with the comprehensive Mek Catch System, enabling features like data collection, post defects classification, post reworking, data reporting and data analysing.

"We are thrilled to launch Mek VeriSpector Inline, providing THT manufacturers with an advanced AOI system to enhance their inspection processes," said Henk Biemans, Managing Director of Mek. "Our system's lightning-fast inspection times, powerful software, and flexible capabilities ensure high-quality production and increased efficiency."

For more information, please visit [Marantz Electronics.com](https://www.marantz-electronics.com)

About Mek (Marantz Electronics Ltd)

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/American headquarters, Mek, have sold over 8000 units worldwide to date. Well established as a leading force in AOI technologies and 5D post-print SPI systems, the company now also manufactures Conformal Coating Inspection systems drawing on the proven technology.

For further information contact:

MEK Europe BV Contact	Agency Contact
Henk Biemans MEK Europe Polluxstraat 2B 5047RB Tilburg The Netherlands	Helena Osborn Protean Inbound 400 Thames Valley Park Drive, Earley, Reading, RG6 1PT, UK
Tel: +31 40 7114111 info@marantz-electronics.com www.marantz-electronics.com	Tel: 44 (0) 118 370 6015 helena@proteaninbound.com www.proteaninbound.com