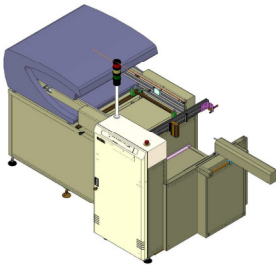


## ***Marantz launches value-driven automated inspection island***



**Marantz Business Electronics has raised the bar once again for Automated Optical Inspection (AOI) systems, unveiling a new partnership with Nutek that has pioneered fully automatic offline inspection operation. The new Marantz Inspection Island is uniquely configured to save manufacturers time, cost and complexity.**

Working with the industry's leading supplier of automated handling equipment, Marantz has created an Inspection Island designed to deliver completely automated PCB handling. Available on new and existing iSpector models, the technology is a perfect partner for this popular AOI platform. Equipped to serve multiple lines, the Inspection Island eliminates the need for operators to load and unload PCBs. Fully compatible with Marantz' Catch process control system, the island also removes the need for operators to classify inspection results on the machine since the repair & traceability software allows post processing of defects. Maximising flexibility even further, users can choose classification on the fly through manual intervention.

“Traditionally, island operation has only been available for customers with an inline machine model, plus a loader and unloader,” explains Marantz Business Electronics General Manager, Henk Biemans. “However, we've taken our most cost-effective and popular desktop model and combined this with a proven, value-driven conveyor/rack storage system to dramatically reduce the cost and complexity associated with fully automatic offline inspection operation. For example, the Inspection Island eliminates manual handling of PCBs, effectively freeing operators up to focus on other aspects of assembly. We're delighted to have achieved this breakthrough in partnership with

Nutek and look forward to realising a considerable productivity advantage for our customers.”

The compatible iSpector 350 and 650 AOI system models feature Marantz’ pioneering true 24-bit colour imaging technology and 3D Solder Meniscus profiling. 24-bit processing extends the amount of data available per pixel, dramatically enhancing defect detection while minimising false alarms. It discerns subtle changes for improved image clarity, helping to separate components and solder images from the background board or substrate. The technology is deployed across the iSpector range in conjunction with through the lens, dual on axis lighting and angled RGB. Fast, accurate and highly reliable 3D profiling of Solder Meniscus is achieved with a combination of reflected angle detection and synthesized imaging. Accurate inspection of joints with nearby tall components and robust detection of failures on large and warped PCBs are additionally enhanced. Now available with the Inspection Island system, iSpector’s functionality is more extensive than ever.

**-ENDS-**

### **About Marantz Business Electronics**

Well known for high quality Audio/Video products, Marantz developed its first AOI system in 1994. Developed to inspect PCB assemblies for correct component placement and soldering, the AOI system was designed for use in Marantz’s own factories. Proving to be a highly successful, cost-effective alternative to traditional human inspection, Marantz developed its first generation commercial system in 1996. With a steadily growing installed base, Marantz Business Electronics has now sold over 4000 units worldwide.

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