

X-Ray Inspection Offers New Quality Assurance Software

phoenix|x-ray's microme|x X-ray inspection system now offers new inspection software, quality|assurance. Available exclusive from Contax in the UK and Ireland, microme|x is a submicron high-resolution system for manual and automatic solder joint inspection. This includes automatic x-ray inspection of PCB assemblies such as BGAs, CSPs, MLFs and QFPs.

The microme|x uses an integrated 2 Megapixel camera, so exceeding the existing standard of 1,3 Megapixels. This, combined with the open 160kV or 180kV submicron X-ray tube, enables detailed analysis with a resolution of <math><1\mu\text{m}</math> as well as a total magnification up to 13.300x.

The microme|x offers highly precise manipulation with a 360 degree rotation axis and the approved technology for oblique views of up to 70 degrees. The scanning area has a size of 4572 mm x 3556 mm (18 inches x 14 inches). This enables samples up to 680 mm x 635 mm and up to 5kg in weight, to be inspected without problems.

The new quality|assurance software was designed to offer ease of use, together with many-sided fully digital image processing. In addition, the powerful algorithm toolbox XE² offers the best solution for application testing.

“The microme|x is an ideal system for solder joint inspection in any production or laboratory environment”, said Mike Rapson, Managing Director at Contax Ltd. “In addition to the system's high performance capabilities, it features a board handling facility for the automated loading of assembled boards. This enables multiple inspection tasks to be carried out and repeated in an easy, reliable and time-saving manner”, he said.

About Contax

Contax is one of the UK and Ireland's most comprehensive suppliers of automation equipment. Products range from PCB assembly, automatic optical and x-ray inspection, reflow solder, screen printing, precision liquid dispensing, cable preparation, robotic soldering and robotic assembly as well as cleaning systems. All of this is backed up by Contax's after sales operation and an extensive second user department to fully support their installed base.

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Note to editors: Please email: Angelina@arturi-pr.co.uk for a high resolution copy of the phoenix|x-ray microme|x below.



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