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## PRESS RELEASE

### **Saki Adds Ultra-High-Speed 3D AXI Solution to In-Line X-ray PCB Inspection Range**

**New AXI machine doubles cycle-time speed while maintaining inspection accuracy**

**Tokyo, Japan – January 19, 2023 – Saki Corporation, an innovator in the field of automated optical and X-ray inspection equipment, announces the addition of a new 3D X-ray Automated Inspection System (3D-AXI) to its popular 3Xi-M110 range, bringing further improvements in cycle time and inspection accuracy. The newly developed 3Xi-M110 V3 delivers an impressive 50% cycle-time reduction and the highest accuracy volumetric inspection results on the market today.**

Building on the previous enhancements released in 2022, Saki starts the new year with further optimizations to its 3D automated X-ray range. The need for premium printed circuit board and component inspection has grown year-on-year. Saki stands at the forefront of the essential technology required for automated quality assurance with its 3Xi-M110 V3 heading the Saki Total Inspection Line Solution, delivering the cutting-edge results manufacturers strive for.

At the core of the machines' upgrades is the exclusive Planar CT technology and a suite of tools that are custom developed in-house to optimize the inspection of PCBs of every type. The 3Xi-M110 V3 model delivers cycle times of more than twice as fast as previously possible and the accuracy provided is unparalleled, ensuring cleaner results untarnished by shadows or noise.

Saki's Planar CT technology used in the 3Xi-M110 detects solder joint defects and microstructure abnormalities in high-density PCBs. The automated X-ray inspection system utilizes Real 3D volumetric inspection to clearly identify voids in multi-layer solder, THT assembly and BGA head-in-pillow issues, and defective component parts based on fillet position and other factors.

The 3Xi-M110 V3 maintains the same light weight and compact footprint as the original 3Xi-M110 while consuming 40% less power per board, which underlines



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Saki's commitment to contributing to sustainable manufacturing with Saki's latest inspection solutions.

Saki will debut the 3Xi-M110 V3 machine at the 37th NEPCON JAPAN, which will be held at Tokyo Big Sight on January 25-27. Visitors to the show are invited to Saki's booth (East Hall 2, Booth No. 15-1) for a demonstration and to discover Saki's latest solutions for the ever-changing inspection environment.

Norihiro Koike, President and CEO of Saki Corporation said: "The 3Xi-M110 V3 model has merged hardware and software optimization to achieve speeds that are twice as fast as the previous model and to help improve manufacturing quality thanks to Saki's proprietary planar CT technology for X-ray inspection. Saki will continue to advance its technology to ensure highest maintainability, manufacturing efficiency and economic viability. For 2023, we look forward to further develop and deepen our relationships with our global customer base and business partners."

Read more about Saki's 3Xi-M110 automated X-ray inspection system [here](#).

For more information about Saki visit [www.sakicorp.com/en/](http://www.sakicorp.com/en/).

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#### Available images



**Image Source: Saki**

New Saki ultra-high-speed 3D-AXI machine delivers industry's fastest cycle-time speeds, highest inspection accuracy and 40% less power consumption per board.



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### **About [Saki Corporation](#)**

Since its inception in 1994, Saki has led the way in the development of automated recognition through robotic vision technology. Saki's 3D automated solder paste, optical, and X-ray inspection and measurement systems (SPI, AOI, AXI) have been recognized to provide the stable platform and advanced data capture mechanisms necessary for true M2M communication, improving production, process efficiency, and product quality. Saki Corporation has headquarters in Tokyo, Japan, with offices, sales, and support centers around the world.

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