

# SAKI Corporation's AOI Systems are the First to be Certified by Panasonic to Support its APC-MFB2 System

*SAKI's accurate measurements enhance APC-MFB2 system performance, adding value for pre-reflow inspection and maximizing SMT line yield and OEE performance*

**Tokyo, Japan – 28 January 2019** – [Saki Corporation](#), an innovator in the field of automated optical and x-ray inspection and measurement equipment, announces that SAKI's automated optical inspection (AOI) systems are the first AOI systems certified to support Panasonic's latest Advanced Process Control-Mounted Feedback (APC-MFB2) system. Field tests conducted using SAKI's 3D AOI systems to provide feedback data to Panasonic's APC-MFB2 system resulted in maximization of overall equipment effectiveness (OEE) through increases in process stability and yield. The entire lineup of SAKI 3D AOI systems, in all available image resolutions, including 7 $\mu$ m, 12 $\mu$ m, and 18 $\mu$ m, were certified.

SAKI's 3D AOI system inspects and measures the printed circuit board during the assembly process and feeds measurement results for the components' actual location to the Panasonic NPM series pick-and-place system to ensure mounting position accuracy. The system uses measurement results from SAKI's 3D AOI to analyze placement offset trends and optimize performance to improve SMT production-line process repeatability, accuracy, and yield. APC-MFB2 is an extension of Panasonic's APC-MFB and handles multiple package types such as small-outline and grid array packages.

"We are honored to enter this successful partnership with Panasonic Smart Factory Solutions," said Yoshihiro Akiyama, CTO for SAKI Corporation. "SAKI has always focused on the quality of the data and the accuracy of the measurements that our equipment communicates to the other systems in the SMT line. Thanks to APC-MFB2, feedback can be independent of general variations often found in the components. The process is constantly monitored by a built-in self-diagnostic functionality in the AOI software, elevating machine accuracy and repeatability to the highest level. This is a very important aspect for yield improvement, not only in the pre-reflow process, but in the entire SMT line for meeting M2M connection requirements."

SAKI will be exhibiting this new breakthrough technology for Smart Factory, along with its 3D AOI, SPI, AXI, 2D bottom-side AOI, and award-winning Saki Self-Programming Software, at IPC APEX Expo, January 29-31, San Diego, CA, in booth #1407. For more information or to schedule an interview at the show, contact Saki at +1-510-623-SAKI (+1-510-556-6459), email [sales.us@sakicorp.com](mailto:sales.us@sakicorp.com), or visit our website at [www.sakicorp.com](http://www.sakicorp.com).



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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 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.