

## PRESS RELEASE

### **Saki Corporation Develops Next Generation 3D AOI System with Artificial Intelligence (AI)**

**Supporting Tier 1 automotive manufacturers in the C.A.S.E era**

**Tokyo, Japan – Month 14, 2021 – Saki Corporation, an innovator in the field of automated optical and X-ray inspection equipment, is pleased to announce qualification by DENSO Corporation (Kariya, Aichi, Japan, President: Koji Arima, hereinafter “DENSO”) that officially approves Saki's next generation 3D Automated Optical Inspection System (3D-AOI). The new Saki solution, which will be adopted and implemented by DENSO, is the 3Di-LS2-CASE; a next-generation 3D-AOI machine with enhanced Artificial Intelligence (AI) capabilities.**

The new 3Di-LS2-CASE maintains the industry's highest level of inspection speed and accuracy, thanks to Saki's unique, highly rigid gantry structure, with the addition of AI-based inspection automation functionality. It significantly reduces the number of false calls in the inspection of solder defects (non-wetting) that is difficult to achieve with conventional 3D-AOI technology, and dramatically improves the speed and accuracy of solder defect detection.

The 3Di-LS2-CASE will be available for order from 2022.

Key features of the 3Di-LS2-CASE are:

- Saki's unique AI engine learns from a vast amount of image data of good and bad products, which eliminates the need to tune data during solder inspection, enabling unskilled automated inspection.
- The high inspection quality, a hallmark of all Saki inspection machines, ensures reliable deep learning.
- The simple data flow configuration is resilient to network problems, allowing the construction of a stable system network with excellent maintainability.

With such enhanced performance capabilities, the 3Di-LS2-CASE has been approved as a global standard machine for DENSO. The company's Electronics



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Manufacturing Department spokesperson explained: "Saki's next generation 3D-AOI is an excellent solution that supports the realization of Smart Factories in the C.A.S.E era, allowing full inspection of in-vehicle quality. DENSO will add Saki to its list of approved vendors and will be rolling out Saki's solution globally."

Norihiro Koike, President and CEO of Saki Corporation said: "We are very honored to be approved as a partner for our next generation 3D-AOI by DENSO, a global tier one manufacturer of automotive components. The quality of in-vehicle electronic components that enable the next generation of mobility has become increasingly important. For the factories producing the next-generation of in-vehicle electronic components on increasingly larger scales, AOI systems that deliver highly reliable and accurate inspection performance play a vital role in ensuring the safety of our society and human life. We fully support our customers' objective to ensure safety in the next generation of mobility.

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

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### About [Saki Corporation](http://www.sakicorp.com/en/)

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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