



Koh Young Highlighting its Award-winning Inspection Solutions at IPC APEX EXPO on April 09-11, 2024, in Anaheim, CA

Atlanta, Georgia – Koh Young, the industry leader in True3D measurement-based inspection solutions and the Premier Sponsor of IPC APEX EXPO, invites electronics manufacturers to booth 2112 for live demonstrations of our award-winning inspection solutions. At the show, you can discover the future of inspection technology as Koh Young highlights innovative machines and smart factory software offerings, unveils new solutions to handle your toughest challenges and releases new software enhancements to make your life easier. We look forward to welcoming you to our booth at IPC APEX Expo in Anaheim, California 09-11 April 2024.

At Koh Young, we are revolutionizing process improvement for electronics manufacturers by harnessing the power of AI tools. Simply programming and expedite production with Koh young Auto Programming (KAP). Minimize false calls and prevent escapes while reducing operator judgement subjectivity with Smart Review 3.0. Apply real-time process control with KPO. Below is a sneak-peak into the booth:

Solder Paste Inspection (SPI)

In 2002, we introduced the concept of 3D measurement-based inspection – and it revolutionized the industry. Manufacturers recognize the value of the 3D measurement data and use it to improve the print process, in turn, improving production quality. Today, 3D SPI is a standard requirement for SMT lines. The 8030 Series is our SPI workhorse, and the most popular SPI solution in the market. With patented technology, we deliver trustworthy and repeatable measurement data, which manufacturers can use to reliably optimize the print process.



Automated Optical Inspection (AOI)

The Koh Young 3D AOI Zenith Series delivers accurate inspection performance with True3D measurement technology. At Koh Young, we measure components to precisely identify the component body based on profilometric information. Using this approach, we provide trustworthy inspection results, regardless of component or board color variations. When our 3D measurement data meets artificial intelligence, we can deliver even more advantages to manufacturers.





Automated Pin Inspection (API)

Built on its world-class True3D™ AOI technology, new enhancements help it break through barriers associated with inspecting products with a mix of both Pins and SMDs. The complete KY-P3 lineup provides an automated back-end solution combining advanced high-resolution optics and innovative AI-powered vision algorithms for single pin, press-fit, and Final Optical Inspection, as well as for pins inside a connector shroud, while also inspecting traditional SMDs on the same product. Because of its quantitative measurement-based approach, accuracy and repeatability is unsurpassed.



Dispense Process Inspection (DPI)

The award-winning Neptune is the industry's first 3D optical measurement solution for transparent material inspection. Using Koh Young LIFT technology (Laser Interferometry for Fluid Tomography), the Neptune delivers non-destructive 3D inspection to precisely measure and inspect fluids – wet or dry. With its Machine-Learning algorithm, the Neptune accurately measures materials for coverage, thickness, and consistency with a user-defined threshold setting. It also identifies bubbles, cracks, and other defects in coating. It also measures underfill, epoxy, bonding, glue, potting, flux, and more to deliver an exact measurement of materials.



Process Control Software

AI-powered KSMART solutions help automate process control, while focusing on data management, analysis, and optimization. It collects data from across the factory for defect detection, real-time optimization, enhanced decisions, and traceability to improve production, increase quality, and lower costs by eliminating variances, false calls, and escapes. Koh Young can help manufacturers solve significant business challenges by applying connectivity to modernize industry processes. By leveraging IPC-CFX with its AI-powered technologies, Koh Young successfully applies real-time data to improve the production process by converting data into process knowledge. Combined with IPC standards, Koh Young can open the gates to a smart factory for anyone.





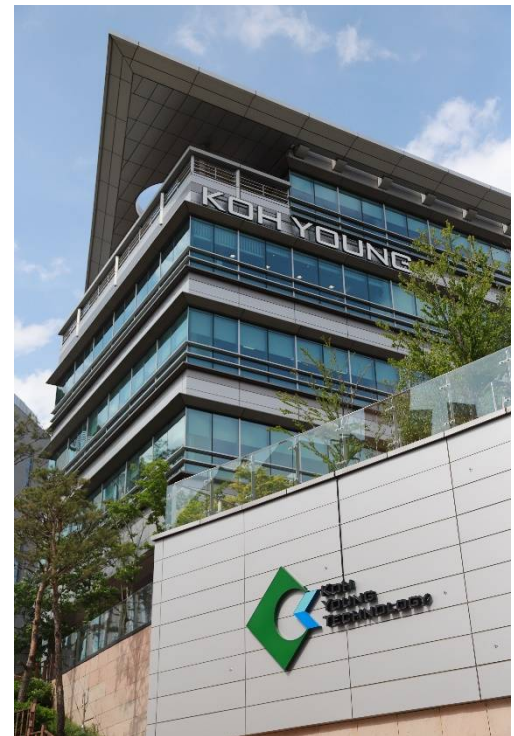
Process Optimization Software

The award-winning Koh Young Process Optimizer (KPO) solution is an AI-based automatic process optimizer. This system improves the critical printer parameters to help manufacturers optimize the print and mount processes, without the need for dedicated manufacturing process experts. Furthermore, KPO monitors and perfects parameters in real-time to guarantee quality despite environmental changes.

To learn more about how our solutions boost your quality, visit us at the IPC APEX EXPO in Booth 2112 at the Anaheim Convention Center in California. You can register to attend the in-person conference and exposition at <https://www.ipcapexexpo.org/>. If you cannot attend the show, you can learn more about our best-in-class inspection solutions at our regional website www.kohyoungamerica.com.

About Koh Young Technology

Established in 2002, Koh Young revolutionized the inspection market by launching the industry's first 3D Solder Paste Inspection (SPI) system using a patented dual-projection Moiré technology. Since then, it has become the global leader in 3D measurement-based SPI and Automated Optical Inspection (AOI) equipment for the electronics industry. Based on its True3D™ measurement-based inspection technology, Koh Young has developed innovative inspection solutions for challenges with machined parts, press-fit and through-hole pins, conformal coatings, dispensed materials, and semiconductor packages. Through its constant innovation, Koh Young has secured over 3,600 global customers, and commands the dominant global market share position in the SPI and AOI markets with over 23,000 machine installations. A customer-centric R&D focus uses our core competencies to develop innovative solutions for new and existing markets by listening to users and researching trends and applications. From the headquarters in Korea, activities spread across the world through its global sales and support infrastructure spanning Europe, Asia, and the Americas. These regional offices ensure Koh Young stays close to the market, and more importantly, its growing user base. Learn why so many electronics manufacturers trust Koh Young for reliable inspection for a smart factory at our website at www.kohyoungamerica.com or www.kohyoung.com.



For More Information

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