



Koh Young to Showcase Award-winning Inspection and Smart Factory Solutions at SMTconnect on May 10-12, 2022, in Nuremberg, Germany

Alzenau, Germany – Koh Young Technology, the industry leader in True 3D measurement-based inspection solutions, will highlight an array of award-winning inspection and measurement solutions at SMTconnect in booth 4.A-233 on the NürnbergMesse event grounds during 10-12 May 2022. The following is just a glimpse into what Koh Young will have in store for our visitors at the tradeshow:

Solder Paste Inspection (SPI)

In 2002, we introduced the concept of 3D measurement-based solder paste inspection – and it revolutionized the inspection industry. Today, manufacturers recognize the value of the 3D measurement data and use the data to improve the print process, in turn, improving production yield and quality. Today, 3D SPI has become a standard requirement for SMT lines – it is no longer optional. The **KY8030-3** is our SPI workhorse, and the most popular SPI solution in the electronics manufacturing market. With a patented dual-projection technology, we deliver trustworthy measurement data, which manufacturers can use to reliably optimize the print process.



Automated Optical Inspection (AOI)

The Koh Young 3D AOI **Zenith** delivers perfect inspection performance with True 3D measurement technology. In the 2D inspection world, false calls and escapes are unavoidable. To solve this problem, we took a different approach. We based our solution on full 3D measurement technology, not 2D technology and its inherent shortcomings or 2D with some 3D capabilities bolted-on to help. At Koh Young, the Zenith measures all components in True 3D. We find the component body based on true 3D profilometric information. Using this approach, we provide trustworthy inspection results, regardless of component or board color variations. Building on the Zenith AOI, we have the **Meister**, which is the industry's leading inspection systems for advanced packaging & semiconductors. When our 3D measurement data combines with our A.I. engine, we deliver even more advantages.





Automated Pin Inspection (API)

Built on its world-class True3D AOI technology, new enhancements help it breakthrough barriers associated with inspecting products with a mix of 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 in a connector shroud and traditional SMDs on the same board. Because of its quantitative measurement-based approach, accuracy and repeatability is unsurpassed.



Dispense Process Inspection (DPI)

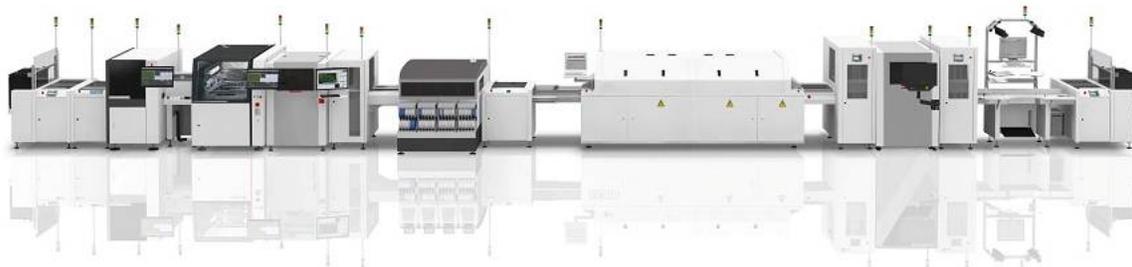
The award-winning **Neptune** is the industry's first 3D optical measurement solution for transparent material inspection. Using Koh Young LIFT technology (Laser Interferometry for Fluid Tomography), the Neptune delivers non-destructive 3D inspection to precisely measure and inspect fluids – wet or dry. 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 transparent and translucent materials.

Smart Factory Solutions

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.

To learn more about how our solutions can boost your quality, visit us at SMTconnect in booth 4.A-233 on the NürnbergMesse event grounds during 10-12 May 2022. You can plan and prepare for the event at <https://smt.mesago.com/nuremberg/en/planning-preparation.html>. If you are unable to attend the show, you can still learn more about our best-in-class inspection solutions at www.kohyoung.com.

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About Koh Young Technology, Inc.

Established in 2002, Koh Young pioneered the market by launching the 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 solutions for challenges with Machining Optical Inspection (MOI), Dispensing Process Inspection (DPI), and Semiconductor Packaging Inspection (MEISTER Series). Through its technology innovations, Koh Young has secured thousands of global customers, and maintains the largest global market share in the SPI and AOI markets. Additionally, by adopting its user-centric R&D activities, it continues to use its core competencies and develop innovative solutions for new and existing markets. Its activities stem from the corporate headquarters in Korea to its global sales and support offices in Europe, Asia, and the Americas. These local facilities ensure it keeps in close contact with the market, and more importantly, its growing customer base to provide access to an award-winning network of inspection and measurement experts. Learn why so many electronics manufacturers trust Koh Young for reliable inspection at kohyoung.com.

For More Information

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