KOH YOUNG TECHNOLOGY
INTELLIGENT INSPECTION

Koh Young Unveils Breakthrough Innovations at Productronica and SEMICON Europa 2025

Seoul, Korea – Koh Young, the industry leader in True 3D measurement-based inspection and metrology solutions, will showcase a wave of innovations at Productronica and SEMICON Europa 2025, taking place November 18–21 at Messe München, Germany. Visitors can explore Koh Young's latest advances in electronics manufacturing and semiconductor packaging at Booth A2.377 for Surface Mount Technology (SMT) and software innovations, and at Booth B1.213 for advanced packaging and semiconductor metrology.

Exhibition Highlights

Koh Young will introduce new software, algorithms, and inspection capabilities combining True 3D measurement with AI and automation to enhance quality, efficiency, and process control.

- **THT Inspection** – New algorithms for Through-Hole and press-fit joints ensure reliable inspection in mixed-technology assemblies, reducing escapes and costly rework.
- **KSMART** – A data analytics platform that turns inspection results into actionable insights, enabling real-time optimization and continuous improvement toward the Smart Factory.
- **KAP** (Koh Young Auto-Programming) – AI-assisted auto-programming that generates optimized inspection programs automatically, reducing setup time from hours to minutes.
- **Smart Review** – An intelligent defect review system that filters false calls and highlights real defects, minimizing operator workload and accelerating corrective action.
- **KY8030-3** – Equipped with a telecentric lens and 8-megapixel camera for sharper solder paste measurement and improved printing accuracy.
- **Zenith 2** – Enhanced with side-view cameras that deliver more comprehensive inspection coverage, catching hidden or partially obscured defects that traditional AOI systems miss.
- **Zenith UHS** (Ultra High Speed) – Now capable of inspecting components up to 60 mm in height, supporting reliable quality control for tall devices used in EVs, power electronics, and data infrastructure.

Technology Showcase

- **KY8030-3** High-speed True 3D Solder Paste Inspection (SPI) with new telecentric optics and 8 MP resolution, providing sharper images and more consistent solder paste quality.
- **aSPIre3** Maximum-precision True 3D SPI solution for fine-pitch and advanced designs.
- **Zenith Alpha HS+** High-speed True 3D Automated Optical Inspection (AOI) system balancing inspection speed and accuracy for high-volume SMT production.
- **Zenith UHS** The fastest True 3D AOI platform, now supporting tall component inspection up to 60 mm, ideal for EV, power, and infrastructure applications.
- **Zenith 2** AOI platform with enhanced side-view cameras for comprehensive coverage, capable of detecting defects on hidden and obscured components.
- **Neptune C+** Inspection of transparent and conformal coating materials using patented LIFT (Laser Interferometry for Fluid Tomography) technology.
- **Meister D+** Advanced semiconductor metrology system with sub-micron accuracy, designed for reflective and complex surfaces in advanced packaging.

Visit Koh Young

Experience Koh Young's True 3D inspection, AI-driven software, and intelligent optimization tools in action. Visit Booth

- A2.377 (Productronica – SMT & software)
- B1.213 (SEMICON Europa – advanced packaging & semiconductor)

Learn more at www.kohyoung.com.

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About Koh Young Technology, Inc.

Founded in 2002, Koh Young transformed the inspection market with the industry's first 3D Solder Paste Inspection (SPI) system using patented dual-projection Moiré technology. Today, Koh Young is the global leader in True3D™ measurement-based metrology and inspection solutions for electronics manufacturing. Building on its core True3D technology, Koh Young has expanded its capabilities to address complex inspection challenges, including machined parts, press-fit and through-hole pins, conformal coatings, dispensed materials, and semiconductor packaging. Through continuous innovation and a customer-focused R&D approach, it has earned the trust of more than 3,800 customers worldwide and maintains the dominant global market share with over 25,000 systems installed. Headquartered in Korea with its European operations based in Alzenau, Germany with additional regional offices across the globe, Koh Young provides local support to stay close to its growing user base. Electronics manufacturers around the world rely on Koh Young to deliver reliable inspection, actionable process insight, and a pathway to a smarter factory. Learn more at www.kohyoung.com.