



Koh Young Turns Measurement-based Inspection Data into Manufacturing Intelligence at SMTA International 2026

Smart AI Solutions combine trusted True3D measurement data, artificial intelligence, and process optimization to improve production decisions

Atlanta, Georgia – Koh Young Technology, the industry leader in True3D™ measurement-based inspection solutions, will showcase its latest inspection and process optimization technologies at SMTA International 2026 at the Donald E. Stephens Convention Center in Rosemont, Illinois. Visitors to Koh Young in Booth 2823 during the October 27–29 exhibition can explore how trusted measurement data, artificial intelligence, and connected software work together through Koh Young's Smart AI Solutions to improve inspection performance, reduce programming and review demands, optimize processes, and support better production decisions.

As electronics manufacturers face increasing product complexity, workforce challenges, and pressure to improve quality and productivity, Koh Young continues to expand the role of inspection beyond defect detection. Its Smart AI Solutions use trusted True3D measurement data as the foundation for applications that automate traditionally manual tasks, improve consistency, and transform inspection results into actionable information.

True3D Automated Optical Inspection

The Zenith 2 UHS Automated Optical Inspection (AOI) system combines high-speed inspection with Koh Young's True3D measurement technology to accurately measure components and solder joints. Rather than relying primarily on 2D image interpretation, Koh Young uses quantitative 3D measurement data to evaluate inspection conditions and deliver consistent results despite variations in board color, component appearance, and substrate conditions.



This measurement-driven approach provides the reliable data foundation needed for Koh Young's AI-powered solutions. By combining inspection accuracy with intelligent automation, manufacturers can reduce false calls and escapes while improving consistency across operators, products, and production lines.

True3D Dispense Process Inspection

The award-winning Neptune C+ provides True3D inspection for transparent and translucent materials used in dispensing and coating processes. Using Koh Young LIFT technology (Laser Interferometry for Fluid Tomography), Neptune C+ performs non-destructive 3D measurement of conformal coating, underfill, epoxy, adhesive, potting, flux, and other materials.

The system measures coverage, thickness, and consistency while identifying process defects such as bubbles, cracks, and insufficient or excessive material. By replacing subjective inspection with quantitative measurement data, Neptune C+ gives manufacturers greater visibility and control over critical dispensing processes.



Smart AI Solutions

Koh Young's Smart AI Solutions extend the value of inspection data beyond the inspection machine. AI-powered applications help automate programming, defect review, process analysis, and production optimization, reducing dependence on manual intervention while helping manufacturers respond faster and more consistently to changing production conditions.



KSMART connects inspection and production data to provide greater visibility into process performance, while solutions such as KAP and Smart Review apply AI to traditionally labor-intensive programming and review activities. Together, these technologies help reduce programming time, improve defect review consistency, identify process variation, and turn inspection data into better production decisions.

From Inspection to Process Optimization

Koh Young Process Optimizer (KPO) takes inspection intelligence directly into the production process. KPO Printer uses SPI measurement data and artificial intelligence to analyze printing performance and optimize key printer parameters. KPO Mounter extends the same approach to component placement, using inspection data to identify trends and help correct process deviations.

Together, these capabilities demonstrate how inspection can evolve from identifying defects to helping prevent them. By connecting True3D measurement data with production equipment, Koh Young helps manufacturers create a closed-loop environment where inspection results can drive continuous process improvement.

This connected approach represents the broader vision behind Koh Young's Smart AI Solutions: Measure Everything, AI Everywhere. Trusted measurement data provides the foundation, artificial intelligence transforms that data into actionable intelligence, and connected software helps manufacturers apply those insights across the production line.

Visit Koh Young in Booth 2823 during the SMTA International exhibition, October 27–29, 2026, at the Donald E. Stephens Convention Center in Rosemont, Illinois, to see how Smart AI Solutions can help transform inspection data into better manufacturing decisions.

For more information about Koh Young Technology and its True3D inspection and Smart AI Solutions, visit Koh Young America at www.kohyoungamerica.com or visit us at the show in booth 2823.

About Koh Young Technology, Inc.

Koh Young helps manufacturers prevent defects, stabilize processes, and increase throughput. Since 2002, the company has led True3D™ measurement-based metrology and inspection, beginning with the industry's first 3D solder paste inspection system using patented dual-projection Moiré technology. Building on that foundation, Koh Young addresses complex applications including machined parts, press-fit and through-hole pins, conformal coatings, dispensed materials, and semiconductor packaging. A continuous innovation mindset and a customer-focused R&D approach underpin its leadership. With global operations and regional teams, Koh Young provides local support, training, and process expertise that turn inspection data into decisive, closed-loop action for a smarter factory. Learn more about our measurement-based solutions at www.kohyoung.com.