



FOR IMMEDIATE RELEASE

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ViTrox Collaborates with SMT to Accelerate Smart Manufacturing with Next-Gen AI Inspection Technologies at SMTA Guadalajara 2026

PENANG, MALAYSIA – September 2026 – ViTrox, which aims to be the World's Most Trusted Technology Company, is excited to announce its participation in **SMTA Guadalajara Expo & Tech Forum 2026** in close collaboration with its esteemed partner, **SMT Engineering**. The event will be held from **7 & 8 October 2026** at **Expo Guadalajara, Salón Jalisco, Jalisco, Mexico**. Visitors can find ViTrox at **Hall D, Booth #734** to experience their latest award-winning breakthroughs in AI-driven inspection and smart manufacturing.

At the exhibition, ViTrox will showcase its latest innovations in smart manufacturing and advanced vision inspection technologies, specifically engineered to address the critical quality challenges driven by the rapid adoption of AI and advanced packaging. This lineup reinforces our commitment to supporting global customers with high-performance quality inspection solutions, including:

- **[Smart 3D AXI System V810Ai QX1](#)**: Recognised with the prestigious 2026 New Product Introduction (NPI) Award, the **Smart 3D AXI System V810Ai QX1** is an AI-powered

inspection solution engineered for ultra-high-resolution imaging of up to 2µm. Designed to enable the reliable detection of micro-defects in advanced packaging applications—such as Flip Chip and System-in-Package (SiP)—the system delivers advanced SMT inspection performance even for heavily shaded and complex components. By combining cutting-edge AI capabilities with precision imaging, it ensures consistent defect detection and superior inspection quality for next-generation manufacturing.

- **[Smart Robotic Optical System V510Ai R](#)**: Equipped with a 6-axis robotic arm, this system delivers high-precision automated inspection for conformal coatings and final assemblies, making it ideal for partially hidden or challenging components. The advanced robotic integration ensures comprehensive coverage with enhanced accessibility to complex areas. Engineered for demanding manufacturing environments, the V510Ai R ensures reliable quality verification while significantly improving overall inspection efficiency.
- **[Smart 3D AOI System V510Ai DST](#)**: Designed for advanced SMT and THT assembly, this dual-sided inspection solution offers simultaneous high-speed 2D and 3D inspection for comprehensive back-end PCB coverage. It features an industry-leading 100mm top clearance for tall components, alongside AI Smart Programming for CAD-less setup and Smart Measurement for metrology applications. These intelligent features enable faster deployment, reduced false calls, and streamlined inspection processes across the production line.

Empowering Traceability and Efficiency: The VisionXpert Series

ViTrox will also highlight its compact, versatile smart vision solutions designed for seamless factory integration:

- **[VisionXpert Smart Camera \(XC Series\)](#)**: Acting as a compact yet powerful “mini AOI” system, the XC Series significantly improves production efficiency. It combines advanced vision tools, AI auto-tuning, and deep learning algorithms to deliver highly accurate inspection results. Its space-saving design allows effortless integration, offering manufacturers a cost-effective solution for automated inspection.
- **[VisionXpert Smart Code Reader \(XS Series\)](#)**: Engineered to enhance traceability and productivity, this intelligent solution features advanced decoding, deep learning, and AI auto-tuning capabilities. It supports seamless line integration with low cost of ownership, making it perfectly suited for dynamic and fast-paced production environments.

ViTrox looks forward to engaging with industry professionals at SMTA Guadalajara 2026. Visit us at **Hall D, Booth #734** to experience live demonstrations, gain expert consultation, and explore how our advanced inspection and automation solutions can enhance manufacturing excellence. To secure an exclusive appointment with ViTrox's technical experts during the event, please click the registration [link](#) or scan the provided QR code.



About ViTrox Technologies

ViTrox is committed to being the World's Most Trusted Technology Company and the leading solutions provider through the most innovative, advanced, and cost-effective machine vision solution of excellent quality to its customers by integrating ViTrox's technologies, people, and strategic alliances.

ViTrox offers a full spectrum of solutions, ranging from [Middle & Back-end Semiconductor Inspection Solutions](#), [SMT PCB Assembly Vision Inspection Solutions](#), [Integrated Industrial Embedded Solutions](#), and [Manufacturing Intelligence Solutions Towards 5.0](#). ViTrox is headquartered in Penang, Malaysia, with regional offices in Asia, Germany, the United States, and is supported by a global network of sales and support sites.

For more information about ViTrox's products and services, please visit www.vitrox.com.