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ViTrox to Showcase AI-Driven Smart Manufacturing & Vision Inspection Innovations at SMTA Penang 2026

PENANG, MALAYSIA – September 2026 – ViTrox, which aims to be the World's Most Trusted Technology Company in providing innovative, advanced, and cost-effective automated Machine Vision Inspection Solutions for the semiconductor and electronics packaging industries, is pleased to announce its participation in SMTA Penang 2026. The exhibition will be held from **23 to 24 September 2026** at the **Iconic Marjorie Hotel** in Penang, Malaysia, where ViTrox will be exhibiting at **Booth #SP03**.

During the exhibition, ViTrox will introduce its comprehensive [**SMT PCBA Vision Inspection Solutions**](#). Interconnected through ViTrox's Manufacturing Intelligence Solutions Towards Industry 5.0 – V-ONE, these smart manufacturing innovations build a fully integrated, AI-driven Inspection Ecosystem. By ensuring seamless data exchange and genuine closed-loop control, this powerful setup enables manufacturers to eliminate human error, catch defects early in the

cycle, fine-tune process performance, and guarantee unwavering quality at every stage of production.

Driving Traceability and Operational Efficiency: The VisionXpert Series

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

- **[VisionXpert Smart Camera \(XC Series\)](#)**: Functioning as a compact yet powerful “mini AOI” system, the XC Series significantly boost 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, providing manufacturers with a cost-effective solution for automated inspection.
- **[VisionXpert Smart Code Reader \(XS Series\)](#)**: Engineered to enhance traceability and drive productivity, this intelligent solution incorporates high-level decoding, deep learning, and AI auto-tuning capabilities. It supports seamless line integration with low cost of ownership, making it well-suited for dynamic and fast-paced production environments.

V-Trace Solutions: Empowering Complete End-to-End Manufacturing Traceability

V-Trace Solutions deliver intelligent process guidance and automated product verification to enhance manufacturing accuracy, refine quality assurance, and strengthen traceability across production lines:

- **VisionSmartGuide**: Powered by AI vision technology, this solution provides real-time guidance and step-by-step process validation for manual assembly operations. Using advanced AI video processing technology, it helps error-proof assembly at the source by validating each step as it occurs, flagging incorrectly assembled products before they advance to the next production stage.
- **VisionSmartCheck**: A newly launched automated vision inspection solution powered by the **[VisionXpert Smart Camera](#)**. Acting as a digital gatekeeper on the production line, it replaces subjective manual inspections with traceable automated inspection while seamlessly syncing data to the V-Trace server for complete end-to-end traceability.

ViTrox warmly invites visitors to join an insightful Technical Sharing Session presented by **Mr Ng Hoong Zong**, Product Marketing Engineer. The presentation, titled “**Who Checks the Inspection Program? Measurable Quality Control for AXI**,” is scheduled for **23 September 2026** from **9:30am to 10:00am**. The session will address critical strategies for maintaining inspection integrity and establishing measurable quality-control benchmarks in Automated X-ray Inspection (AXI) processes.

Meet ViTrox at **Booth #SP03** to discover our latest smart manufacturing and inspection solutions, experience live product demonstrations, and connect with our experts to experience

how AI-driven technologies are shaping the future of semiconductor and electronics assembly. To schedule a meeting during the exhibition, simply click [here](#) or scan the QR code below.



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.