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ViTrox Showcases Intelligent Automation and Manufacturing Intelligence Solutions at Automex Penang 2026



PENANG, MALAYSIA – October 2026 – ViTrox, which aims to be the World's Most Trusted Technology Company, is pleased to announce its participation in Automex Penang 2026. The exhibition will be held from **3 to 5 November 2026** at the **Setia SPICE Convention Centre** in Penang, Malaysia, where ViTrox will be exhibiting at **Booth #2156**.

As Automex Penang 2026 brings together manufacturers, engineers, and industry decision-makers to explore solutions that improve productivity and competitiveness, ViTrox is using this platform to present its latest innovations in digital manufacturing and intelligent automation. ViTrox will showcase a comprehensive portfolio of smart manufacturing solutions, including:

V-ONE 5.0: The Industrial Data Intelligence Platform

ViTrox's V-ONE 5.0 forms the digital backbone of its Manufacturing Intelligence Solutions, driving manufacturers towards Industry 5.0. It unifies machines, enterprise systems, and human operations into one ecosystem, converting shop-floor data into real-time, actionable insights to optimise production efficiency and drive data-driven smart manufacturing.

Highlighted V-ONE 5.0 Features

V-ONE 5.0: An intuitive, low-code platform that is engineered to accelerate the development of custom Industry 4.0 applications with drag-and-drop tools. Powered by **Builder AI**, teams can describe what they need in a prompt and have it set up workflows and chatbots, auto-generate UI layouts, convert flowcharts into e-tickets and create live-data widgets, while the V-ONE Marketplace provides instant access to over 70 ready-to-use apps that proactively solve manufacturing challenges.

V-ONE MARS: An industry-grade gateway that simplifies data acquisition and logic automation through intuitive interfaces, enabling seamless sensor integration and real-time analytics. Powered by V-ONE MARS Edge software, it connects to the V-ONE Cloud via multiple interfaces and protocols, supporting zero-code IoT configuration through device components, function nodes, and logic workflows.

DIMo – Tablet Version: A flexible Job Intelligence solution developed for manufacturing environments, supporting both cloud and on-premise deployments. It digitalises work order management and production tracking while improving communication and coordination between planning teams and shop-floor operations through DIMo interactive devices.

Prompt Support for Digital Analytics — An AI assistant that turns industrial data into clear, actionable insights through natural language interaction, enabling real-time troubleshooting and production analysis.

MES & ERP Integration: Enterprise Resource Planning (ERP) acts as the organisation's strategic backbone, unifying core business functions such as finance, procurement, and sales to enable seamless, enterprise-wide data flow. Working in alignment with broader business objectives, the **Manufacturing Execution System (MES)** delivers real-time visibility and control over the production floor, converting high-level orders into precise, trackable operations that enhance shop-floor efficiency.

V-Trace Solutions for End-to-End Manufacturing Traceability

V-Trace Solutions provides intelligent process guidance and automated product verification to strengthen manufacturing accuracy, quality control, and traceability across production:

VisionSmartGuide — An AI vision-powered solution that provides real-time guidance and step-by-step process validation for manual assembly operations. Using AI video processing technology helps error-proof assembly at the source by validating each step as it happens, flagging incorrectly assembled products before they proceed to the next stage.

VisionSmartCheck — An automated vision inspection solution powered by the VisionXpert Smart Camera. Acting as a digital gatekeeper on the production line, it replaces subjective manual inspection with traceable automated verification while transferring inspection data to the V-Trace server for complete end-to-end traceability.

VisionXpert: Intelligent Vision Solutions

The **VisionXpert Solutions** deliver edge-level vision processing that enables fast inspection, real-time decision-making, and seamless integration into smart manufacturing environments:

VisionXpert Smart Camera (XC-330): An advanced smart vision solution engineered to deliver fast and accurate inspection with seamless integration into production environments. Equipped with a powerful built-in processor and a comprehensive suite of ready-to-use vision tools, the XC Series performs edge-level image processing directly at the source, reducing system latency while improving inspection accuracy, operational efficiency, and production reliability.

VisionXpert Smart Code Reader (XS-130): 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.

In addition, ViTrox's sales and technical experts will be on hand to introduce the company's Integrated Industrial Embedded Solutions, including Industrial I/O, Motion Control, and Illumination solutions. Visitors can connect with the team to explore technical specifications, real-world case studies, and customised application possibilities.

ViTrox warmly invites visitors to join an insightful Technical Sharing Session presented by **Ms Helen George Elbert**, Executive Business Development. The presentation, titled **"ViTrox Manufacturing Intelligence Solutions: Three Things Your Shop Floor Can't Tell You,"** is scheduled for **4 November 2026** from **2:30 pm to 3:00 pm**.

Discover More at Automex Penang 2026

Meet ViTrox at **Booth #2156** to explore its smart manufacturing and inspection solutions, experience hands-on demonstrations, and connect with the team to discover how AI-driven technologies are shaping the future of intelligent automation and digital manufacturing. Schedule a meeting during the show by clicking here or scanning the QR code below. For further inquiries, please contact us at enquiry@vitrox.com.



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.