



FOR IMMEDIATE RELEASE

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ViTrox Accelerates Smart Manufacturing Transformation with AI-Powered Inspection Solutions at Productronica India 2026

Humanised Intelligence TRUSTED Results

SMT PCB Vision Inspection Solutions

- V310Ai SE Smart 3D SPI System
- V510Ai XL Smart 3D AOI System
- V510Ai DST Smart 3D AOI System
- V510Ai Vision Pro Smart 3D AOI System
- V810Ai QX1 Smart 3D AXI System

NEW V-Trace Solutions

- VisionsmartCheck AI Vision Inspection with Traceability
- VisionsmartGuide AI-Guided Assembly Process Validation

Manufacturing Intelligence Solutions Towards IRS.0

- V-ONE AI Self-Healing Solution

Integrated Industrial Embedded Solutions

- XC Series VisionXpert Smart Camera Solutions
- XS Series VisionXpert Smart Code Reader Solutions
- I/O Cards | Motions | Illuminations Integrated Industrial Embedded Solutions
- AMR Integrated Material Handler

VIE Autonomous Mobile Robot

productronica INDIA 2026.09.16 - 09.18
Bengaluru International Exhibition Center (BIEC) | India

Collaboration Partners:
MAXIM SMT **BERGEN**

Hall 4 Booth #E15 Hall 4 Booth #B-11

Schedule Appointment

PENANG, MALAYSIA – August 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 at Productronica India 2026. Alongside valued **Sales Channel Partners (SCPs), Maxim SMT and Bergen Group**, ViTrox will exhibit at the Bengaluru International Exhibition Centre (BIEC) from September 16–18, 2026, located in Hall 4 at Booths E15 (Maxim SMT) and B-11 (Bergen Group). ViTrox will showcase its advanced AI-driven inspection technologies and Manufacturing Intelligence solutions designed to empower manufacturers in building connected, self-optimising factory ecosystems.

Addressing Emerging Inspection Frontiers: The V810Ai QX1 HR & HS Smart 3D AXI System

A key highlight this year is the QX1 HR & HS, our latest high-precision X-ray inspection solution engineered specifically for complex semiconductor challenges. As market demands shift toward high-density packaging, the QX1 HR & HS delivers unmatched capability in solving

advanced inspection requirements, including cold plate and C4 bump inspection, ensuring unparalleled quality control for high-value components.

The Smart SMT Inspection Ecosystem

ViTrox continues to set the standard for PCB assembly through its robust lineup of AI-driven 3D inspection technologies, designed to handle everything from standard high-speed production to complex, large-format boards:

- [**V310Ai SE Smart 3D SPI System**](#): Enabling precise solder paste deposition through real-time adaptive control, this system seamlessly integrates into smart production lines to boost yields and minimise defects.
- [**V510Ai DST Smart 3D AOI System**](#): A dual-sided inspection powerhouse designed for both SMT and THT assembly lines. Featuring AI Smart Programming and AI Auto Buy-off, it significantly reduces manual review efforts and buy-off time.
- [**V510Ai XL Smart 3D AOI System**](#): Engineered for rapid, high-precision inspection of large printed circuit boards (PCBs) up to 460 × 690 mm, this system remains a trusted choice for top-tier EMS companies requiring efficiency and accuracy.

Intelligent Factory Automation: ViTrox's V510Ai Vision Pro Smart 3D AOI System & ViE's Autonomous Mobile Robots

To support the transition toward Smart Factory automation—critical for the automotive and advanced electronics sectors—ViTrox is spotlighting its latest capabilities in the automation suite. Featuring ViTrox's [**V510Ai Vision Pro inspection systems**](#) alongside ViE's [**Autonomous Mobile Robots \(AMRs\)**](#), these solutions are designed to enhance efficiency in module manufacturing. Our team will be on hand to discuss how these technologies can be integrated into your production lines to scale performance and drive intelligent automation.

Connectivity as the Core: ONEView. Process Insight

True manufacturing intelligence extends beyond individual machines. ViTrox bridges the gap between hardware and operational data through our Manufacturing Intelligence Solutions Towards Industry 5.0 (V-ONE), including ONEView and Process Insight. By weaving these software solutions into our inspection workflow, we provide manufacturers with a unified, transparent view of their production lines. This enables real-time decision-making, predictive quality management, and AI-powered self-healing, ensuring that every machine on the floor contributes to a smarter, data-driven manufacturing ecosystem.

VisionXpert: Intelligent Vision Solutions for Smart Manufacturing

VisionXpert Solutions brings powerful edge-level vision intelligence directly to the production floor, enabling high-speed 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 \(XS-130\)](#)**: A smart code reading solution developed for fast and accurate identification on production lines. With robust decoding capabilities and stable reading performance, it enhances traceability, streamlines manufacturing workflows, and supports automated manufacturing processes.

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

V-Trace Solutions empower manufacturers with intelligent process guidance and automated product verification to enhance manufacturing accuracy, strengthen quality control, and ensure complete traceability throughout the different stages of production:

- **VisionSmartGuide**: An AI vision-powered solution designed to provide real-time guidance and step-by-step process validation for manual assembly operations. Leveraging advanced AI video processing technology, it continuously verifies each assembly step, detects assembly errors instantly, and prevents incorrectly assembled products from progressing to subsequent production stages.
- **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 consistent, traceable automated verification. Inspection results are seamlessly transferred to the V-Trace server, providing comprehensive product records and complete end-to-end traceability.

Experience the Future of Smart Manufacturing

ViTrox invites industry professionals and partners to join us at **Hall 4, Booths E15 and B-11**. Our team of sales and technical experts, along with representatives from Maxim SMT and Bergen Group, will be on-site to provide expert-led insights, technical demonstrations, and tailored solution planning for your specific production challenges.

For more information, please contact us at enquiry@vitrox.com, or to schedule a dedicated consultation with our specialists at Productronica India 2026, click the [link](#) or scan the QR code below. We look forward to meeting you in India and embarking on an innovative journey together!



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.