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Driving Smarter Manufacturing: ViTrox Showcases NPIs and Full Turnkey Solutions at Productronica 2025

productronica
2025.11.18 - 11.21
Tue - Fri

Booth #A2.351
Trade Fair Center Messe München
Germany

Seeing BETTER SMARTER

SMT PCBA Vision Solutions

Manufacturing Intelligence Solutions Towards IR5.0

Integrated Industrial Embedded Solutions

Collaboration Partners: MVTech, comet, yxlon

V510AI DST Smart 3D AOI System

V510AI QX1 Smart 3D AOI System

V510I R Smart 3D AOI System

V510I Smart 3D SPI System

VisionXpert Smart Code Reader (XS Series) Smart Camera (XS Series)

Cheetah EVO 2D & 3D X-ray Inspections

V-ONE Manufacturing Intelligence Solutions Towards IR5.0

Mobile Appointment

PENANG, MALAYSIA - NOVEMBER 2025 - ViTrox 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 excited to announce its participation in **Productronica 2025**, taking place at the **Trade Fair Center Messe München, Munich, Germany (Booth #A2.351)**, from **18th to 21st November 2025**.

At this year's Productronica, ViTrox is thrilled to collaborate with industry leaders **MV Tech** and **Comet Yxlon**. ViTrox will also showcase its next-generation intelligent inspection and manufacturing solutions through a series of exciting New Product Introductions (NPIs). These partnerships underscore the significance of cutting-edge collaborations in advancing smarter, A.I.-driven, and data-connected manufacturing ecosystems, enabling customers to achieve greater productivity, precision, and yield.

Additionally, visitors can look forward to an inspiring showcase of ViTrox's comprehensive ecosystem, encompassing **Smart 3D Solder Paste Inspection (SPI)**, **Smart 3D Optical Inspection (AOI)**, **Smart 3D X-ray Inspection (AXI)**, and **Manufacturing Intelligence Solutions Towards Industry 5.0 (V-ONE)**.

Here's a glimpse of our full turnkey advanced and intelligent solutions:

V310i Optimus Smart 3D SPI - A **high-speed inspection system** featuring intelligent programming, machine learning, and high-resolution 3D imaging for precise measurement and consistent defect detection, with real-time closed-loop control and IPC-CFX-2591 QPL certification for seamless smart manufacturing integration.

V510Ai DST Smart 3D AOI (NEW) - An **award-winning dual-sided inspection solution** for SMT and THT, featuring true 3D measurement and A.I.-driven Smart Programming for high accuracy and faster setup. With A.I.-assisted defect verification and a Centralised Control Tower, it reduces operator dependency while enabling real-time monitoring and remote program fine-tuning.

V510i R Smart Robotic Optical System (NEW) - This advanced system leverages a 6-axis robotic arm platform to deliver flexible multi-angle inspection. It marks the **industry's first 2-in-1 solution** that combines conformal coating and final assembly inspection, empowering manufacturers with comprehensive coverage for smart manufacturing.

V810Ai QX1 Smart 3D AXI (NEW) - An **evolutionary A.I.-powered inspection platform** that delivers ultra-high-resolution imaging for miniature defect detection and accurate 3D reconstruction of internal structures. Equipped with Advanced Planar CT, it enables dual-sided PCB inspection with selective slice analysis for comprehensive defect coverage.

Manufacturing Intelligence Solutions Towards Industry 5.0 (V-ONE) - A smart manufacturing platform that digitises, automates, and optimises operations, providing **real-time data visualisation**, **A.I.-driven insights**, **full traceability**, and **scalable workflow automation** for Industry 5.0-ready manufacturing.

VisionXpert Smart Code Reader (XS Series) - An all-in-one smart code reading solution that optimises decoding across diverse environments with **advanced deep learning algorithms** and **adaptive auto-tuning**. It offers high-speed, high-accuracy code acquisition and reliable performance, enabling manufacturers to maximise throughput in dynamic production settings.

VisionXpert Smart Camera (XC-100 Series) (NEW) - A compact yet powerful **"Mini AOI"** solution that boosts production efficiency. Combining advanced vision tools, A.I. auto-tuning,

and deep learning algorithms, it delivers fast, adaptive, and highly accurate inspections with seamless integration into space-constrained environments.

Meanwhile, **Comet Yxlon** will feature its **Cheetah EVO X-ray Inspection System**, delivering outstanding 2D images in record time and enabling quick laminography for impressive 3D results. Combining programmable workflows, innovative visualisation software, and state-of-the-art A.I. analysis tools, it provides smarter and more efficient inspection performance.

These exciting collaborations showcase the breadth of intelligent solutions attendees can explore at the event, highlighting how ViTrox and its partners are driving innovation in smart manufacturing.

Visit ViTrox at Booth **#A2.351** to experience our intelligent, A.I.-driven innovations that are shaping the future of smart manufacturing. Connect with our experts to explore tailored solutions and discover how ViTrox can power your journey toward a smarter, more connected factory. To schedule a meeting during the show, register your appointment [here](#) or scan the QR code below. For more information, contact us at enquiry@vitrox.com. For more information about MV Tech and Comet Yxlon, please visit their respective websites at <https://mvtech.com.my/> and <https://yxlon.comet.tech/>.



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 [Industry 4.0 Manufacturing Intelligence Solutions](#). ViTrox is headquartered in Penang, Malaysia, with offices in Asia, Germany, and the United States and sales and support sites worldwide.

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