FOR IMMEDIATE RELEASE

Contact:
ViTrox Technologies Sdn. Bhd.
746, Persiaran Cassia Selatan 3,
Batu Kawan Industrial Park,
14110 Bandar Cassia,
Penang Malaysia.
Tel: (+604) 545- 9988
E-mail: enquiry@vitrox.com
Website: www.vitrox.com

ViTrox's V810Ai QX1 AXI has been honoured with the prestigious 2026 New Product Introduction (NPI) Award by Circuits Assembly

PENANG, MALAYSIA – March 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, proudly announces that its latest **V810Ai QX1 Smart 3D X-ray Inspection (AXI) System** has been honoured with the **2026 Circuits Assembly New Product Introduction (NPI) Award** in the **Test and Inspection – AXI category**.

ViTrox representatives receiving the award from Mike Buetow, President of PCEA: (L-R) Mr. Wee Kah Khim, CEO of Board Inspection & Embedded System (BIE); Mr. Lee Sung Way, R&D Director; and Mr. Seow Zi Yang, Senior Director of Business Development.

This achievement underscores ViTrox's commitment to delivering advanced inspection solutions that address the increasing complexity of high-density assemblies and advanced semiconductor packaging.

V810Ai QX1 Smart 3D X-ray Inspection (AXI) System

The V810Ai QX1 AXI is an AI-powered Smart 3D AXI system engineered for ultra-high-resolution imaging of up to 2µm, enabling reliable detection of micro-defects in advanced packaging applications such as Flip Chip and System-in-Package (SiP). Beyond semiconductor packaging, the system also delivers exceptional performance in SMT inspection, particularly in challenging scenarios involving heavily shaded or complex components, ensuring consistent defect detection and superior inspection quality. Its wide tomography angle of up to 50° further enhances defect detection accuracy, especially for Head-in-Pillow (HiP) defects. Powered by proprietary SmartTone imaging and advanced 3D Computed Tomography (3DCT), it delivers precise inspection of critical defects in heavily shaded and challenging inspection scenarios while ensuring accurate reconstruction of complex internal structures.

Equipped with AI-driven solutions, the system optimises programming, defect detection, and verification, reducing manual dependency while improving consistency, throughput, and overall efficiency. With Advanced Planar CT for dual-sided PCB inspection and a high-speed precision imaging architecture capable of detecting defects down to 10µm, the V810Ai QX1 AXI supports the full production lifecycle—from NPI to volume manufacturing—while ensuring seamless integration into smart factory environments via SMEMA and HERMES protocols.

"The V810Ai QX1 AXI reflects ViTrox's commitment to pushing the boundaries of inspection technology through AI and advanced imaging. By combining ultra-high-resolution capabilities with intelligent automation, we empower manufacturers to achieve higher accuracy, improved productivity, and greater confidence in addressing the challenges of next-generation electronics manufacturing," said Lee Sung Way, R&D Director of ViTrox Technologies.

Explore the capabilities of ViTrox's award-winning solutions. To schedule a demonstration or learn more, 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 offices in Asia, Germany, the United States, as well as sales and support sites worldwide.

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