



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 Wins 2026 Mexico Technology Award for Advancing 3D AXI Inspection Technology

PENANG, MALAYSIA – October 2026 – ViTrox, which aims to be the World's Most Trusted Technology Company, announces that its Smart 3D AXI System – V810Ai QX1 received a 2026 Mexico Technology Award in the Inspection Equipment - X-ray category. The award was presented during a ceremony held before SMTA Guadalajara 2026 on Wednesday, October 7, 2026, in Guadalajara, Jalisco, Mexico.



On 7th October 2026, ViTrox Technologies' Senior Director of Research and Development, Mr. Lee Sung Way (second from right), and Business Development Director for the Mexico Region, Mr. Carlos Ponce (second from left), proudly celebrated the achievement alongside the Chairman of MexicoEMS, Mr. Ron Friedman (center), our sales channel partner, SMTa Engineering's Managing Director, Mr. Alejandro Olivar (right), and Account Manager, Mr. Juan Carlos Santoyo (left).

The Mexico Technology Award recognizes the V810Ai QX1's ability to address the increasingly demanding inspection requirements of today's electronics manufacturing environment. The system has also demonstrated strong industry adoption and production-line performance, with more than 200 units successfully deployed in a single year by major global AI-server manufacturers.

Designed for the inspection of complex assemblies and advanced packages, the V810Ai QX1 combines AI-powered defect analysis with high-resolution 3D X-ray imaging and ViTrox's proprietary 3DCT software(VCT). Its resolution range of 2 μm to 30 μm , including capabilities down to 2 μm , enables detailed examination of miniature features and internal structures. Proprietary SmartTone per-pixel compensation further enhances image quality, while geometric VCT produces volumetric models that can reveal features obscured by components such as metal stiffeners and thermal heat sinks.

The platform's AI-driven inspection capabilities help automate several challenging verification tasks. AI Auto Buy-Off (AI VVTS) automates defect verification, while AI Void Inspection provides precise void segmentation against complex greyscale backgrounds and shading gradients.

The V810Ai QX1 also addresses the throughput demands of high-volume production. Its High-Speed (HS) configuration can achieve image acquisition speeds of up to 1.1 seconds per Field of View (FOV), providing up to a 3x throughput improvement compared to V810Ai QX1 High-Resolution (HR) configuration. A tomography angle of up to 50° improves depth resolution, while real-time laser profiling and autofocus technologies compensate for board warpage and help reduce out-of-focus errors when inspecting warped PCBAs, such as AI-server boards.

For applications involving sensitive advanced packaging, the system incorporates a proprietary hardware collimator with filter caps that can reduce X-ray radiation exposure by up to 90%. This capability helps protect delicate stacked-die architectures, including High Bandwidth Memory (HBM), while maintaining the detailed imaging required for inspection. The V810Ai QX1 supports a broad range of applications from SMT production to advanced packaging, including Flip Chip and System-in-Package (SiP) assemblies.

"We are honored to receive this recognition and extend our sincere thanks to the judges. This award is a testament to our strategic investment in AI-driven technologies and advanced inspection platforms. By integrating proprietary features and AI-powered inspection into our Smart 3D AXI systems, we are dedicated to providing the smart manufacturing solutions that improve quality and operational intelligence, effectively supporting the evolving and complex requirements of global electronics manufacturers." — Mr Lee Sung Way, Research and Development, Senior Director at ViTrox Technologies.

The Mexico Technology Awards recognize the most recent technological innovations in Mexico's manufacturing landscape, spotlighting achievements by OEM manufacturing equipment and materials suppliers over the past year. For more information about the awards, please visit www.mexicoems.com/mta-awards.

For more information about ViTrox's intelligent vision inspection solutions, please contact enquiry@vitrox.com or visit www.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.