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ViTrox Americas Expands and Upgrades Its ViTrox Demo Center (VDC)

HUTTO, TX – April 2025 – ViTrox Americas Inc. is proud to announce a significant update to its ViTrox Demo Center (VDC) in Hutto, Texas. The upgraded VDC now features the latest ViTrox inspection technologies, software solutions, and advanced automation tools to support real-world testing, application engineering, and hands-on customer experiences.



The enhanced Demo Center now showcases ViTrox's newest Smart Inspection Solutions, including the VisionXpert XS/XC Series. The XC Series delivers state-of-the-art smart camera inspection capabilities, while the XS Series offers high-speed smart code reading and barcode scanning (1D/2D), enabling rapid, reliable traceability in demanding manufacturing environments.

A major highlight of the update is the addition of ViTrox's new generation 3D AOI solutions. The V510i 3D SEMI AOI, with 8µm resolution, supports mirrored and reflective surface inspection as well as 0201mm/008004 micro component inspection. Also added is the V510i 3D MicroAOI, offering ultra-high 2.25µm resolution for wire bond and die inspection applications. These systems provide unmatched accuracy for microelectronics and semiconductor-level assemblies.

To support top and bottom side inspection requirements, the V510i DST delivers comprehensive dual-side 3D AOI capability. Meanwhile, the V510R integrates inline robotics for 3D side imaging, high-volume conformal coating inspection, and thickness measurement, extending ViTrox's automated visual inspection leadership.

On the ARV (Advanced Robotic Vision) front, ViTrox introduces the V9i XL, a large-format platform (840mm x 620mm) ideal for post-selective/wave solder inspection, conformal coating inspection, and final/box build assembly verification. Complementing this is the V97i, which features an integrated flip-per conveyor for efficient double-sided PCB inspection after soldering and during final assembly stages.

These additions build on a strong existing foundation that includes the V310i 3D SPI, V510i 3D SMT AOI, V810i S2 EX AXI, and V9i ARV for final and coating inspection. Together, they form a comprehensive line-up supporting end-to-end quality assurance across SMT, semiconductor, and box build applications.

In addition to hardware, the VDC has also upgraded its software solutions at the demo center to provide users with powerful analytics and offline programming capabilities. The new lineup includes the VVTS Online Review Solution, V-One SPC & Utilization Software, V-Library Program & Recipe Solution, and V-OLP Offline Programming Solution, enhancing traceability, yield optimization, and process efficiency.

"With this expansion, the ViTrox Demo Center now represents one of the most advanced inspection technology hubs in the region," said Sy Creed, Business Development Director, ViTrox Americas. "It gives customers firsthand access to our newest solutions, expert application support, and real-time demonstrations designed to address their unique production challenges."

Customers, partners, and industry professionals are encouraged to schedule visits or virtual tours to experience the expanded capabilities of the VDC and explore how ViTrox's intelligent inspection systems can elevate their operations.

For more information about, visit www.vitrox.com.

About ViTrox Americas

ViTrox Americas is a leading provider of automated vision inspection solutions, specializing in advanced 3D SPI, AOI, AXI, and final assembly inspection systems. ViTrox delivers cutting-edge technology to meet the evolving needs of the electronics manufacturing industry.