

Press Release

Viscom Inc. to Showcase Advanced X-ray Systems and Exciting AOI solutions, with new AI & Software Innovations at IPC APEX Expo 2025

Hanover, Germany, February 18, 2025 – At IPC APEX Expo Viscom Inc. will showcase its latest innovations in high-resolution inspection technology. From March 18th - 20th, 2025, at Booth No. 2820, in Anaheim, California, visitors will have the opportunity to explore Viscom's innovative X-ray and AOI inspection solutions designed to meet the growing demands of precision-driven electronics manufacturing.

iX7059 PCB Inspection XL: Advanced 3D X-ray Inspection for Complex Assemblies

At the forefront of Viscom's showcase is the iX7059 PCB Inspection XL, an advanced X-ray inspection system with high-resolution. Engineered for large and intricate assemblies, it delivers exceptional defect detection, making it an ideal solution for high-mix and high-reliability production environments. Equipped with powerful microfocus X-ray technology, dynamic 3D image acquisition methods and seamless handling, it ensures optimal throughput. The extended longboard option further enhances its capability, making it a perfect fit for inspecting large PCB assemblies. This solution is ideal for server boards, LEDs, semiconductors and 5G electronics.

Versatile X-ray Inspection with the X8011-III

The X8011-III Viscom system combines 2D and CT 3D X-ray imaging, offering unparalleled precision across a broad range of applications. Known for its flexibility and image clarity, this system is designed to support manufacturers in detecting even the most subtle defects in complex electronic components. With an intuitive and innovative interface, the system supports both manual and automated inspection – whether for components, assemblies in production, quality assurance or development. Its advanced capabilities contribute to cost optimization, process stability, and enhanced product quality.

Innovative AOI/SPI Solutions – the iS6052 Series

In addition, with Viscom's iS6052 series visitors can look forward to new cost-effective 3D inline inspection systems, meeting demanding cycle time requirements and offering ideal system configuration with respect to costs without compromising on inspection speed. Viscom's iS6052 series introduces another level of automatic optical inspection, integrating advanced 3D imaging for superior defect detection. Designed to support high-speed production while maintaining stringent quality standards, this platform is tailored for today's dynamic manufacturing landscapes.

Pioneering Software and AI Developments

Attendees of the IPC APEX Expo can also discover Viscom's smart AI solutions vAI, including AI-based verification, AI-supported image processing and inspection program generation. They can also discover the latest vVision 4.2 software. These innovations enhance image processing, accelerate verification workflows, and maximize inspection performance overall. Visitors can also explore Viscom's vSPC DataVision – an advanced Statistical Process Control tool designed for real-time performance analysis and continuous process optimization.

Viscom's Comprehensive Inspection Solutions for Evolving Industries:

Beyond these flagship systems, Viscom will highlight a diverse portfolio of inspection solutions for: 3D Solder Paste Inspection (SPI), Conformal Coating Inspection, Wire Bond Inspection and Battery Cell and Energy Storage applications.

Each solution delivers exceptional defect detection and high-resolution imaging, ensuring production reliability and process optimization across a variety of industries. Whether manufacturers require AOI, X-ray, or hybrid inspection systems, Viscom continues to set the standard in inspection excellence.

Join Viscom Inc. at IPC APEX Expo 2025 to experience the latest inspection technologies shaping the future of electronics manufacturing. Visit Booth No. 2820 to explore solutions that redefine industry standards.



Viscom's Inline X-ray system iX7059 for unbeatable image quality and inspection speed



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About Viscom

Founded in 1984, Viscom SE is one of the leading suppliers worldwide in the field of assembly inspection within electronics production. With its headquarters and production site in Hanover, Germany, the company develops, produces and sells high-quality inspection systems from the areas of AOI, SPI, AXI, MXI, wire bond inspection as well as conformal coating inspection. The systems developed and manufactured in Hanover set high standards in terms of accuracy and speed. The product range covers the complete spectrum of optical inspection and X-ray inspection for small and medium-sized companies as well as for large series production. Viscom systems are used for 100% automatic inspection of electronic assemblies such as those used in the production of automotive electronics, aerospace technology or in the manufacture of telecommunications electronics.

Product development also focuses on customer-specific system developments and networking with other production processes for smart factory applications. In order to achieve this, Viscom SE increasingly invests in its own software and hardware development which is constantly defining new standards in inspection technology.

International sales are handled by a broad network of its own subsidiaries, application centers, service centers and representatives. A service team of in-house technicians and application specialists commission Viscom systems worldwide, offering maintenance, conversion and modernization from a single source. In addition, system-specific training courses are offered for customers' operators, programmers and maintenance personnel. Experienced engineers and technicians from the application and service departments share their expert knowledge with participants.

Viscom SE has been listed on the Frankfurt Stock Exchange since 2006 (ISIN: DE0007846867).

About Exacom

Exacom GmbH develops X-ray metrology systems for high-quality and cost-effective inline inspection of battery cells. The company has a wide expertise in defect detection and process optimization from research and development to mass production. The advanced solutions cover a wide range of cell formats, including coin, cylindrical, pouch and prismatic cells. Exacom is part of the strong German group Viscom SE.