

Press Release

Advanced Quality Control from Viscom at NEPCON Asia 2023 in Shenzhen

Hanover, Germany, September 29, 2023 – Printed circuit board assemblies (PCBAs) and integrated circuits (ICs) are the focus of NEPCON Asia, which will be held October 11–13, 2023, in Shenzhen, China's southern hub of electronics innovation. Germany's Viscom AG will be represented by a select Asian team and four of its many advanced inspection systems: S3088 ultra chrome for 3D SPI, S3088 ultra chrome as a 3D AOI configuration, iX7059 PCB Inspection XL from Viscom's large 3D AXI portfolio, and the X8011-III 3D MXI system.

Viscom inspection systems can be integrated into location-independent, networked processes and provide new quality-relevant insights through the use of artificial intelligence and a variety of customized algorithms. All of this can be explored in detail at the Shenzhen World Exhibition & Convention Center (Baoan New Hall) at the Viscom booth No. 5D20. Solder paste inspection with an orthogonal optical resolution of 10 µm/pixel and a height resolution of 0.1 µm/pixel is combined with four angular views to deliver perfect, shadow-free inspection results. Automatic post-reflow optical inspection with the S3088 ultra chrome system even offers nine perspectives, true-to-life spatial renderings, and exceptionally high throughput in large production areas.

For inline X-ray, customers can choose from a well-designed Viscom product family, depending on their individual inspection needs. Whether for PCBAs with a length of up to 1600 mm or heavy assembled objects weighing up to 40 kg – the iX7059 series offers suitable configurations. For special tasks such as the inspection of IGBT modules with their ICs for power electronics applications, a 180 kV X-ray tube is available as a component. Different layers of the inspection object can be analyzed with highest precision.

Where speed is far less important than particularly brilliant resolution of X-ray results, the 3D-MXI Viscom System X8011-III comes into play. The thorough analysis of prototypes, the inspection of product complaints or the quality control of small batches are three of many examples of intelligent and effective use of its technological capabilities. Automatic reports and networked comparisons of the X8011-III's X-ray images with inline results from other machines round out this special offering.



S3088 ultra chrome 3D-AOI and 3D-SPI systems impress with their outstanding inline performance



The iX7059 product family is designed for different manufacturing areas where 3D AXI is needed



With the 3D-MXI system X8011-III, very detailed X-ray results can be achieved

About Viscom

Founded in 1984, Viscom AG 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 AG 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 AG has been listed on the Frankfurt Stock Exchange since 2006 (ISIN: DE0007846867).