

Press Release

Viscom Presents Latest 3D AOI System and Smart Networked AI Solutions at SMTconnect

Hanover, Germany, March 24, 2023 – At SMTconnect in Nuremberg, Germany, Viscom AG will showcase the successor of the almost legendary S3088 ultra gold, the iS6059 PCB Inspection Plus. Its new and faster sensor technology, data processing and analysis functions all stand for the best 3D AOI performance that meets the highest requirements in industrial use. The latest AI-supported software applications and technical advancements in X-ray inspection will also be presented to visitors "hands-on" at the booth.

Viscom's product portfolio is growing and offers a very wide variety of powerful systems for different production stages and inspection requirements – especially for quality control in modern electronics manufacturing. Automatically monitored operational stability, location-independent networked condition monitoring, cloud-based solutions, the integration of manufacturer-independent interfaces and targeted use of artificial intelligence are just as much a part of this as ensuring audit-proof repeat accuracies or ever higher resolutions while maintaining low cycle times. At booth 4A, 120, Viscom will provide detailed information on the latest trends in various areas of its in-house inspection technologies from May 9 to 11, 2023.

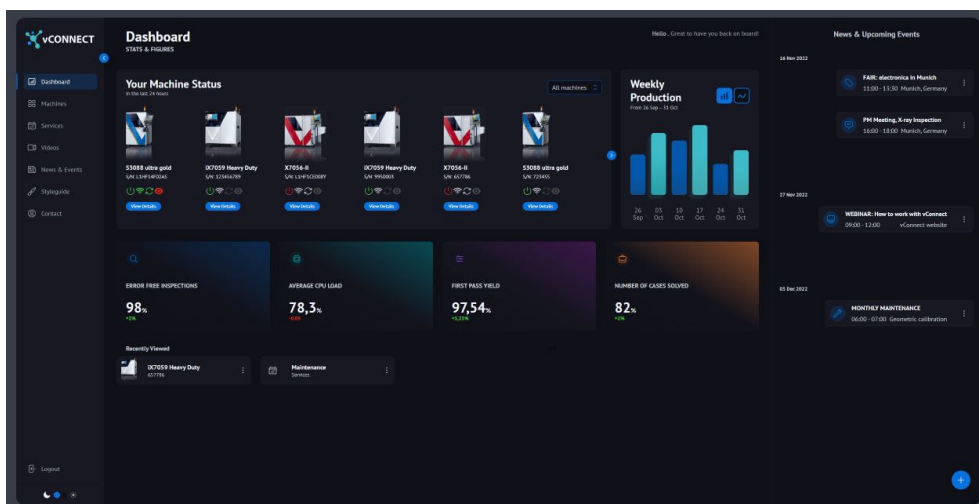
If, for example, electronic components need to be inspected for presence as quickly as possible or the heights on an assembly need to be measured precisely, the existing 3D methods of automatic optical inspection (3D AOI) are the recognized industry standard. Complementing the above two features, reliable 3D solder joint inspection also plays a significant role – all distinguished by impressive reliability with systems such as the new iS6059 PCB Inspection Plus from Viscom. Featuring nine views in first-class resolution and with 26% more pixels, variable illumination, larger angular field

of view sizes at the same resolution, further increases in data transfer rates combined with 25% faster image capture and extensive networking options – it provides a solid basis for unbeatable line-integrated performance. The iS6059 PCB Inspection Plus offers advanced inspection methods for fully automated verification of whether the solder joint of even the smallest electronic component is normal or too thin – no matter if cycle times are short. Another 3D AOI system at the Viscom booth is the S3088 ultra chrome, which is successfully used worldwide today – giving it a role akin to company "work horse". It will be presented in combination with state-of-the-art handling and smart verification – which now additionally offers new forms of assistance with artificial intelligence.

AI is currently a major topic at Viscom. It is also used when it comes to measuring voids in solder joints as part of an X-ray inspection and excluding defects due to individual factors. Viscom systems such as the iX7059 PCB Inspection XL shown at SMTconnect detect these and other hidden defect types. Viscom offers high-performance 3D inline X-ray for a very wide range of products – be they flat assemblies up to 1600 mm long or compact, solid objects weighing up to 40 kg. Thanks to its tremendous international success, the X7056-II combined 3D AXI / 3D AOI will also be showcased. Special features of manual and semi-automatic X-raying will be demonstrated on the X8011-III 3D MXI system. Inspection solutions specifically for power electronics requirements will be presented by Viscom at booth 6-114 at the neighboring PCIM Europe, which is taking place in parallel.



New Viscom 3D AOI system iS6059 PCB Inspection Plus



Performance control and workflow optimization with Viscom's vConnect software

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, and 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).