

## Press Release

### **New 3D Solder Paste Inspection with Cutting-Edge Camera Technology from Viscom**

*Hanover, Germany February 19, 2021* – **Viscom's new S3088 ultra chrome system is a 3D SPI solution with cutting-edge camera technology. Developed in-house, the new 3D camera technology is designed to deliver the best performance with respect to optical resolution, inspection speed and inspection quality. The compact system design also offers optimized handling to achieve maximum throughputs for single and dual-track operation. Networking the 3D SPI system with the other process stages in SMD manufacturing makes it possible to automatically correct process fluctuations, further enhancing product quality.**

The 3D SPI S3088 ultra chrome with integrated verification inspect all quality criteria for printed pads, including volume, surface, height, offset, paste bridges and paste smearing – for solder and sinter paste. Viscom's successful high-end XM camera technology for 3D AOI has now been optimized for 3D SPI. Four angled camera views deliver precise, shadow-free measuring results for 3D solder paste inspection. The XM camera technology enables more precise error detection at a high inspection speed. The orthogonal resolution is 10 µm, which further enhances the inspection of very small areas such as solder paste for 01005 components as well as gaps. The inspection speed is 90 cm<sup>2</sup>/s with a field of view size of 58.2 mm x 58.2 mm. Thanks to optimized external handling, the time it takes to switch assemblies can be reduced to as little as 2.5 seconds for standard-sized PCBs.

The 3D SPI can be networked with AOI and AXI via Viscom Quality Uplink and also networked with paste printers and pick-and-place machines from a wide range of manufacturers via closed loop. Viscom creates all standard interfaces for this purpose. When the S3088 ultra chrome system indicates

that there are deviations in the paste print, these can be automatically transferred via a printer-specific closed loop function, e.g. for adjusting the screen cleaning cycles or by correcting print displacement or placement offset. Effective process analysis, quality optimization, and therefore sustainable process monitoring are also made possible via communication with a Viscom AOI, AXI or MXI – and the best first pass yield results can be achieved. With this new development, Viscom offers a more powerful 3D SPI system at an attractive price-performance ratio.



*Viscom's new S3088 ultra chrome is a 3D SPI inspection system featuring new 3D camera technology with four angled views for the best measurement results.*

*(Photo: Viscom AG)*

### **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 and MXI bond inspection as well as as well as conformal coating inspection. The systems from 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).