Press Release

New X8068 SL X-ray system for larger electronic assemblies, with automatic loading

Hanover, October 2017 – productronica 2017, Hall A2, Stand No. 177 – **At this year's productronica trade fair, Viscom AG will unveil a new design for versatile in-line X-ray inspection, which has now entered initial production. The development of the X8068 SL inspection system was based on the requirements of electronics manufacturers that produce in-line larger printed circuit boards, various power electronics and massive components, especially for the growing mobility market. This production demands a highly precise, nondestructive X-ray inspection that inspects an entire bandwidth of inspection objects quickly and reliably.**

The X8068 SL features impressive versatility: Conceived for seamless integration into in-line production, the inspection objects are automatically fed in and out of the X-ray inspection system from the side within the shortest cycle times. This involves transfer via an external conveyor system. The multitude of ways to handle samples results from five axes, enabling serial inspection of highly assembled, larger and massive parts without any problems.

In order to cover the largest possible inspection area, the detector axis can be swiveled in the system. With its additional large front window, the new X8068 SL also permits manual loading for special inspection tasks, such as prototype inspection or random sample analysis. Overall, with the new X8068 SL X-ray system, Viscom offers a universal, highly flexible solution for multifaceted and comprehensive inspection requirements. Converting from in-line transport to the manual inspection option takes less than 15 minutes.

Standard features on the system include an open Viscom microfocus X-ray tube and a flat screen image detector, to deliver the highest resolution and

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detail recognition in first-class image quality. Thanks to a maximum geometric magnification of 2500x, even the tiniest defective structures are detected during the X-ray inspection. The Viscom X-ray tube permits genuine real-time inspection and scores points with a longer service life, meaning very low operating costs.

The user-friendly IPS monitor depicts the X-ray results in the best quality, independent of viewing angle. Comprehensive automatic analysis functions greatly streamline system operation, so that any object is inspected – manually, semi-automatically or automatically – with high speed and precision. With the X8068 SL, Viscom offers a unique inspection scope: In addition to the Viscom SI software for fully automatic X-ray analysis of electronic assemblies, the system also provides the XMC software for manual and semi-automatic special inspections or inspection of special components as a second inspection concept.

Customers in the electronics sector also profit from the Viscom Quality Uplink that yields information from which optimization approaches for production control can be derived. The Quality Uplink merges the data from the solder paste inspection, AOI and X-ray system to realize simplified classification and clear identification of real defects. This means production success can be consistently increased, and thanks to the Viscom statistical process control (vSPC), traceably recorded.

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Caption: The new X8068 SL for manual inspection and line integration for fully automatic X-ray inspection

About Viscom
Viscom AG develops, manufactures and sells high-quality inspection systems. The portfolio encompasses the complete bandwidth of optical and X-ray inspections. In the area of assembly inspection for electronics manufacturing, the company is among the leading suppliers worldwide. Viscom systems can be configured specifically to the customer and can be interlinked. The company headquarters and manufacturing location is in Hanover, Germany. With a wide network of branches, applications centers, service support points and representatives, Viscom is represented internationally. Founded in 1984, Viscom has been listed on the Frankfurt Stock Exchange (ISIN: DE0007846867) since 2006. For additional information, visit www.viscom.com.

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