Press Release

In-line inspection of LED lights up to 2000 mm with very high accuracy

Hanover, September 2018 – **For extra-long electronic assemblies, Viscom offers inspection solutions that realize demanding handling tasks without a problem. Their high inspection accuracy, wide inspection scope and rapid inspection speed predestine the 3D AOI and 3D SPI systems from Viscom for high-end electronics – particularly for LED lights.**

Specially designed for long printed circuit boards, thus for LED lights as well, Viscom offers the long board option for inspection objects with lengths up to 2000 mm. The S3088 SPI for solder paste inspection (3D SPI) and automatic optical systems S3088 *ultra* and S3088 *ultra gold* (3D AOI) are distinguished by very high measurement accuracy, speed and reliability in the intelligently networked quality inspection of electronic assemblies.

In addition to solder paste and solder joints, the systems with up to nine high-power cameras and true-to-life, three-dimensional image representation also measure the slightest component tilting, for example. An exact positioning down to a few micrometers is decisive for LEDs in the automotive sector, where LEDs find use in headlights, taillights and other applications. With the optical inspection, even the smallest scratches on LEDs are reliably detected.

Without the long board option, the standard 3D AOI and 3D SPI systems from Viscom permit the fully automatic inspection of printed circuit board lengths up to 508 mm in one piece. While its especially high throughput at inspection speeds up to 65 cm^2/s and an expansive field of view of 50 mm by 50 mm make the S3088 *ultra gold* high-end configuration a standout during benchmarks, the S3088 *ultra* has also established itself as the ideal solution for very individualized additional requirements. These systems can inspect assemblies up to 660 mm long without add-on modules. Here, the

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inspection process takes place in two partial sections, which are merged as a total result on the verification station.

If the boards to be inspected are still longer, the inspection systems can be equipped and synchronized with optional external transport modules. In this case, Viscom offers three solution packages, specifically for inspection objects up to lengths of 1000 mm, 1500 mm and 2000 mm. The inspection can run in up to five partial sections; here too, the final results are digitally merged.

Caption:
The 3D AOI system S3088 *ultra* with optional transport modules for handling long boards up to 2000 mm long

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 specific 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: https://www.viscom.de/

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