

Press Release

Precise quality inspection directly at-line – VisioCablePro® introduces improved measuring device for the cable industry.



Fig 1: Cable measuring device AlphaOne with an optional All-In-One PC. (Source: iiM GmbH)

Suhl, Germany, March 25, 2026 – Time, connectivity, and short distances are decisive factors in modern cable production. Continuously optimizing these aspects presents manufacturers with new challenges time and again. The improved automatic wall thickness and geometry measuring device AlphaOne from VisioCablePro® complements the proven cable measurement system VCPX5 and offers a cost-effective alternative without compromising measurement quality.

Compared to the VCPX5, the AlphaOne features a single field of view depending on the respective outer diameter range. The underlying concept is both simple and practical: in cable plants, different extrusion lines produce various intermediate products such as cores or jackets. The diameter range of these products usually remains constant. This is exactly where AlphaOne comes into play: it is installed directly on individual production lines and enables measurements directly at the point of production.

Samples can therefore be checked directly on-site without employees having to visit a central measurement station. This saves time, reduces movement within the production area, and enables faster responses to process deviations. Thanks to its compact and space-saving design, multiple devices can be flexibly installed at different production lines within a plant.

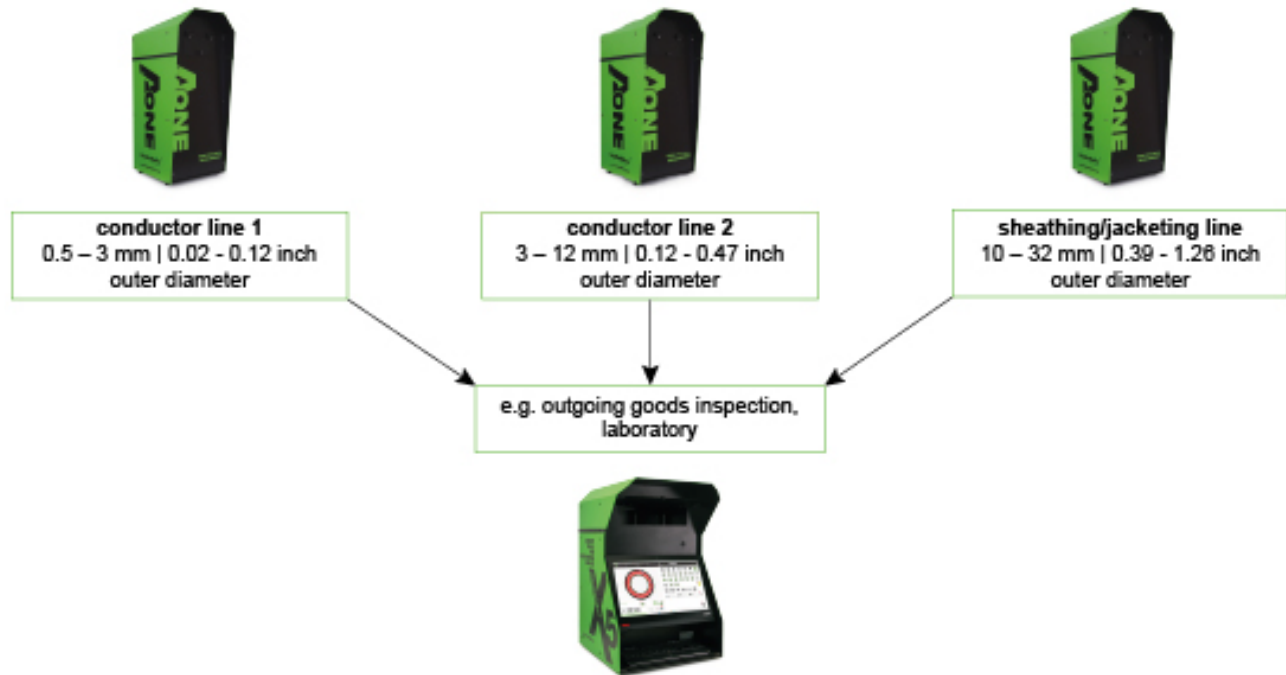


Fig. 2: Application example within a cable plant. (Source: iiM GmbH)

Like all VisioCablePro® products, the new version of AlphaOne consistently complies with international standards such as IEC 60811 and the automotive standard LV112. In combination with the powerful VELOX measurement software, the system meets all requirements of modern quality inspection.

In addition to hardware improvements, the VELOX software has also been comprehensively optimized. The combination of AlphaOne and VELOX provides users with a future-proof solution for precise measurements with minimal operating effort and reduced user influence.

A key feature of the VisioCablePro® technology, now also available in the AlphaOne, is the intelligent light control via VELOX. The software automatically adjusts the illumination and selects the optimal lighting conditions to produce an ideal inspection image and enable precise optical measurement. This allows even complex, multi-layered, or low-contrast samples to be measured reliably. In combination with the automatic focusing function, operation is significantly simplified, while operator influence and potential sources of error are reduced to a minimum.

Additional Advantages of AlphaOne at a Glance

Maximum flexibility:

Depending on requirements, multiple configuration variants are available, covering cable sample diameters of up to 200 mm. This allows the system to be optimally adapted to the specific requirements of the respective production line.

Simplified operation and remote maintenance:

The absence of physical switches ensures intuitive operation and minimizes user errors. At the same time, remote maintenance of key components such as light control and image acquisition enables fast support without requiring a technician on site.

Modular system configuration:

Available as standard without a PC and optionally expandable with an all-in-one PC ideal for different application requirements.

With the improved AlphaOne, VisioCablePro® expands its portfolio with a more powerful and compact measurement solution specifically designed for decentralized use in production. Cable manufacturers, cable assemblers, and industrial cable users benefit from efficient quality assurance directly at the production line.

In combination with the cutting devices specially developed by VisioCablePro® for sample preparation, AlphaOne enables fast and precise quality control directly in production and supports users in monitoring and optimizing processes just in time.

Visit us at **wire & Tube Düsseldorf, Hall 9, Booth C49**. Feel free to bring your own cable samples and test our technologies directly on site.

For more information about **VisioCablePro®**, please visit:

www.VisioCablePro.com

About iiM GmbH

iiM GmbH, founded in 1998 and based in Suhl, Germany, is a leading developer and manufacturer of machine vision LED lighting and optical measurement engineering systems. The company specializes in creating advanced solutions for quality control, inspection, and automation across various industries. iiM is known for its innovative approach and commitment to delivering high-performance products that meet the evolving needs of its customers. For more information, visit www.iim-ag.com.

About Exaktera

Exaktera is a portfolio company of Union Park focused on manufacturing critical illumination solutions for OEMs where lighting is essential for defining performance and ensuring mission-critical operations. Exaktera's premium brands deliver high-quality solutions for machine vision and precision measurement applications across a wide range of industries for industrial automation and improvement in efficiency, productivity, and safety. For more information, visit www.exaktera.com.