

Press Release

VELOX sets new standards in cable measurement technology: automation and intuitive visualisation transform quality assurance.



Fig 1: Cable measuring software VELOX. (Source: iiM GmbH)

Suhl, Germany, March 25, 2026 – With the latest version of its powerful cable measurement software VELOX, VisioCablePro® introduces a groundbreaking upgrade that takes efficiency, precision, and usability in cable testing to a new level. As the core of the measurement systems, VELOX provides customers with a decisive advantage in the quality assurance of a wide range of cable products.

Automatic illumination selection: Maximum precision with minimal operator effort

One of the key innovations is the fully automated selection of optimal lighting conditions. Through seamless coordination between the software and measurement devices (VCPX5, AlphaOne, and compatible legacy systems), VELOX independently identifies the requirements of the selected measurement geometry and applies the appropriate illumination without any operator intervention.

Whether incident light, transmitted light, or specific configurations, the software automatically ensures ideal measurement conditions. When combined with the VisioCablePro® database, the

entire measurement process can be reduced to a single click. The operator only needs to load the sample. This minimizes operator influence while ensuring highly reproducible and reliable results.

Direct In-Image visualisation: Greater clarity, less effort

Another highlight is the new in-image visualisation of wall thickness measurements. Critical parameters, such as minimum wall thickness, are displayed directly as overlays within the measurement image. Users benefit from immediate and intuitive interpretation of results without switching between images and data tables.

Intelligent positioning algorithms ensure optimal readability even for complex, multi-layer samples. Display options can be flexibly configured or fully deactivated as needed. Predefined measurement values can also be displayed automatically, eliminating manual selection steps and further accelerating workflows.

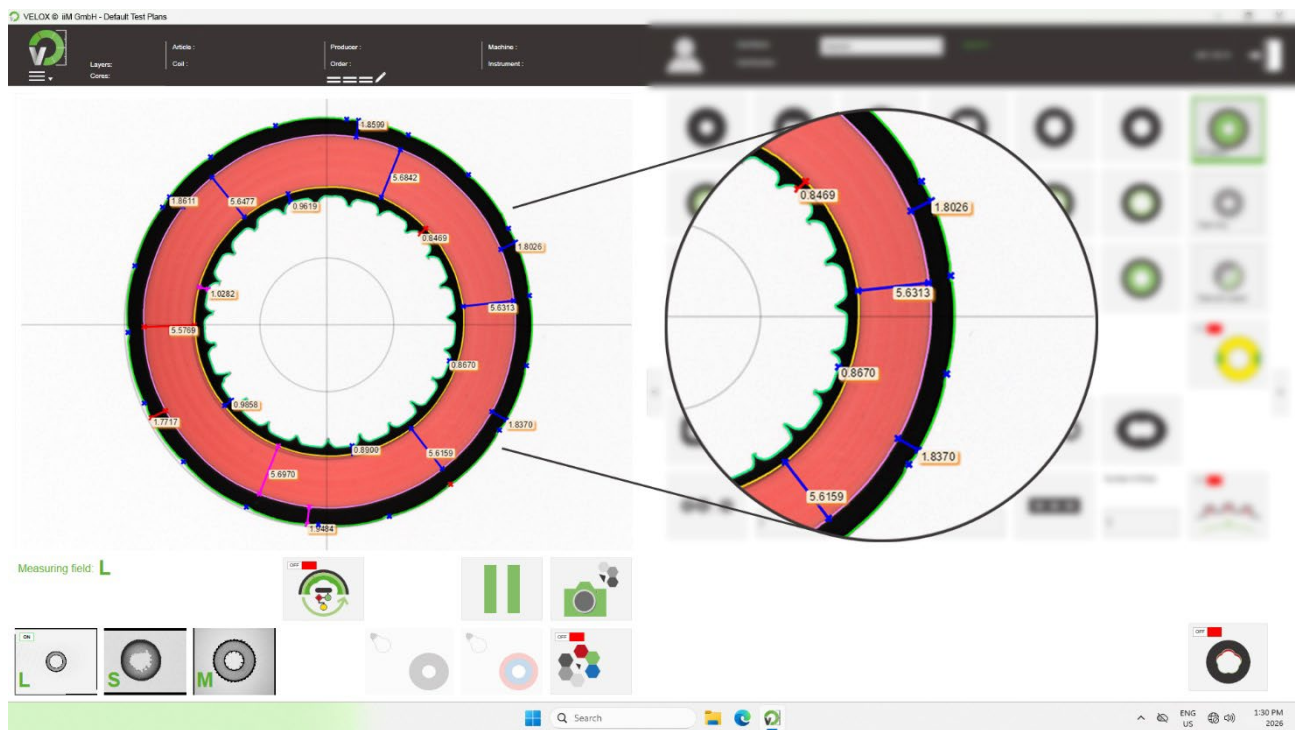


Fig. 2: New VELOX feature – in-image visualisation of wall thickness measurements (Source: iiM GmbH)

Efficiency gains across a wide range of applications

The new VELOX features are particularly beneficial for cable manufacturers with extrusion lines, quality assurance departments, incoming goods inspection, institutes, utilities, and hose and pipe manufacturers.

By combining automation, intuitive operation, and intelligent data integration, VELOX significantly reduces time and material consumption while sustainably optimizing entire testing processes.

Key benefits at a glance:

- Fully automatic illumination selection without operator intervention
- One-click measurements through database integration
- Minimal operator influence and maximum process reliability
- Direct visualisation of critical measurement values within the image
- Intuitive operation and significantly simplified workflows
- Time and material savings through optimized processes
- High flexibility with configurable display options
- Consistent documentation through integrated reporting functions

With these innovations, VELOX once again reinforces its position as a powerful and future-proof software solution for modern cable measurement technology.

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.