ABB L&W Tearing Tester adds full automation and digital connectivity for safer, faster strength measurement

Newest paper lab testing instrument offers more streamlined and user-friendly operation across grades with accurate, repeatable results

ABB has today launched its market-leading L&W Tearing Tester with enhancements to ease operator use and safe handling, expand on tearing resistance testing capabilities and improve digital connectivity.

Paper mills already recognize the instrument for safely and accurately measuring tearing resistance on all paper grades and its unique automation, digitalization and safety features. Tearing resistance is a crucial determinant of product toughness and machine runnability and can help mills characterize pulp to determine if refining and reinforcement fibers are optimized.

ABB’s L&W Tearing Tester, which uses a pendulum to further tear a pre-cut sample, helps mills achieve tearing strength results faster with automatic clamping and notch cutting of the sample piece as well as automatic pendulum release, catch and retraction. Plus, testing for different grades is now faster than ever with interchangeable weights for the instrument’s one pendulum.

Lab technicians will benefit from a user-friendly touchscreen and more ergonomic-friendly operation. They will also be better protected with the two-hand operation requirement, avoiding contact with moving parts and the blade, and a unique pendulum safety guard that minimizes the risk of injury without interrupting the pendulum swing or slowing the test.

The instrument interfaces with ABB’s L&W Lab Management System, a web-based automated data acquisition and lab reporting solution that helps halve lab procedure times. With its capability to connect to ABB Ability™ Manufacturing Execution System for pulp and paper, manufacturers gain visibility of data across the mill and the entire enterprise to ensure consistent product quality.

“All mills aim for the best possible product toughness and machine runnability, and yet many struggle with measurement challenges – such as reliability or repeatability – associated with ageing equipment that could affect improvement opportunities,” said Per Sandstrom, Head of Lab and Process Testing Measurements for ABB Pulp & Paper.

“The new ABB L&W Tearing Tester is the only instrument on the market that combines the best modern automation, digitalization and safety advancements to deliver accurate and repeatable tearing strength results to help expedite quality and machine optimization.”

As the worldwide market leader for paper testing technical support, with local service organizations in all markets, ABB provides a comprehensive support network for the L&W Tearing Tester using L&W-specific calibration devices that are regularly certified with traceable calibration from global certification institutes.

ABB is a trusted partner and leading supplier to the pulp and paper industry, offering deep expertise and a comprehensive portfolio of integrated digital solutions, automation and electrification systems, industry-focused products and comprehensive services to help our customers optimize all phases of the papermaking process. We are committed to serving packaging, paper, tissue and pulp producers to help drive availability, performance, cost and quality improvements. Active worldwide, ABB has over 1,000 pulp and paper professionals who serve customers in over 50 countries. www.abb.com/pulpendpaper

ABB (ABBN: SIX Swiss Ex) is a leading global technology company that energizes the transformation of society and industry to achieve a more productive, sustainable future. By connecting software to its electrification, robotics, automation and motion portfolio, ABB pushes the boundaries of technology to drive performance to new levels. With a history of excellence stretching back more than 130 years, ABB’s success is driven by about 110,000 talented employees in over 100 countries. www.abb.com

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