
ZURICH, SWITZERLAND, JULY 10, 2017

Press Release

ABB launches image-based online system for monitoring fiber properties to help control pulp mixture quality

- L&W Fiber Online expands ABB's offering for pulp measurements to help improve quality and reduce costs for paper producers
- Compared with other traditional indirect measurements, L&W Fiber Online provides paper makers with complete information on fiber properties, refining effect and fiber mix, to help them monitor and control pulp quality

ABB has launched L&W Fiber Online – a reliable, repeatable and cost-effective online system for measuring, monitoring and controlling significant fiber quality variables in paper stock preparation and pulp production. This helps pulp and paper customers to save production costs by optimizing fiber usage, as well as reducing energy consumption through elimination of over-refining, and to improve quality by generating uniform pulp furnish for the paper, board or tissue machine.

Compared with traditional indirect measurements such as Canadian Standard Freeness (CSF) and Schopper-Riegler (SR), the measurements based on fiber images provided by L&W Fiber Online provide a more detailed and accurate information on the status of pulp quality. Fiber properties are categorized and presented as mean values and statistical distributions of width, length, shape factor, two classes of fines (P and S) and macro fibrillation.

L&W Fiber Online mitigates the problem of detecting late in the production process quality issues caused by fiber variations. By discovering variations earlier in the process, and as early as in stock preparation, it becomes feasible to take corrective actions in time to produce paper, board or tissue that meets the specifications. This system is based on ABB's well-known L&W Fiber Tester Plus, a laboratory instrument which is used by hundreds of papermakers to track their pulp quality, and is a preferred tool by research centers and universities around the world. The system also allows for multiple sampling points with a single instrument, reducing initial investment and ongoing maintenance costs. For mixed furnishes, the optional Blend software analyzes the ratio of reference fiber species in a fiber mix, making it possible to save raw materials when switching grades or during start-up.

"We can now offer a robust unit that tells the complete story of the fibers in real time, which gives our customers an easy way to pinpoint and follow trends on furnish quality, and at the same time help them to reduce variations in stock preparation or pulp production, as well as saving energy" says Anna Schärman, Global Product Manager, ABB Pulp & Paper products.

About ABB

ABB (ABBN: SIX Swiss Ex) is a pioneering technology leader in electrification products, robotics and motion, industrial automation and power grids, serving customers in utilities, industry and transport & infrastructure globally. Continuing more than a 125-year history of innovation, ABB today is writing the future of industrial digitalization and driving the Energy and Fourth Industrial Revolutions. ABB operates in more than 100 countries with about 132,000 employees. www.abb.com



L&W Fiber Online for advanced analysis of fiber quality and fiber dimensions – measures fiber properties such as width, length, shape factor, two classes of fines (P and S) and macro fibrillation.

For more information, please contact:

Gunvor Latva
Marketing Communications,
Pulp & Paper Solutions
ABB AB/Lorentzen & Wettre
Phone: +46 8 477 90 00
gunvor.latva@se.abb.com