HELSINKI, FINLAND, APRIL 25, 2022

ABB expands KPM portfolio to include long-distance, single calibration break detection for all grades and colors

• ABB’s new KB2 Ranger Model delivers unique, long-distance break detection from the side of the paper web providing continuous, trouble-free operation

• Latest KPM detection device includes innovative RGB break profile method to reduce false positives

• Simple, one-button calibration removes the need for complicated, grade-specific settings

ABB is launching their new KPM KB2 Ranger Model, a sheet break detection device that is invulnerable to paper jams, color and grade changes for the highest uptime with the lowest required maintenance.

As the latest addition to ABB’s industry-leading KPM Sheet Break Detector portfolio, this non-contact optical sensor will prove particularly important for paper or board producers making frequent grade changes or colored papers. The single, one-button calibration removes the need for complicated, grade-specific settings, while the RGB break profiling method reduces false positives and automatically updates for more robust detection over time.

The KPM KB2 Ranger model offers a longer measurement distance – up to 1.5 meters – and side installation to keep the sensor head outside the machine. It can provide reliable break detection in all configurations, such as against felt, wire or cylinders, and its freely adjustable sensor head is able to detect breaks from any angle. This removes the possibility of paper getting stuck on the sensor head, enabling higher reliability and accuracy across all paper and board grades, regardless of color.

While the sensor head can withstand high temperatures, the electronics unit is mounted outside the machine hood using fiber optic cables, preventing the electronics from being affected by dirt, steam or temperature and maintaining high reliability even in a high humidity environment.

Unlike comparable solutions that require in-machine installation, ABB’s KPM KB2 Ranger model augments the current offering to deliver higher uptime and reduced unplanned downtime. It requires minimal, if any, maintenance and cleaning due to its air-purged sensor that keeps the unit clean for continuous and trouble-free operation.

“Our KPM Sheet Break Detector is recognized as the best on the market and the proven choice for installations in harsh environments or where space is limited,” said Karin Hermansson, Product Line Manager, ABB. “We are pleased to unveil the new KB2 Ranger Model to offer additional options for mills facing frequent grade changes or color-related issues, while proving our commitment to continual innovation surrounding mill optimization solutions.”
KB2 is applicable globally across paper, tissue, board and pulp machines, and can be used on press or drying sections.

**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 105,000 talented employees in over 100 countries. www.abb.com

**ABB’s Process Automation** business is a leader in automation, electrification and digitalization for the process and hybrid industries. We serve our customers with a broad portfolio of products, systems, and end-to-end solutions, including our #1 distributed control system, software, and lifecycle services, industry-specific products as well as measurement and analytics, marine and turbocharging offerings. As the global #2 in the market, we build on our deep domain expertise, diverse team and global footprint, and are dedicated to helping our customers increase competitiveness, improve their return on investment and run safe, smart, and sustainable operations. go.abb/processautomation

---

For more information please contact:

**Media Relations**

Chris Brand
Phone: +44 (0) 7523919978
Email: chris.g.brand@gb.abb.com

**ABB Ltd**
Affolternstrasse 44
8050 Zurich
Switzerland

---