ABB launches Paper Quality Performance and becomes first to offer online, time-based variability analysis

New digital service solution tracks changing trends in paper variability to improve quality and runnability while reducing losses

Paper Quality Performance, a new digital service that identifies, tracks and analyzes current and changing trends in paper variability, has been released by ABB. It will enable optimization of quality properties measured by Quality Control Systems (QCS) during all operational conditions.

By reducing the variability, papermakers will be able to keep process parameters closer to targets, resulting in lower raw material and energy requirements while still meeting specifications.

ABB Paper Quality Performance is the only solution on the market to offer continuous, time-based variability analysis in addition to online reel-based variability analysis and control utilization monitoring. This helps maintain QCS-measured quality targets more consistently and proactively than any other solution and empowers customers with data that is curated, calculated and analyzed in a way previously not possible. Until now, operators typically only had access to quality reports output by QCS systems, commonly known as reel-based variability, which show the overall average variability in a reel of paper.

This solution helps mills to optimize online-measured paper properties through fast, precise controls made possible by in-depth diagnostics, comprehensive performance monitoring of key paper quality related KPIs, expert-based recommendations, proactive improvement actions and predictive notifications.

“Our new solution will be particularly beneficial to mills that may not have the resource, ability or expertise for such detailed variability analysis. Customers will benefit from access to our paper variability experts who can support implementation actions, either remotely or onsite, including control optimization and detailed process analytics,” said John Schroeder, Global Product Manager, Pulp & Paper, ABB. “By reducing the amount of off-spec paper and production rejects, and improving sheet break and start-up recovery times, it enables superior runnability which can have a positive impact on a mill’s overall profitability.”

The new ABB Ability™ Performance Service for paper mills, delivered via Collaborative Operations service delivery model, provides unparalleled accuracy and enables both proactive and predictive action to be taken for improved runnability. It leverages ABB’s automation and domain know-how to develop an intuitive dashboard with informative alerts, alarms and suspend actions, enabling operators to identify recommendations faster.
ABB Paper Quality Performance is part of a comprehensive and integrated solution set, backed by end-to-end quality control expertise, enabling optimization opportunities on a larger scale. Its modular ability enables a low barrier entry and easy, cost-effective expansion for other digital solutions, proving the ideal stepping stone in a mill’s transformation.

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

Process Automation: 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.

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