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BW Converting showcases Baldwin EPIC System at The Battery Show South 2025

Transforming advanced battery production with groundbreaking in-line cleaning technology



BW Converting's Baldwin EPIC System is the world's first fully automated in-line cleaner for advanced battery production.

GREEN BAY, Wis. — April 1, 2025 — [BW Converting](#) is set to demonstrate its industry-defining [Electrode Press Industrial Cleaning \(EPIC\) System](#) at The Battery Show South, taking place April 16-17, at the Georgia World Congress Center in Atlanta. This event provides an opportunity for advanced battery manufacturers to witness firsthand how BW Converting's innovative technology enhances productivity, improves safety and ensures superior battery foil quality.

The EPIC System, under BW Converting's Baldwin Technology brand, is the world's first fully automated in-line cleaner designed for advanced battery production. By eliminating manual cleaning requirements, the Baldwin EPIC System drastically reduces downtime, enhances efficiency and improves workplace safety.

The system streamlines the electrode calendering process by delivering precision cleaning at high process temperatures — up to 150°C (302°F) — without requiring production stoppages. This breakthrough automation removes contaminants from calender rollers in just two to four minutes, a drastic improvement over traditional cleaning methods, which can take up to 45 minutes for anodes and multiple hours for cathodes.

Key benefits of the EPIC System include:

- Continuous production: No need for cooling or stopping the line for manual cleaning.
- Unmatched surface cleanliness: Optimized cleaning enhances electrode foil quality, reducing defects and improving energy efficiency in battery cells.
- Superior safety: Eliminates manual handling of hazardous chemicals and hot rollers, ensuring a safer work environment.
- Fully customizable operations: Operators can adjust wash cycles, detergent dosage and other parameters via a digital touchscreen control panel.
- Easy integration and retrofit capabilities: The EPIC System can be installed on new or existing calendering equipment, with retrofits requiring minimal downtime.

BW Converting's commitment to innovation and automation places battery manufacturers at the forefront of industry advancements. The EPIC System, which has already been successfully deployed at multiple production sites, is delivering measurable benefits in efficiency and quality for large-scale gigafactories worldwide.

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“The demand for cleaner, more efficient and higher-quality battery production is growing exponentially,” said Dennis Behnisch, Product Line Leader at BW Converting. “With the EPIC System, we’re not just improving manufacturing processes, we’re setting a new standard for automation and safety in battery cell production.”

Attendees of The Battery Show South can visit BW Converting’s booth 1435 to see the EPIC System in action and learn how it can revolutionize their battery production process. BW Converting’s team of experts will be available to discuss customized solutions and answer questions.

To learn more about BW Converting’s expanded capabilities or to explore Baldwin advanced process-improvement technologies, visit bwconverting.com.

ABOUT BW CONVERTING

From paper to plastic, ink to textile, products to packaging, BW Converting changes things for the better. We innovate, design, manufacture and service precision machinery that unlocks manufacturing opportunities in tissue, hygiene, print, packaging, mailing, textiles and other high-performance industrial applications. By unifying our product brands — Paper Converting Machine Company (PCMC), Winkler + Dünnebier (W+D), Baldwin Technology Co., Hudson-Sharp, STAX Technologies and Northern Engraving and Machine — under one global organization as part of the \$3.6 billion Barry-Wehmiller organization, we help maximize global industry potential today and tomorrow. To learn more, go to bwconverting.com.

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