

The EPIC™ System

The world's first in-line, edge-to-edge cleaner
for Advanced Battery production.

BALDWIN
®

Breakthrough automation and performance

The Baldwin **Electrode Press Industrial Cleaning (EPIC) System** from BW Converting enables outstanding cleaning performance in calender processes for anode as well as cathode foil production at their individual process temperatures up to 300°F / 150°C.

The EPIC system offers unmatched surface cleanliness for superior battery film quality without interrupting your production for cleaning access or surface cooling.

The EPIC System delivers peak productivity and 100% automation to your calendering lines.



Superior, surface cleaning
For anode and cathode production
At temperatures up to 300°F / 150°C



Increased production time
No interrupting production for cooling and cleaning



Safer, healthier environment
Fully-automatic, in-line, edge-to-edge cleaning
No hot surface, turning roller, or chemical cleaning hazards

Safe, effective cleaning
Look at the debris captured by our Baldwin EPIC System



Innovative and patented detergents – applied with high precision

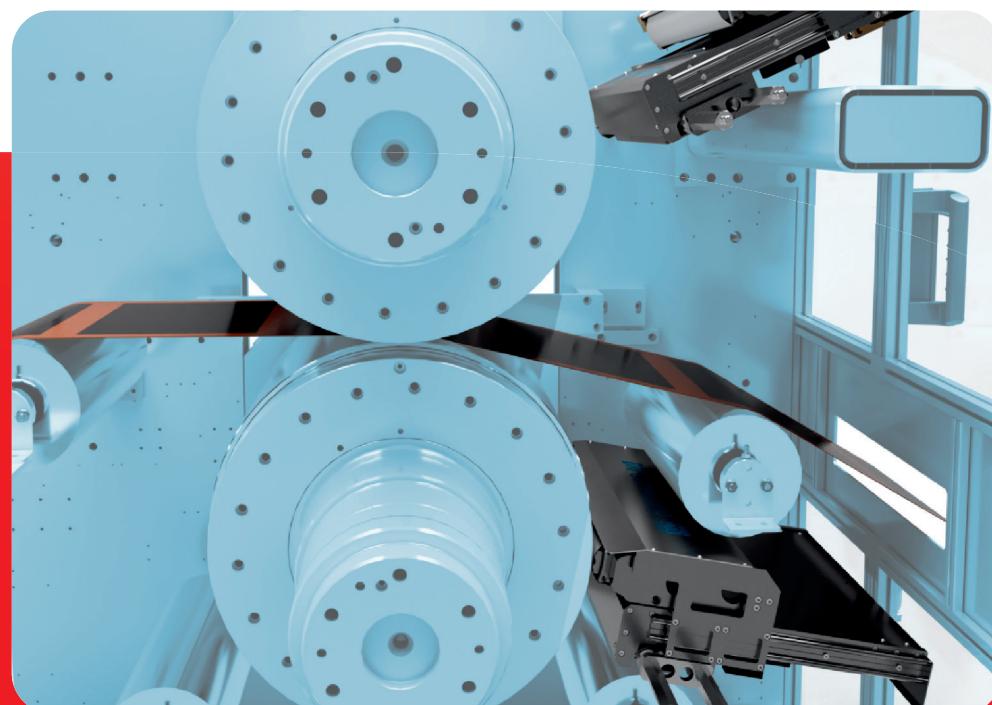
Our cleaning detergent is automatically dosed and evenly distributed with high precision into the cloth, without any mist or drop formation.

Our special patented liquid solvents eliminate all production residues with a single wipe, even at the highest process temperatures, leaving zero streaks or steam formation.



Robust and durable design

For a long-lasting service life and maximized return on your investment



High-precision dosage of liquid solvents

Patented formulas eliminate residue without mist or drop formation for zero streaks or steam

Customized cleaning

Digital touch-screen control panel allows limitless customizations of the cleaning process, adjustable to your requirements, such as wash cycle frequency, duration, and detergent and water dosage

A safe and healthy working environment

The EPIC System introduces a healthy working environment for your staff. With full-cleaning automation, your calendering line is finally free of safety risks that may occur during manual cleaning.

Your operators can now avoid contact with turning rollers, touching hot surfaces, and using hazardous chemicals to clean.

Cleaning cloth that treats mirror polished rollers with care

The EPIC system removes traces and deposits from the calender surface that naturally build up during the electrode pressing process. Our unique long-lasting and lint-free microfilament cleaning cloth, the Baldwin EPIC Web or EPIC Knit, absorbs the dirt and fluids from your mirror polished calender surface without the risk of scratching it – ensuring continuous production with consistent and unmatched battery film quality.

Features

Individually adjustable cleaning sequences

Adjustable detergent/solvent dosage

Cleaning widths up to 3.000 mm (10 ft)

Touch-screen control panel

Simple stand-alone interface

Serial interfaces on request

Easy one-touch operation

Consumables package of special microfibre cloth and solvent

Benefits

Minimized downtime

Increased productivity

Reduced waste

Enhanced film quality

Improved safety – no manual interactions

Cleaning during operation

No calender restart

No film webbing-up

Fast job or material change

No scratching of cylinder

Low cloth consumption

Very low maintenance

Options

Customizations for applications and cylinders

Transport rails for easy positioning of cleaning head and easy service access

Serial interface or signal exchange integration in HMI

Several solvent and cloth types available: EPIC Web, EPIC Knit, EPIC Liquid Cathode, EPIC Liquid Anode



Ask us how the EPIC System
can improve EV battery production.

