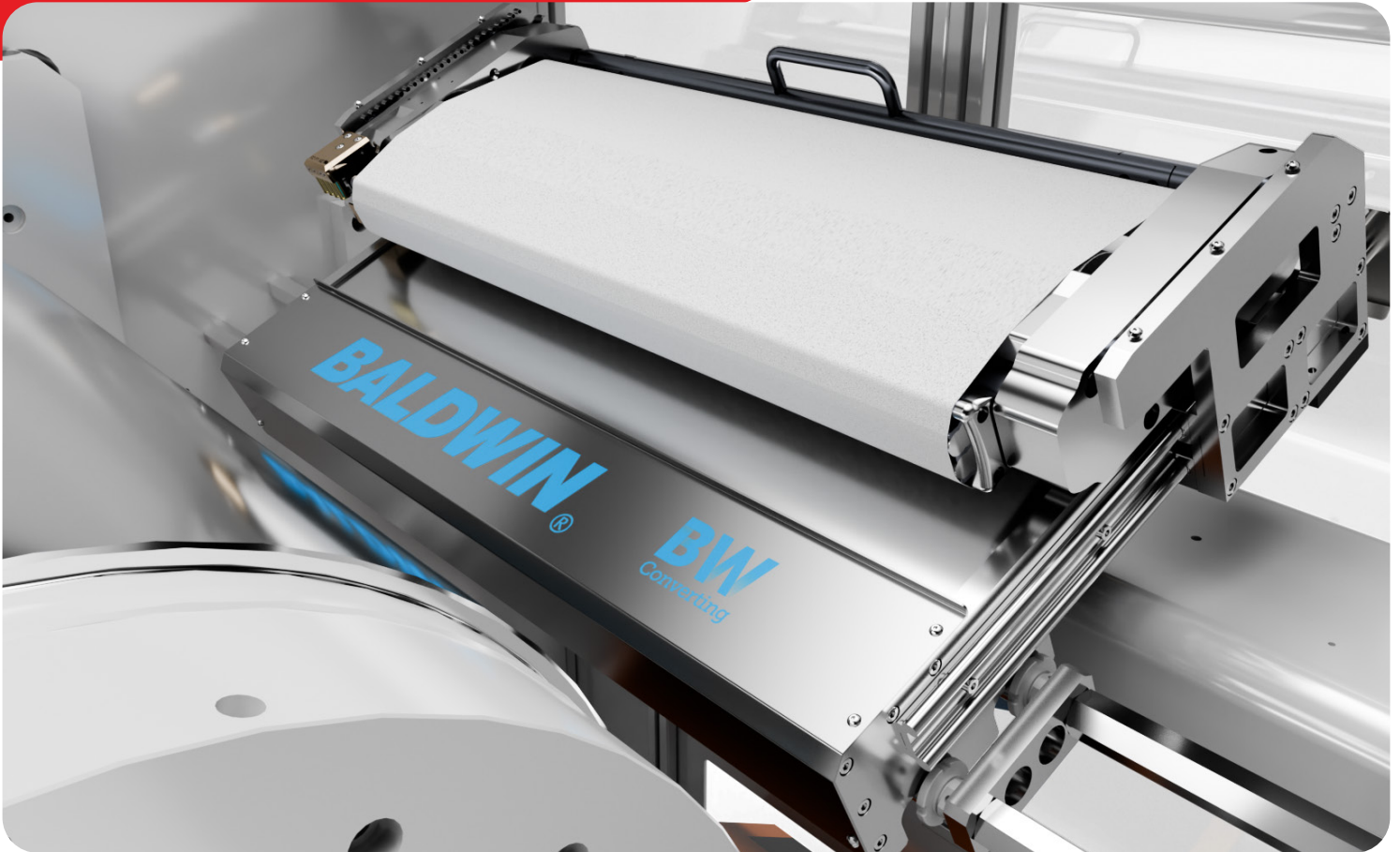


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The EPIC System

The world's only in-line cleaner for
Advanced Battery production.

BALDWIN®

bwconverting.com

Breakthrough Automation and Performance

The Electrode Press Industrial Cleaning (EPIC) System by Baldwin enables outstanding cleaning performance in calender processes for anode as well as cathode foil production at their individual process temperatures and up to 150°C.

Trust on unmatched surface cleanliness for superior battery film quality and forget about interrupting your production for cleaning access or surface cooling. The EPIC System delivers peak productivity and 100% automation to your calendering lines.

A safe and healthy working environment

With full cleaning automation, your calendering line is finally free of safety risks that may occur during manual cleaning on turning rollers, touching hot surfaces or using hazardous chemicals. The EPIC System introduces a healthy working environment for your staff.

Cleaning cloth that treats mirror polished rollers with care

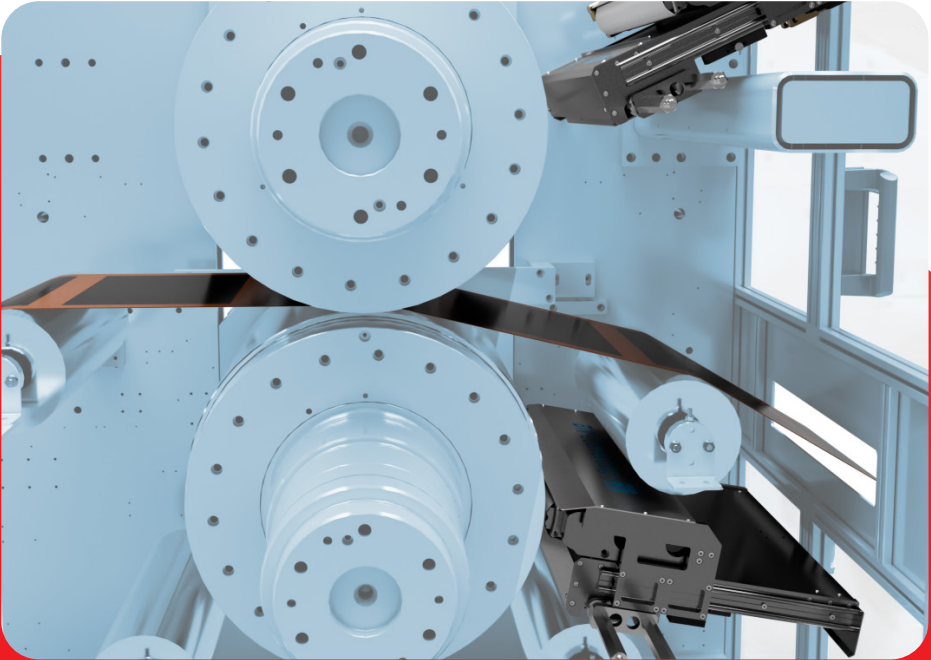
The cleaning system removes traces and deposits from the calender surface that naturally build up during the electrode pressing process. A special long-lasting and lint-free microfilament cleaning cloth, the Baldwin EPIC Web or EPIC Knit, absorbs the dirt and fluids from your mirror polished calender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

Robust and durable design
For a long lasting service life and maximized return on your investment

Baldwin EPIC Web or Knit
Effective cleaning and cylinder surface protection

Touch-screen control panel
Allows for easy operation and adjustments

High precision dosage of Baldwin EPIC Liquids
No mist or drop formation



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 formula – the EPIC Liquid Cathode (solvent) eliminates all residues of cathode production with a single wipe, even at the highest process temperatures, leaving zero streaks or steam formation.

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

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 calendar 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

Baldwin – Always at your service

Baldwin has a large number of highly skilled Service engineers ready to support your installation for years to come, and always close at hand. With vast production expertise of over 40 years, Baldwin offers planning, 3D design and equipment installation at your production site. You can rely on Baldwin service expertise to maximize the lifetime of your equipment with outstanding results.

