

BW Converting

barrywehmiller
bw
betterworld

Change for the better



Fusion Series

Central impression presses where technology,
reliability, and performance merge
for the ultimate in competitive printing

Designed for competitive printing

CI presses designed to give you a competitive advantage

With unmatched print quality, speed, and efficiency, BW Converting's PCMC Fusion Series of central impression presses helps you meet the demands of today's packaging market:

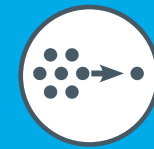
- Fast changeovers
- Precision printing
- Less waste
- High-impact graphics that brands demand

The series, which includes the PCMC Fusion CX, Fusion Flex and Fusion Board, is designed to handle a wide range of substrates, making it suitable for various industries including flexible packaging, paper, and folding carton.

“ Supports shorter runs with faster changeovers, which is key in today's world of customization and versioning.



True Print Plus™ option



Auto register and pressure option using advanced microdot technology



Complex PDF-based workflow not required



Real-time feedback from the camera to the press

Ergonomic print deck access for plate and anilox sleeve exchanges.



Operator safe and friendly

- Automatic web threading and splicing
- Intuitive, easy-to-learn HMI
- Job specification storage and recall
- Supports low VOC inks to reduce exposure to harmful chemicals
- Climate-controlled electrical utility room
- Quiet drying with no confined-space requirements



Reduces waste

- Better registration and alignment means less start-up waste
- Automation features and presetting minimize waste during changeovers and set-up
- Smaller footprint compared to inline presses helps maximize floorspace
- Supports water-based and UV inks for sustainable printing practices



Smart and connected

- Provides real-time monitoring
- Proactive maintenance recommendations
- Remote machine support

Designed to perform

Our Fusion presses are loaded with value-added features

Get sharper, more vibrant prints

- Registration of +/- 0.002 inches (0.05 mm)
- **Steady-Print™** anti-bounce technology
- Force-loaded doctor chambers with largest wet gap to address starvation and ghosting

Quality control

- State-of-the-art control system with fully integrated HMI for full command over print quality and registration
- Registration camera
- 100% inspection camera
- **TruePrint Plus™** option for hands-free, automatic pressure and registration setting

Automation and efficiency

- Self-contained, programmable inking and washing system
- Wash any or all print decks at the same time
- Hands-free, fully-automatic cleaning cycles
- Automated drum cleaner to reduce downtime
- Long-lasting, disposable cleaning media is self-wetting and self-indexing

Award-winning Flextreme™ drying

- Less energy and 50% less supply/exhaust air required compared to other systems
- 400 °F maximum temperature with low temp options for sensitive films

Designed for you

A smart investment

Value that impacts your bottom line

- Faster changeovers mean you can take more jobs or meet tighter deadlines
- Reliable and precise to boost productivity and print consistency
- Integrates seamlessly into automated workflows, allowing greater efficiency and flexibility in production planning
- Scale up your production without compromising on quality

Compare models

	FUSION CX	FUSION FLEX	FUSION BOARD
Web Widths	42 / 52 inch 1066 / 1320 mm	52 / 59 / 66 inch 1320 / 1498 / 1676 mm	52 / 59 / 66 inch 1320 / 1498 / 1676 mm
Maximum Print Repeat	30 inch 762 mm	36 - 45 inch 914-1140 mm	36 - 45 inch 914-1140 mm
Speed	1300 and 1500 fpm 396 and 457 mpm	1500 and 2000 fpm 457 and 609 mpm	1500 and 2000 fpm 457 and 609 mpm
Colors	8 or 10		
Substrates	Film, Foil, Paper	Film, Foil, Paper, Tube	Board, Foam, Foil
Inks	Solvent, Water, UV, EB		

Options

Also available for your Fusion press:

- Additional HMI's
- Integrated viscosity and pH control
- Ink chilling, solvent saver, and dual solvent manifolds options
- Automatic splice and transfer options
- Low temperature options for sensitive films
- Carbon fiber doctor chambers and plate mandrels
- Press lifts
- Roll-handling carts, doctor chamber wash-up/storage carts
- Laser roll cleaners for anilox rolls and sleeves



Accelerate™ support

Accelerate is BW Converting's advanced software platform designed for comprehensive remote monitoring and optimization of industrial equipment and processes.

- Seamlessly integrates with PCMC CI presses
- Provides real-time monitoring and proactive maintenance recommendations

This i4.0 approach minimizes downtime, maximizes performance, and delivers actionable insights, ultimately driving significant cost savings and operational efficiency.

Markets served



- Flexible packaging
- Folding carton
- Lid stock
- Wide-web

