

BW Converting

barrywehmiller
bw
betterworld

Change for the better



NEW! option
for automated
cell volume
measurement

Meridian Elite+

Fastest, smartest, safest laser roll cleaner
that quickly deep cleans anilox and gravure rolls.



Paper Converting
Machine Company

Built for speed, safety, and ease of use



Patented laser technology

Deep cleans rolls quickly and safely

The Meridian Elite+ features a patented rotating scanner and single laser design to deep clean engravings of any line screen and volume removing most inks, adhesives, glazes, varnishes, stiffeners, and coatings. It's our sixth generation of proven roll cleaning technology.

- Cleans anilox and gravure rolls with or without journals
- Rotating scanner eliminates hot spots
- Heavy-duty (HD) models available

Ergonomic and eco-friendly

The Meridian Elite+ keeps your workforce and your rolls safe.

- Offers third party-certified, internal dual-stage filtration with a traversing vacuum system
- Easy-access filter on front of cleaner
- Easy-open retracting access door
- If laser components fail, laser shuts off to prevent damaging the roll
- Cleans rolls without water, chemicals or compressed air



Cleans without water = lower operating costs and less mess



Cleans without chemicals = lower operating costs and safer environment



Cleans without compressed air = lower operating costs and less energy consumption

Fastest cleaner on the market

Adding multiple lasers is unnecessary for quick, effective cleaning. Our single laser design offers:

- 50% faster cleaning than earlier models
- Up to 100% faster cleaning than some competitors
- Ability to clean multiple rolls at the same time



Fast access to clean rolls

Cleans a 52"/1320 mm roll with a 6"/152 mm diameter in < 14 minutes.

Smart investment

The Meridian Elite+ offers fast access to fully-clean rolls resulting in quicker and better color match on press. It is a durable, reliable, easy-to-use machine that offers low operating costs and eco-friendly features.

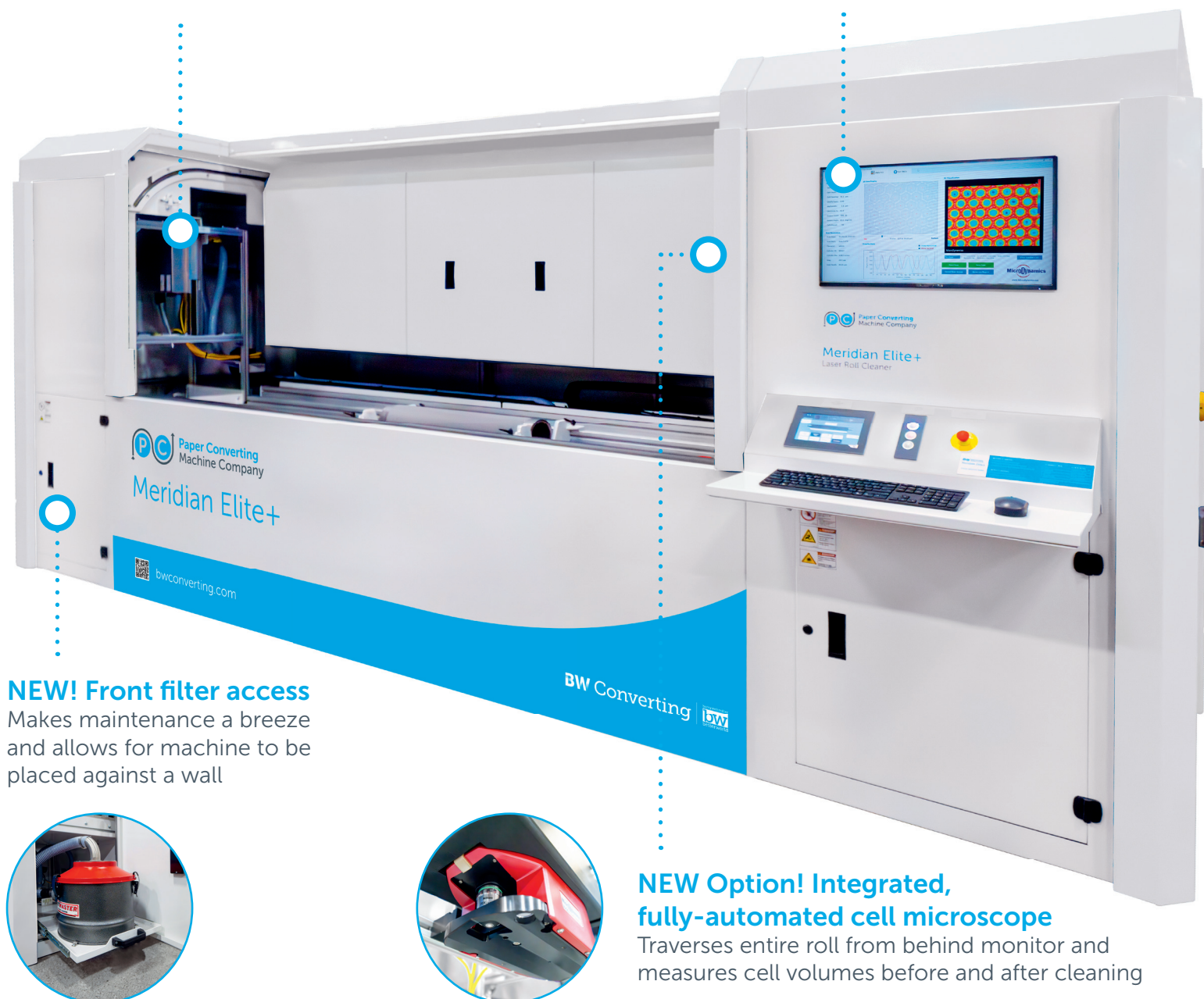
- Robust mechanical design
- Heavy-duty models handle roll weights up to 1500 lbs/680 kgs
- Industrial PLC controls
- Designed for reduced energy consumption
- Only requires electrical
- Designed, built, and serviced by BW Converting - no third parties

NEW! Top mounted laser

Allows for larger roll diameters and reduces contamination

Camera and viewing monitor

Allows visibility to cleaning process without stopping the machine



NEW! Front filter access

Makes maintenance a breeze and allows for machine to be placed against a wall



NEW Option! Integrated, fully-automated cell microscope

Traverses entire roll from behind monitor and measures cell volumes before and after cleaning



Operator-friendly

The Meridian Elite+ is packed with features that make it easy-to-learn and easy-to-use.

- Access roll info via serial number or optional barcode/Rfid scanner
- Automatic roll diameter sensing
- Fully-automatic cleaning cycles
- Highly-reliable with minimal maintenance
- Alerts operator to change filter bag
- Periodically wipe laser lens
- Toolless end guides for quick and easy adjustments and roll swapping

Intelligent connectivity

Minimize downtime with a variety of connected features made possible through our Accelerate™ i4.0 software.

- Enhanced cloud-based roll reporting system
- Integrated cell volume microscope
- Stores roll specifications including line screen, BCM, target cell volumes, and measured cell volumes
- Tracks roll cleaning history and roll health
- Enables predictive maintenance and ensures rolls perform as expected
- Tracks and time stamps cleaning frequency
- Logs cleaning level and time needed to clean
- Generates roll cleaning reports

Compare models

	The Meridian Elite+ Series					
	1200	1700	2500	2500 HD	3000 HD	3700 HD
Max Roll Length	47.2 in 1200 mm	66.9 in 1700 mm	98.4 in 2500 mm	98.4 in 2500 mm	118.1 in 3000 mm	145.7 in 3700 mm
Min Roll Length	2.5 in 63.5 mm	2.5 in 63.5 mm	2.5 in 63.5 mm	5 in 127 mm	5 in 127 mm	5 in 127 mm
Max Roll Diameter	11 in 279.4 mm	11 in 279.4 mm	11 in 279 mm	16 in 406.4 mm	16 in 406.4 mm	16 in 406.4 mm
Max Roll Weight	600 lbs 272 kgs	600 lbs 272 kgs	600 lbs 272 kgs	1500 lbs 680 kgs	1500 lbs 680 kgs	1500 lbs 680 kgs
Machine Length	128.8 in 3272 mm	148.8 in 3772 mm	180 in 3360 mm	TBD	TBD	TBD
Machine Height	84.9 in 2157 mm	84.9 in 2157 mm	84.9 in 2157 mm	TBD	TBD	TBD
Machine Depth	69.3 in 1761 mm	69.3 in 1761 mm	69.3 in 1761 mm	TBD	TBD	TBD
Power Supply	230 Vac +/- 10%, 50/60 Hz, single phase, 35A other options available					



Accelerate™ support

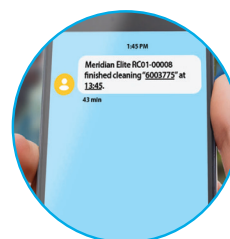
Accelerate is BW Converting's advanced software platform designed for comprehensive remote monitoring and optimization of industrial equipment and processes.

- Seamlessly integrates with PCMC laser roll cleaners
- Provides real-time monitoring and proactive maintenance recommendations

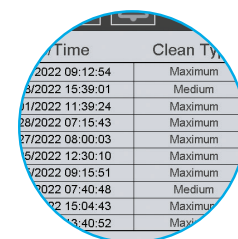
This i4.0 approach minimizes downtime, maximizes performance, and delivers actionable insights, ultimately driving significant cost savings and operational efficiency.



**Remote
trouble-shooting
and support**



**Local and
remote status and
maintenance alerts**



**Cloud-based
roll specs and
history**

Markets served



- Flexographic printing
- Rotogravure printing
- Narrow, mid, and wide-web
- Where inks, adhesives, glazes, varnishes, stiffeners, and coatings are used

