

Falcon - High-performance folio sheeter for paper mills

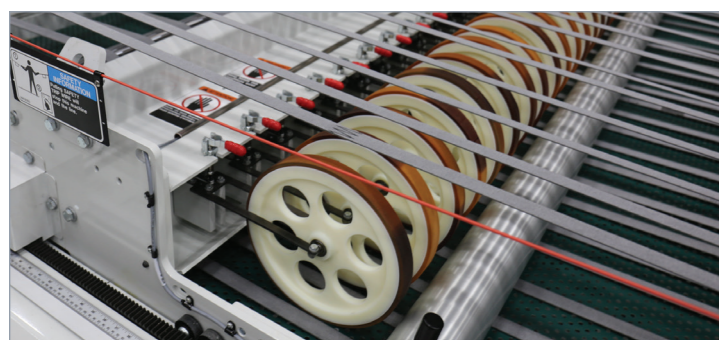


Highly efficient, automated folio sheeter combining the best technologies

The Falcon Sheeter combines legendary technologies from JAG Synchro, E.C.H. Will, Bielomatik and Marquip, providing excellent cut quality, sheet accuracy and stacking excellence. To reflect modern conditions, the Falcon combines flexibility with high productivity and robust design to provide reliable 24 hours mill duty production. Configurable for up to 10 web operation with a range of options for automation for increased efficiency the Falcon is a perfect fit for the modern mill environment - the best technology at a competitive price level!

- World leading knife technology with superior cut quality up to 1000 g/m², subject to material type
- High-speed continuous discharge and zero reject non-stop pallet change
- Machine working web widths up to 2500 mm & production speed up to 350 m/min.
- Paper grammage range up to 250 g/m²
- Fast size changes with automation options
- Automated pallet change with a full range of logistic options
- Automatic single & dual level slitter with in machine set-up
- User-friendly design in operation and maintenance, including diagnostics & on-screen help, MES available
- Heavy duty mill standard

Falcon - High-performance folio sheeter for paper mills



Highest product quality with leading knife technology and non-marking overlapping rollers - the Falcon is the perfect fit for any paper mill.

Falcon - combining renowned technologies

- BW Papersystems combines the renowned sheeting brands and slitting and cross cutting technologies of E.C.H. Will, JAG Synchro, Bielomatik and Marquip
- Best technology at competitive price level
- Largest installed base of folio sheeters in Asia, Europe and worldwide
- Excellent 24/7 worldwide, local service and parts network

Unwinds

A range of unwind types to satisfy most applications

Features include:

- Manual unwinds with auto reel centering
- Optional auto reel loading
- Edge guiding with wide width range sensors
- Reliable splice and tear out detection
- Ability to run 2 narrow reels from the same unwind position
- Range of reel delivery conveyors
- Optional auto regenerative brakes

Decurling

For paper grades, especially coated paper, a deliberate decurling of the web is a prerequisite for the final cut and stack quality.

The Falcon's decurling options include:

- Combined Roll / Edge decurler
- One-side or two-side decurling
- Programmable decurling

Slitter

The Falcon combines established slitting technology from the original brands.

- Single or dual level slitter
- Automatic slitter & trim chute positioning
- Dust removal system (on each head)
- Option: Broke slitter at reject gate

Cross Cutter

The Falcon includes an industry unique cross cutting design:

A dual rotary cross cutter provides highest cut quality up to 1000 g/m², exceptional accuracy and ensures industry lowest power consumption. On-machine blade sharpening saves maintenance time.

- Option: Twin cut technology for high speed digital sheeting

Tape Section & Stacker

An advanced, high-speed overlapping section with JAG SYNCHRO SoftTec overlap wheels for optimum sheet control and minimum marking with single modulated vacuum.

Reliable rejection of splices and tear outs at full speed guarantees minimal production loss.

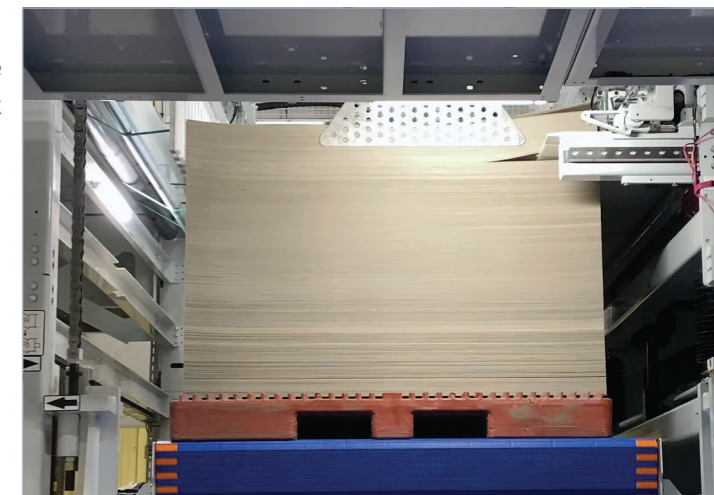
Auto set up vibrator plates and excellent sheet delivery geometry ensure perfect press ready stacks.

Reduced speed zero reject non-stop pallet change is standard. Optional high-speed zero reject non-stop pallet change.

A pallet pusher inserts empty pallets automatically during the pallet change sequence.

Pallets can be positioned to align sheets at the pallet edge or to (optionally) also center the sheets on the pallet.

Empty pallets can be delivered to the pusher point manually or automatically using a pallet magazine (option). Empty pallet feeding and full pallet discharge is available inline or side to side. The discharge conveyors allow integration to mill logistic conveyor systems.



Falcon - Technical Data

Sheet Width	350 mm (min.)	2500 mm (max.)
Sheet Length	400 mm (min.)	1650 mm (max.)
Roll diameter	up to 2,200 mm	
Roll width	450 mm (min.)	2600 mm (max.)
Roll weight (max.)	5000 kg optional: 7000 kg	
Core Diameter	76 mm up to 305 mm	
Working width, net	up to 2,500 mm	
Production speed (max.) as per speed curve	350 m/min.	
Grammage	55 - 250 g/m ²	
Knife load cross cutter (max.)	1000 g/m ² - <i>subject to material type</i>	
Knife load slitter (max.)	750 g/m ² per level	

About BW Papersystems

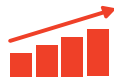
BW Papersystems, part of the Barry-Wehmiller group, builds capital equipment, that converts paper into products used by consumers – every day, all over the world. We offer innovative solutions, service and parts plus long-standing global experience, in the corrugating and finishing; sheeting and packaging; stationery; book-binding and security-documents industries. Customers rely on us for machines to create items such as: corrugated boxes, folding cartons, passports, notebooks, copier paper, and more.

**With 21 offices & 9 manufacturing plants
across the globe, we are at your side.**



Quality OEM Parts

Our parts service coverage: 365 days a year, 24 hours per day, 7 days per week. Parts warehouses are located around the world, ensuring the components necessary for critical production situations, are accessible to you within a matter of hours. In most cases, parts can be on the way to your plant within 24 hours.



Upgrades

As designs and technologies evolve in new machines, often these new technologies can be also incorporated into previously installed machinery. Our TIPs (Technical Improvement Program) offer upgrades to keep quality and capabilities high, and investment low. Our upgrades maximize machine efficiency and reduce maintenance time.



Service Technicians

Our highly dedicated BW Papersystems Service Team is committed to giving the best customer support in the industry. Factory-trained technicians are available for machine installation, emergency service, machinery updates, and regular maintenance. Our experts are located throughout the world for fast response.

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