

Falcon - High-productive folio sheeter for board mills



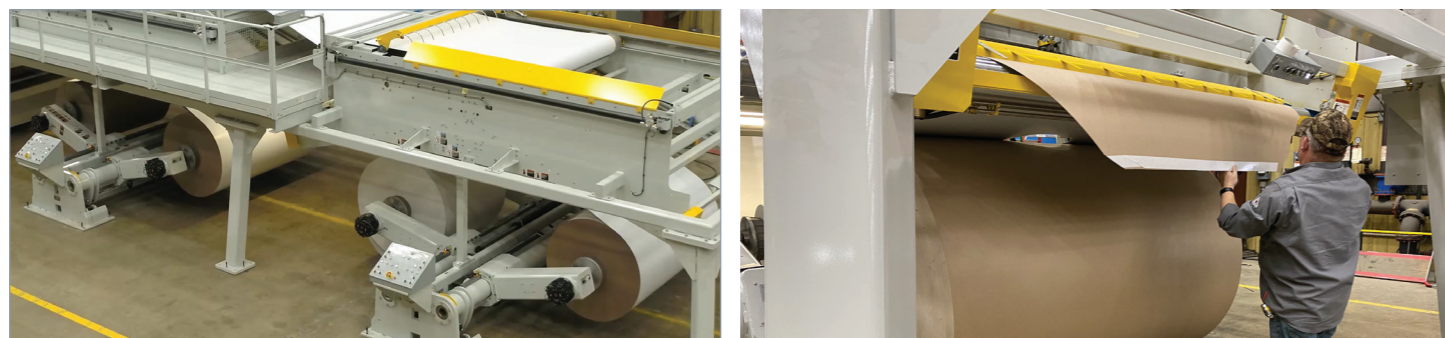
Reliable folio sheeter combining best technologies - offering a multi-web production option

The new Falcon combines proven technologies and know-how from JAG Synchro, E.C.H. Will, Bielomatik and Marquip. This means not only high output, non-marking product quality but also a reliable sheeter with various splicing and automation options. The multi-web operation offers a true output benefit, with no compromise in sheet accuracy or cut quality.

- Multi-web board sheeting capacity
- World leading knife technology with superior cut quality up to 1000 g/m²
- Board qualities ranging from 140 - 1000 g/m² for single web & 140 - 500 g/m² for double web
- 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.
- Fast size changes with automation 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



The new Falcon sheeter



Two-web, non-stop splicing operation - the Falcon sheeter offers the output benefit of multi-web operation, outputting up to 500 tonnes/day.

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

Multi-web board sheeting capability

With an established track record of multi-web sheeting, BW Papersystems offers the huge output benefit of multi-web operation with no sheet accuracy or cut quality penalty. A 2500 mm wide Falcon can produce industry-leading output of up to 500 tonnes/day consistently, running two webs, subject to material type and orders run.

Cut quality when running multi-webs can be proven on unique lab sheeter based in Hamburg, Germany.

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
- Optional auto regenerative brakes

Decurling

Decurling is a critical quality issue to allow high quality high speed print at the printing press. Falcon decurl options include:

- Triple decurler with 3 independently adjusted multiple diameter rollers above and below the web to correct up or down curl
- 3 bar decurler with multipoint engagement via assembly rotation
- Programmable decurling using both bar engagement and tension

Slitter

The Falcon combines established slitting technology from the original brands.

- Single and dual level slitter
- Automatic slitter & trim chute positioning
- Dust removal system (on each head)
- Full width web cleaner post slitter
- 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.

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.

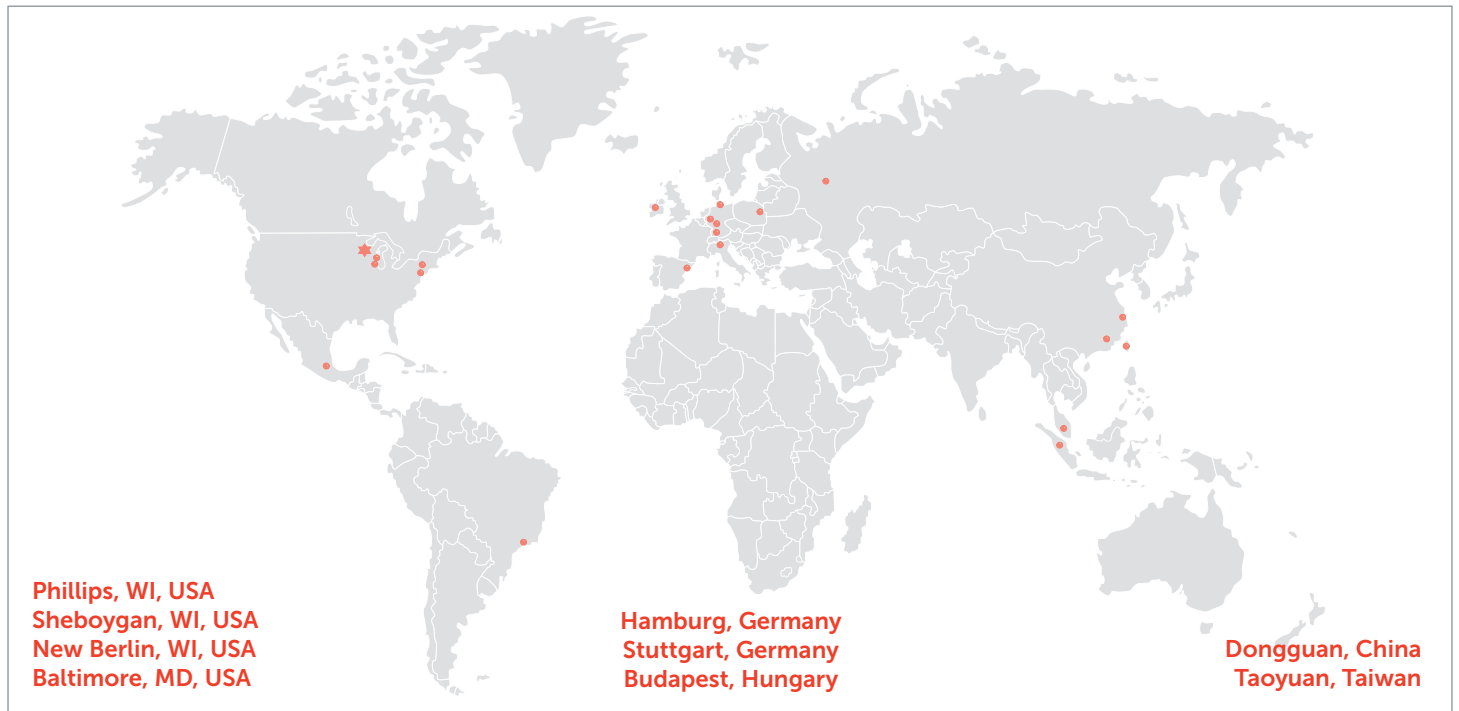


Falcon - Technical Data		
Sheet Width	350 mm (min.)	2500 mm (max.)
Sheet Length	400 mm (min.)	1650 mm (max.)
Roll diameter	up to 2200 mm	
Roll width	450 mm	2600 mm
Roll weight (max.)	5000 kg optional: 7000 kg	
Core Diameter	76 mm up to 305 mm	
Working width, net	up to 2500 mm	
Production speed (max.) as per speed curve	350 m/min.	
Grammage	140 - 1000 g/m ² - Single Web 140 - 500 g/m ² - Dual Web	
Knife load cross cutter (max.)	1000 g/m ² - subject to material type	
Knife load slitter (max.)	750 g/m ² per level	

About BW Papersystems

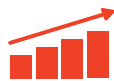
BW Papersystems, part of the Barry-Wehmiller group, builds capital equipment, that converts paper into products used by consumers – every day, all over the world. We offer innovative solutions, service and parts plus long-standing global experience, in the corrugating and finishing; sheeting and packaging; 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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