

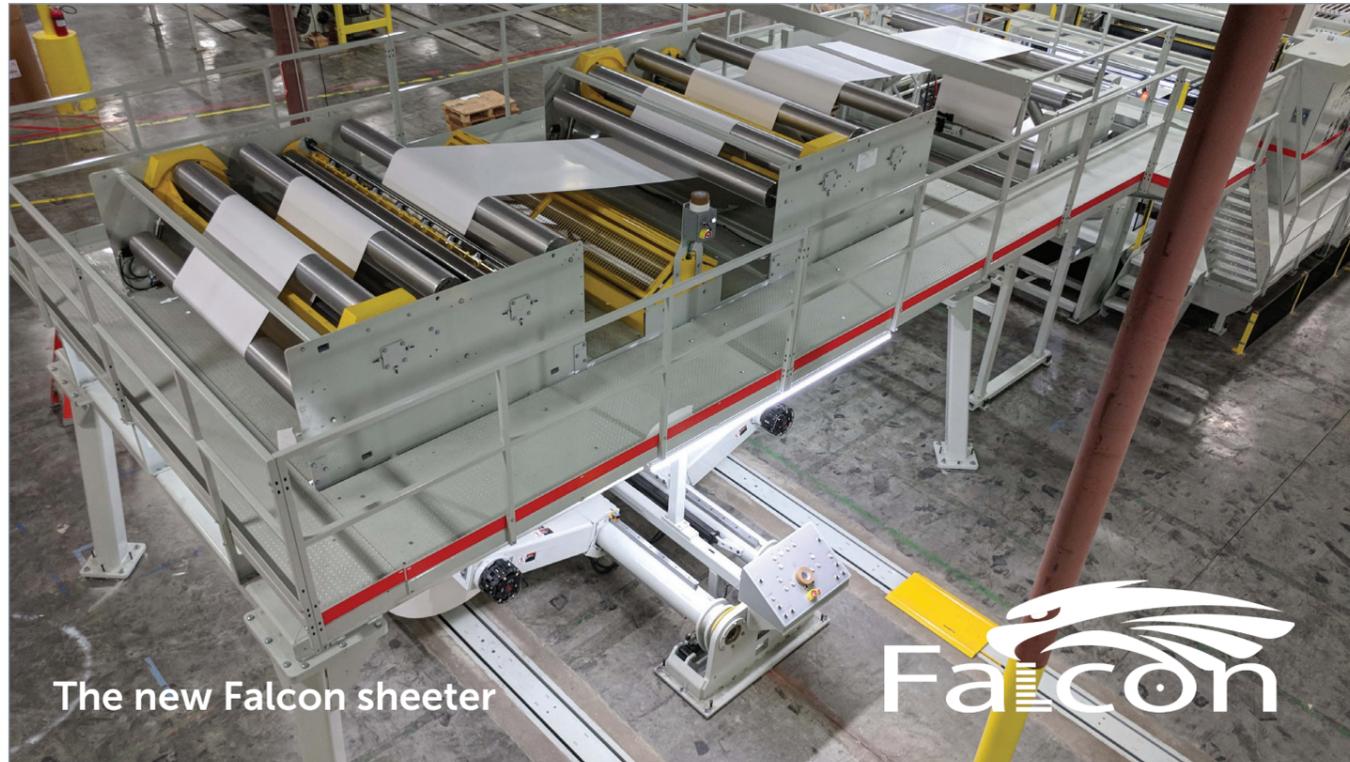
## Falcon - Highly flexible folio sheeter for paper converters



### Reliable, productive folio sheeter combining the best technologies

The new Falcon combines renowned technologies and know-how from JAG Synchro, E.C.H. Will, Bielomatik and Marquip. This high performance, cost effective folio sheeter runs a broad range of paper products, providing unsurpassed versatility and excellent cut quality, which makes this an ideal sheeter for all paper converters.

- World leading knife technology with superior cut quality up to 1000 g/m<sup>2</sup>
- Supports reduced speed, zero reject non-stop pallet change
- Web widths up to 2500 mm
- Converts grammages from 60 up to 600 g/m<sup>2</sup>
- 2-web board cutting capacity up to 350 g/m<sup>2</sup> for dramatically increased output
- Up to 10 web production for paper sheeting
- Automatic set-up single & dual level slitter section
- Simplified size change adjustments allow efficient handling of low volume orders
- Available with a range of unwinding equipment with and without automatic splicing
- Machine control via Siemens/Beckhoff
- Unique low inertia knife drums and motors provide industry leading low power consumption
- Sheet handling packages for versatile handling of a wide range of material types
- HMI, machine set up functions and maintenance all designed to be simple and user friendly, MES available



The new Falcon sheeter



Best combination of known folio sheeter technologies and know-how for all converters - from JAG Synchro, E.C.H. Will, Marquip and Bielomatik

**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**

Various types of unwinds to meet requirements

- Unwinds (pivoting type) with automatic reel centering
- Web guiding system with manual movement of unwind, through operator panel
- Splice detection for proper rejection of splices
- Options:
  - Split Web
  - Automatic Dual Slitter

**Decurling**

The Falcon's decurling options include:

- Combined Roll / Edge decurler
- 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 / Dual 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/m<sup>2</sup>, 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.

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 optional: 279 mm (min.)	1650 mm optional: 2080 mm 3500 mm (max.)
Roll diameter	up to 2200 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 2500 mm	
Production speed (max.) as per speed curve	350 m/min.	
Grammage	60 - 600 g/m <sup>2</sup>	
Knife load cross cutter (max.)	1000 g/m <sup>2</sup> - <i>subject to material type</i>	
Knife load slitter (max.)	750 g/m <sup>2</sup> per level	

**Options**

- Cut to register
- Tab inserter

# 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.

# BW Papersystems

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