

Size Flexible, High-Performance Sheeter RQS-V with Innovative Sheet Transport by Air - 1060 & 1650 mm



A revolution in the converting of film and lightweight paper

The high-performance sheeter RQS-V combines a precise cross cutting unit with the revolutionary «Air-Stream» transport system. The safe and reliable handling of the material by means of airflow allows the web to be cut to size precisely. If installed inline, the sheeting process does not limit the printing press as the sheeter operates at up to 400 m/min. Cut-off lengths are steplessly variable. Regardless of whether single web thin printing paper starting from 40 g/m² or plastic films of 50 µm is handled - the «Air-Stream» safely transports the sheet onto the stack.

- **Fast:** up to 400 m/min. (1,300 ft/min.), dependent upon material characteristics
 - **Precise:** cut-to-register with a cutting tolerance of ± 0.15 mm/1,000 mm
 - **Size variable:** flexibly adjustable longitudinal & cross cut
 - **Efficient:** elimination of intermediate step via offline cross cutter saves space, logistics and waste
 - **Mark-free:** a safe transport by air onto a perfect stack
- Applications**
 - Precision sheeting for manufacturers and converters of lightweight papers or plastic films, including materials with sensitive surfaces, e.g.
 - In-mould labels
 - Wet glue labels
 - Pharmaceutical information leaflets
 - Scratch-sensitive plastic films

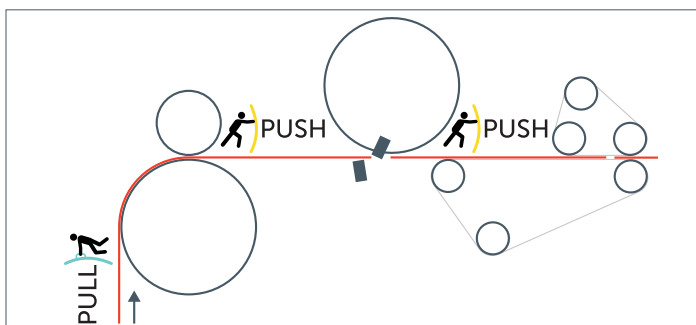
RQS-V - a perfect match for any paper or film converter

Revolutionary, fast & safe: air transport system for standard and extremely light films and paper alike

In conventional cross cutters the web is pushed from the draw system into the cross cutting unit. Air turbulences in front and behind the rotating cross-cutting drum then cause disturbances in the product flow. Tapes and belts take time to set up, can cause sheet marking and are prone to wear.

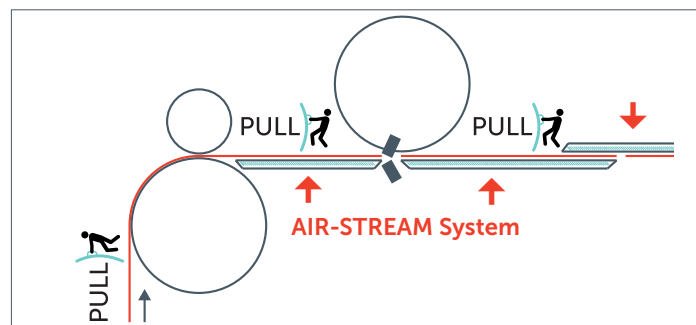
Our «Air-Stream» system moves sheets without upper and lower transport belts. With the Questec technology, the closely arranged air strips safely transport each sheet through the sheeter, ensuring control of the sheet at all time until it is placed on the stack.

Conventional tape transport system



In front and behind the cross cutting unit, the material is being pushed and not guided over longer distances

Innovative air transport system «Air-Stream»



Material almost gaplessly guided and under permanent tension.

Precision cut, safe transport, neat stacking - ideal for standard and thin light paper

Our «Air-Stream» system is part of a complete sheet handling concept.

As the web enters the sheeter, optional side trimming and slitting is available. Trims can be removed via a blower. Starting from the drum roll, the sheets are continuously pulled and securely placed onto the stack. The cross cutter with fixed bottom knife produces the highest quality in regards to cut accuracy, cut quality and squareness.

The «Air-Stream» system allows an edge-protecting, mark-free stacking.



Modern, simple operation & ergonomics

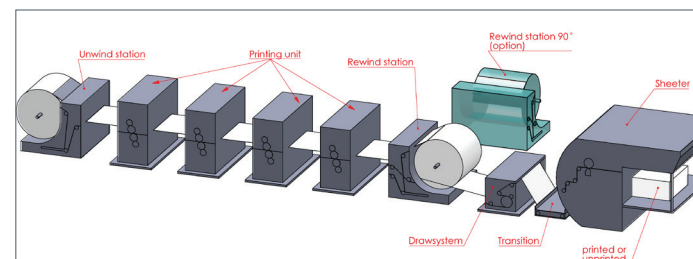
The RQS-V sheeter needs no platform. Operation and maintenance are done from the floor - simple, safe and ergonomic.

The advanced drives and controls package provides intuitive operation.

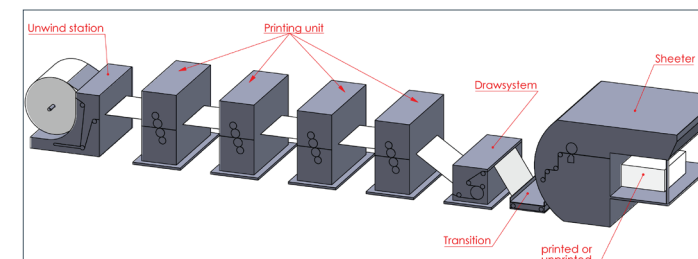
A job memory stores product-specific settings, which are available at the push of a button when changing jobs.

A modern remote diagnosis system allows connecting to our global support team at any time.

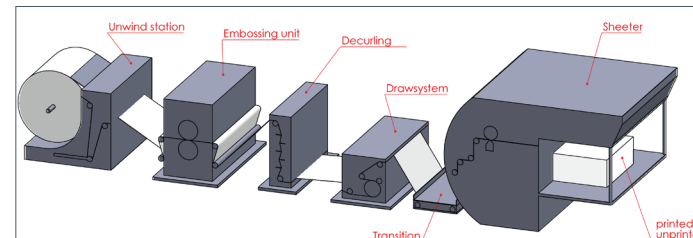
Flexible configurations - offline or inline with web press, rewind station, embossing and more



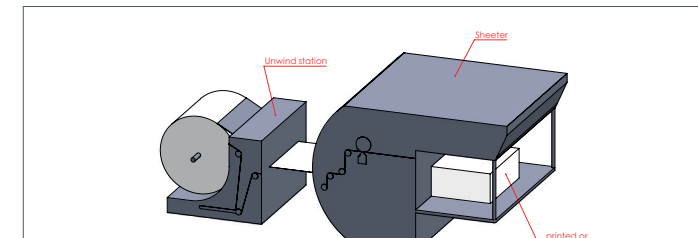
Flexible sheet or reel production in one line



Pharma insert or in-mould label printing



Wet glue label sheeting system



Converting of paper or film (optional: Corona treatment)

The RQS-V can be integrated into any web-fed press - off-set, gravure, flexographic or digital. Its production speed of 400 m/min. (1,300 ft/min.) allows for the full speed advantage of a web-fed press while providing variable cut-off lengths and size flexibility, too.

The inline configuration produces printed sheets at press speed at single pass. This eliminates speed reductions, intermediate handling and waste. Further finishing steps, like embossing or perforating, can be integrated.

RQS-V benefits at a glance:

- **Speed:** at 400 m/min. (1,300 ft/min.), sheets are reliably cut and placed on the stack
- **Sheet transport by air:** contactless «Air-Stream» transport without belts or rollers eliminates markings, turned-up corners (dog ears) or slipped sheets
- **Precision:** proven cross cutting technology with a dynamic drive allows for a clean, accurate cut
- **Quality:** perfect stacking pattern due to gentle, safe pulling of the sheets onto the stack
- **Compact & ergonomic:** No platform and very small footprint of the main machine of less than 3 m (10 ft), thus well laid out and easy and safe to operate
- **Reliable handling:** thanks to „«Air-Stream» the material is always safely transported, independent of web curvature, statics or surface condition
- **Fast set-up times:** extremely short start-up ramps thanks to fewer setting points plus job memory
- **Virtually maintenance-free:** a sheet transport without belts or rollers eliminates wear

	Technical Data	
	RQS-V 106	RQS-V 165
Max. web width	1,060 mm / 42"	1,650 mm / 65"
Min. web width	400 mm / 15.74"	
Sheet length	min. 400 mm / 15.74" max. 1,060 mm / 42" (opt. 1,500 / 59" or 1,800 mm / 71")	
Paper / board grammage	min. 40 g/m ² max. 190 g/m ² (optional 250 g/m ²)	
Film thickness	min. 50 µm max. 190 µm (optional 250 µm)	
Max. production speed	400 m/min. / 1,300 ft/min. *	
Cut accuracy	+/- 0.15 mm/1,000mm / 0.006"/39.37"	
Pallet height, incl. pallet	1,500 mm / 59"	
Number of webs	1	
Number of pockets	1 - 4	
Substrates	Paper, board, film, wet glue labels, specialties papers	
Noise emission	On request, depending on machine configuration	
Options available	Unwind, inline embossing, web cleaner, web inspection, slitting, cut-to-register, full speed reject gate, tab inserter, sample taking device, remote diagnostics	

*dependent upon material characteristics & speed curve

About BW Papersystems

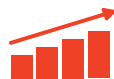
BW Papersystems, part of the Barry-Wehmiller group, builds capital equipment, that converts paper into products used by consumers – every day, all over the world. We offer innovative solutions, service and parts plus long-standing global experience, in the corrugating and finishing; sheeting and packaging;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