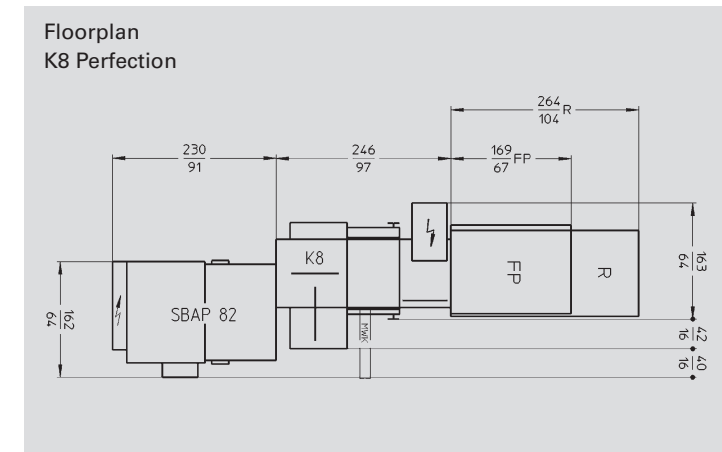


Absolutely convincing in every detail:
The equipment of the K8 Perfection

Versions and technical data

Machine / Unit		K8 – R		K8 – FP		Crossfold		Threefold	
Feeder		R800		FP800/120					
		cm	inch	cm	inch	cm	inch	cm	inch
Infeed width	min	15,00	5 7/8	17,00	6 3/4	15,00	5 7/8	15,00	5 7/8
	max	78,00	30 3/4	78,00	30 3/4	78,00	30 3/4	53,00	20 7/8
Infeed length	min	20,00	7 7/8	25,00	9 7/8	10,00	3 7/8	10,00	3 7/8
	max	120,00 (175)	47 1/4	120,00	47 1/4	53,00	20 7/8	39,00	15 3/8
With small format device	min	–	–	17,00	6 3/4	–	–	–	–
Folding length	min	6,00	2 3/8	6,00	2 3/8	–	–	–	–
NIRO buckle plates									
Buckle plate 1	max	70,00	27 1/2	70,00	27 1/2	KTL: 31,00	12 1/4	KTLT: 16,00	6 1/4
Buckle plate 2	max	70,00	27 1/2	70,00	27 1/2	KTZ: 20,00	7 7/8	–	–
Other buckle plates	max	49,00	19 1/4	49,00	19 1/4	–	–	–	–
Combiplates									
Buckle plate 1	max	64,00	25 1/4	64,00	25 1/4	KTL: 26,00	10 1/4	KTLT: 15,00	5 7/8
Buckle plate 2	max	64,00	25 1/4	64,00	25 1/4	KTZ: 20,00	7 7/8	–	–
Other buckle plates	max	43,00	16 7/8	43,00	16 7/8	–	–	–	–
Number of buckle plates	min	4		4		0		0	
	max	6		6		1		1	
		mm	inch	mm	inch	mm	inch	mm	inch
Fold roller diameter		43,70	1 3/4	43,70	1 3/4	44,00	1 3/4	44,00	1 3/4
Slitter shaft diameter		35,00	1 3/8	35,00	1 3/8	35,00	1 3/8	35,00	1 3/8
Product thickness at exit (thicker on request)	max	2,00	1/16	2,00	1/16	2,80	1/8	3,00	1/8
		m/min	inch/min	m/min	inch/min	m/min	inch/min	m/min	inch/min
Speed	min	10	394	10	394	10	394	10	394
	max	230	9055	230	9055	230	9055	230	9055
Control	M1 Control								
Drive control	electronically adjustable								

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K8 Perfection

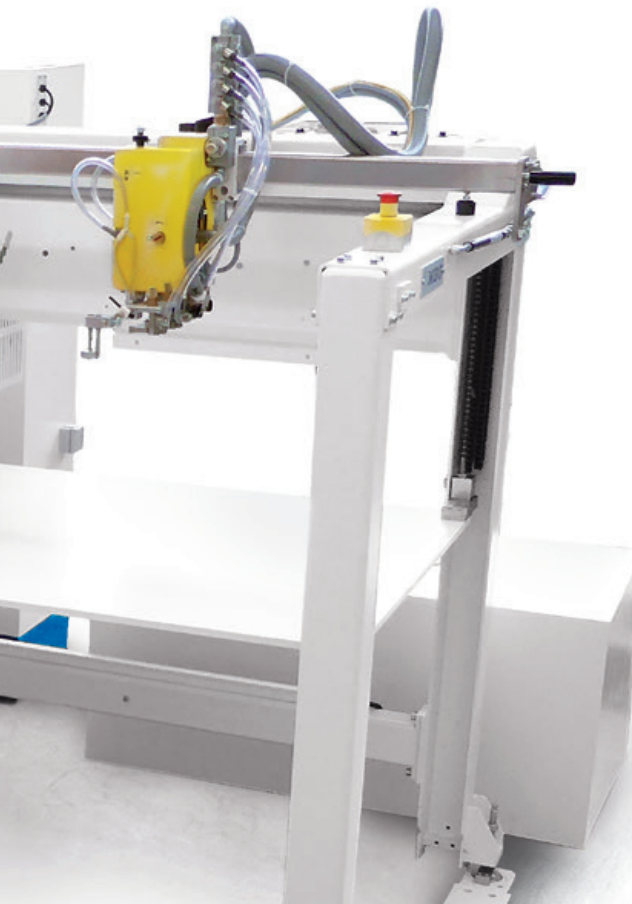
The precision is in the details



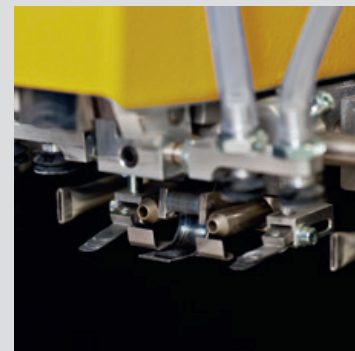
The K8 Perfection achieves absolute precision and outstanding productivity because of numerous MBO premium features integrated in this machine: M1 Control for safe transportation of sheets and easy handling, VACUKNIFE folding knife for smallest possible sheet gaps, patented slitter shaft cassette MWK for short set-up times etc. The optional SUPER-KTZ configuration which enables an even wider range of various folding styles adds more flexibility. Further extensions to enhance

performance: The mobile Z2 knife folding unit for four-fold tasks. Due to the pneumatic drive the crossfold knife VACUKNIFE allows a frequency of 40,000 cycles/h.

The open cross and threefold section and the waste paper ejector complete the user-friendliness of the K8 Perfection and make it the ideal partner for standard production as well as for the production of time-consuming and complex products.



VIVAS
VIVAS is the reliable option for a flat sheet infeed and sheet running with high conveying power. The VIVAS vacuum system replaces the standard ball rails, thus guaranteeing marking-free documents, even if sensitive or freshly printed.

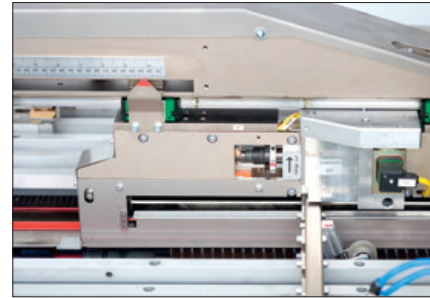


VACULIFT III
VACULIFT III ensures a constantly optimal sheet separation due to the motor-driven height-adjustment by a presser foot positioned in centre as well as four suckers and four individually adjustable pre-blowers.



M1 – The Next Generation of Machine Control Systems
With its graphic user interface and intuitive menus, the M1 Control is very user friendly. Its touchscreen display allows operators to control multiple machine functions from the same interface by simply navigating through the M1 menu options.

MBO Features



VACUKNIFE

The newly optimised pneumatic drive allows a frequency of 40,000 cycles/h for the crossfold knife VACUKNIFE. This is a significantly higher output than with the conventional mechanical clutch/brake system. The knife is led double-sided across the complete knife width and is driven linearly – therefore, the sheet is permanently led until it is delivered to the foldrollers and folded exactly at the specified spot. Moreover, the knife can be moved horizontally. Therefore, small formats with small sheet gaps can also be processed. The result: A higher output.



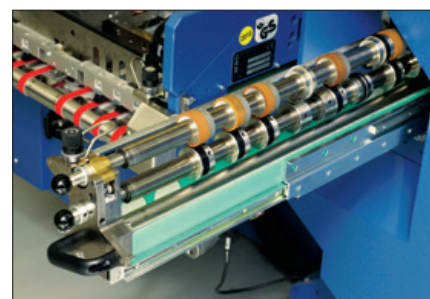
Waste paper ejector

The sheet stop in the crossfold can be used as a waste paper ejector. Double or heavily misfolded sheets are ejected during production without interruption of the production flow. Immediately after the ejection the waste paper ejector closes again and the production is continued without any disturbance. Novel track-keeping tooth belts ensure optimal transportation of sheets.



Open cross and threefold section

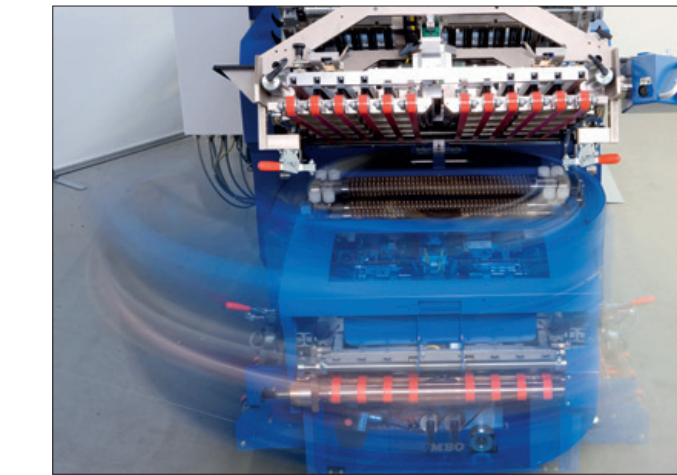
Swinging up of crossfold knife area and sliding out of threefold knife area: For free accessibility to the foldrollers and slitter shafts, for adjusting, cleaning and removing of paper.



Slitter shaft cassette

The slitter shaft cassette included as standard equipment reduces change-over times. In an ergonomically favourable height the cassette can be easily and quickly drawn out on the operator side, allowing the precise adjustment and positioning of the knives. Moreover, all needed strippers (like e.g. edge trimming or gully cut device) can be mounted directly on the cassette outside the machine.

State-of-the-art technology meets quality at the highest level



SUPER-KTZ

The SUPER-KTZ configuration combines the configurations KZ and SUPER KTL and, therefore, the folding style ranges of two machines in one. The complete cross and threefold section (except for the crossfold knife) can be swivelled a full 180 degrees from left to right without much effort. As a result, you can turn a SUPER-KTL configuration into a SUPER-KTZ configuration – with least expenditure of time.

SUPER-KTL/SUPER-KTLT

You can get even more folding styles out of the SUPER-KTL and SUPER-KTLT configurations. The various combinations of the cross and threefold knife with the subsequent buckle plate and the rear slitter shafts in the cross and threefold allow a multitude of processing possibilities.

In the SUPER-KTLT version there is an additional buckle plate after the threefold for the application of even more folding styles. The SUPER-KTLT configuration replaces a cost-intensive buckle folding machine with a large space requirement when folding 32 pages in double-up production.

Apart from standard products the K8 Perfection is also able to produce complicated products and folding layouts with absolute precision. This technical perfection is achieved due to the integration of numerous MBO-specific features ensuring highest output and excellent quality as well as maximum comfort and shortest set-up times because of the unique possibility of full automation.

Standard equipment and options

Equipment:

- M1 Control
- TOUCHSCREEN
- DUALFEED continuous feeder R800
- Anti-static lattice-type alignment table
- VIVAS
- 4 NIRO buckle plates with swing deflectors
- VIRO-TEC foldrollers
- Through sheet stops in buckle 1 and 2
- Low maintenance and low noise belt drive
- Slitter shaft cassette MWK for single rear slitter shafts with bearing plugs
- Slitter shafts in the threefold section
- Noise insulation/safety equipment
- Knife-folding range as S-KTL, S-KTLT or S-KTZ version
- VACUKNIFE
- Sheet smoothing and retention with brushes and high-speed wheels
- Swing-up crossfold knife area
- Slide-out threefold knife area
- Transport belt in the cross and threefold section as track-keeping tooth belt
- Additional, fixed high-speed wheels in the threefold
- Scoring, perforating and cutting devices for standard jobs

Options:

- DATA MANAGER
- FP800/120 palletised feeder with pile-lowering device FLS and feeder head VACULIFT III, pile height 120 cm
- Extension to 6 NIRO buckle plates
- COMBIPLATE combination buckle plates
- WINPLATE gatefold plate
- Strip trimming device
- Multiple perforating device
- Edge trimming device
- Punch perforating device
- Sheet stop in crossfold as waste paper ejector including ultrasonic double-sheet control
- Various deliveries
- Automation RAPIDSET
 - Feeder R, FP and sidelay
 - Buckle plate and sheet deflector adjustment
 - Foldroller and slitter shaft adjustment* in the parallel unit
 - Knife-folding range including crossfold knife length, sheet stops and buckles
 - Foldroller and slitter shaft adjustment in the cross and threefold

*With MWK, the slitter shafts are adjusted manually.