

✈ "Folding machine" just does not describe K 800 sufficiently enough. Milestone says it better.

K 800



The combi folding machine K 800 Perfection is the ideal solution for customers who make full use of their folding machine and have to handle many special jobs. Mature technologies and innovative MBO premium features ensure that the benefits of the K 800 Perfection remain on a high level, without exception: highest performance, best quality, maximum efficiency, minimum changeover times, largest possible variety of folding types. The logical consequence: 100 percent efficiency.

Apart from standard products, the K 800 is also suited to produce complicated products and folding patterns with absolute high precision. This technical perfection is achieved by the integration of numerous, specific MBO features which provide the highest performance by maintaining excellent quality – and thanks to the unique options of full automation also maximum comfort and minimum changeover times.



SUPER-KTZ-Configuration

SUPER-KTZ Configuration

SUPER-KTZ Configuration combines the configurations KZ and SUPERKTL, thus the folding type range of two machines into one. The entire cross fold and three fold area (with the exception of the cross folding knife) can be pivoted from left to right in just a few easy steps, which turns your SUPER-KTL Configuration into a SUPER-KTZ-configuration – and it requires only little time.

➤ Technology state-of-the-art,
quality at the highest state.

> **Quick-Link:**
Deliveries from p. 132

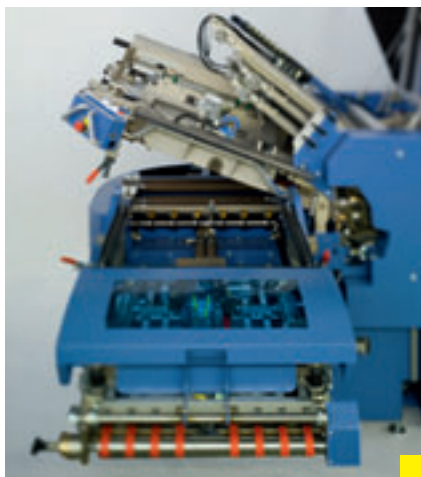
> **Quick-Link:**
Controllers from p. 124

Special equipment TOUCHSCREEN, FP-800/120 palletized
feeder, pile delivery FA 66, automation RAPIDSET

K 800 Perfection delivers perfect results. This is guaranteed by the unique automation potential for "changeover at the press of a button" and features, which we have especially developed to meet the highest demands.

Open cross fold and three fold area

Swing-up cross folding knife and
slide-out three folding knife: for free
accessibility to the foldrollers and
slitter shafts, to set up, clean and
remove paper.



Open cross fold and three fold area

Combi folding machines K 800 Perfection

> **Quick-Link:**
Feeders from p. 108



The K 800 achieves its absolute precision and exemplary productivity by numerous MBO premium features that are applied on this machine: NAVIGATOR Control for safe sheet transport and best possible operator convenience. VACUKNIFE folding knife for minimum distance between the sheets patented slit shaft cassette MWK for shortest changeover times, etc. More flexibility is provided by the optional SUPER-KTZ configuration, which allows to process an even broader range of folding types. Additional "performance increasing" supplements: the mobile Z 2 knife folding unit for four fold jobs or the thread sealing machine ZSF 66.

The pneumatic drive allows to operate the cross folding knife VACUKNIFE at a frequency of 35,000 cycles/h – thus, an output is achieved which is distinctly higher than with a conventional brake-clutch combination. The knife is linearly driven and guided on both sides over the entire knife width – thus, the sheet is continuously guided until passed on to the foldrollers; it is exactly folded at the indicated point. The knife can also be moved horizontally. Thus, also small formats can be run with a small sheet distance. The result: a higher output.

Your benefits at a glance

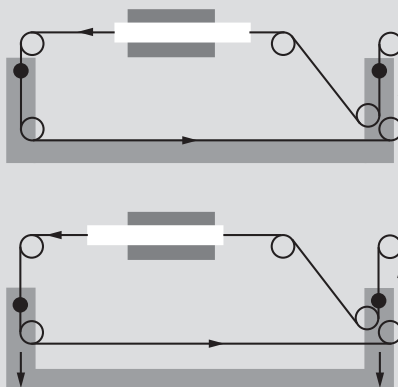
MBO premium for highest output and quality

Full automation option for ultimate convenience and minimum downtimes

Broad range of folding types by extension to SUPER-KTZ

Unrivalled 35,000 cycles/h thanks to the pneumatic drive of the VACUKNIFE

Absolute process safety by waste paper ejector



VACUKNIFE

➤ Convincing on all points: the equipment of K 800 Perfection.

Equipment

- NAVIGATOR Control
- F 800 pile feeder with feeder head VACULIFT and pile lowering device FLS
- Anti-static lattice-type alignment table
- VIVAS
- 4 NIRO buckle plates with swing deflectors
- Through sheet stops in buckles 1 and 2
- Low maintenance and low noise belt drive
- Spiral foldrollers HIGH GRIP (for machines without automation)
- Slitter shaft cassette MWK for single rear slitter shafts with plug bearings
- Scoring, perforating and cutting devices for standard operations
- Noise insulation/safety equipment
- Knife folding area as S-KTL or S-KTLT or S-KTZ version
- VACUKNIFE
- Sheet smoothing and retention by brushes
- Swing-up cross fold knife area
- Slide-out three fold knife area

Alternative/Additional equipment

- TOUCHSCREEN
- DATAMANAGER
- DUALFEED continuous feeder R 800
- FP 800/95 palletized feeder with pile lowering device FLS and feeder head VACULIFT , pile height 95 cm
- FP 800/120 palletized feeder with pile lowering device FLS and feeder head VACULIFT III , pile height 120 cm
- Extension to 6 NIRO buckle plates
- COMBIPLATE combi buckle plates
- WINPLATE gatefold plate
- Glue fold device
- Strip trimming device
- Multiple perforating device
- Edge trimming device
- Punch perforating device
- Sheet stop in the cross fold area as waste paper ejector incl. ultrasonic double sheet control
- Various deliveries
- Automation RAPIDSET
 - Feeders F, R, FP
 - Alignment ruler register table
 - Buckle plate and sheet deflector adjustment
 - Foldrollers and slitter shafts adjustment*
 - Complete knife folding area incl. cross fold knife length, sheet stops, rollers, slitter shafts and buckles

* With MWK, slitter shafts are adjusted manually.

Waste paper ejector

The sheet stop in the cross fold area may be used as waste paper ejector. Double or heavily misfolded sheets are thus sorted out during the running production, without totally interrupting the production flow. Immediately after ejecting the sheets the deflector is closed and production continuous without any disturbance.

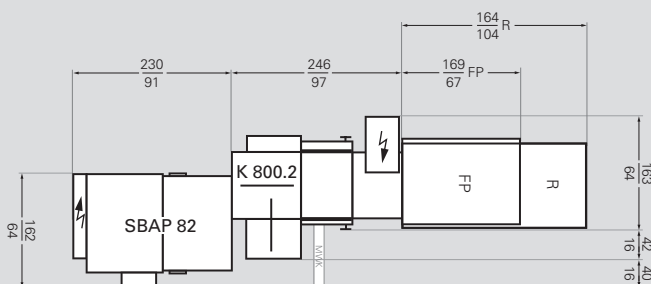


Waste paper ejector

Combi folding machines K 800 Perfection

Machine		K 800.2-F		K 800.2-FP		K 800.2-R		Cross fold		Three fold	
		cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Infeed width	min.	17.00	6 6/8	17.00	6 6/8	15.00	5 7/8	15.00	5 7/8	15.00	5 7/8
	max.	78.00	30 6/8	78.00	30 6/8	78.00	30 6/8	78.00	30 6/8	53.00	20 7/8
Infeed length	min.	25.00	9 7/8	25.00	9 7/8	20.00	7 7/8	10.00	3 7/8	10.00	3 7/8
	max.	120.00	47 2/8	120.00	47 2/8	120.00 (175)	47 2/8	53.00	20 7/8	39.00	15 3/8
Folding length	min.	6.00	2 3/8	6.00	2 3/8	6.00	2 3/8	–	–	–	–
NIRO- buckle plates											
Buckle 1	max.	70.00	27 4/8	70.00	27 4/8	70.00	27 4/8	KTL: 31,00 KTZ: 20,00	KTL: 12 2/8 KTZ: 7 7/8	KTLT: 16,00	KTLT: 6 2/8
Buckle 2	max.	70.00	27 4/8	70.00	27 4/8	70.00	27 4/8	–	–	–	–
Additional buckles	max.	49.00	19 2/8	49.00	19 2/8	49.00	19 2/8	–	–	–	–
No. of buckle plates	min.	4		4		4		KL = 0		0	
	max.	6		6		6		KTL/KTZ = 1		KTLT = 1	
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
Diameter Foldrollers		43.70	1 6/8	43.70	1 6/8	43.70	1 6/8	44.00	1 6/8	44.00	1 6/8
Diameter Slitter shafts		35.00	1 3/8	35.00	1 3/8	35.00	1 3/8	35.00	1 3/8	35.00	1 3/8
								bar			
Compressed air								6,00			
		m/min	inch/min	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	10	394
	max.	215	8465	215	8465	215	8465	215	8465	215	8465
Drive control											
NAVIGATOR-Control		electronically controlled									

Basic design K 800 Perfection



Dimensions in $\frac{\text{cm}}{\text{inch}}$