



Short Description

- Separate cut documents (single sheet) ex stack, portrait or landscape
- Reading, grouping and collating at request
- Folding if required (depending on application)
- Grouping after folding
- Feeding of enclosures from 1 up to 8 stations
- Inserting of collected document groups
- Close mailpiece and seal if required
- Diverting of incorrect mailpieces or mailpieces to be checked
- Divert of mailpieces according to control marks or criteria such as weight, postage etc.
- Marking of mailpieces
- Deposit of mailpieces to shingling conveyor
- Separate documents and feeding
- Grouping of documents on grouping station 1 before folding and/or grouping station 2 after folding
- Grouping sequence from above or below convertible
- For C4 processing > 20 sheets grouping of documents on the chain from above
- Folding unit for none-, single-, Z- or roll-fold-applications
- The folding length can be adjusted continuously variable
- Feed enclosures from 1 to 8 stations
- Flip-Flop operation between 2 enclosure stations in several Flip-Flop-groups
- Separate, open and feed envelopes (window below)
- Take over document stack from chain (address below)
- Inserting into envelope
- Turn over envelope with content at 180° (address above)
- Moisten envelope flap (packing glued / not glued according to control character or application value possible)
- Close envelope flap

Application

Functions



Short Description

Functions

- Divert of mailpieces according to control marks
- Diverting by weight: multiple weight resp. postage bins are possible
- Marking of mailpieces according to control characters or criteria such as counter or weight (option). Max. 2 marking bins
- Consequent depositing to reception stack or shingling belt

Single sheet feeding module EFG with integrated grouping- and folding station

- Sheet separator with integrated reading area
- Grouping station No. 1
- Folding unit for none-, single- Z- or roll fold (depending on application)
- 4 pocket folding mechanism, upfoldable
- Without folding pockets
- Grouping station No. 2
- Grouping from above or below for grouping station 1 and 2 (Material for conversion to other grouping direction is included)

Feeding station module ZSMS

- Chain transport
- 2 feeding stations with withdrawal friction on pos. 1 and pos. 3
- Integrated control cabinet

Inserting module KV

Equipment basic version

- Envelope feeding station with envelope belt
- Inserting unit
- Adjustable packing pocket for content width 210 up to 305 mm (envelope width 220 up to 353 mm)
- Turning device for packings (address below to address above)
- Control panel with 15.6" with touch screen
- Water container
- Controlable moistening device
- Flap closing unit

Output (Minimum configuration, to be ordered separately):

- 1 Deviation module (extendable up to max. 6 deviation modules)
- 1 Guideroller
- 1 shingling conveyor 2m

Generally

- Emergency stop device
- Safety/sound protecting covers with interlock
- Base on rolls



Short Description

- Automatic format setting (setting of: format length on table 1 and 2 of the EFG, width of the lateral guides of the feeding station module ZSM, width of the packing lamellas, envelope height of envelope bin and deflection before sealing unit)
- Kit for aligning the system with uneven ground
- Sound package for noise reduction
- Output reading integrated in sealing unit (mail Factory® required)

EFG

- Folding pocket 3mm 220 Pos. 1 to 4 with integrated deviation ruler
- Folding pocket Auto 3mm 220 pos. 1 to 4
- Deviation ruler pos. 1 to 4
- Retention device for grouping on chain for C4-processing > 20 sheets ex EFG
- Processing of short formats < 165 mm ex EFG
- Soft folding rollers
- Transport rollers with increased friction on sheet separator
- Camera reading from above and/or below on feeding module EFG:
- Matrix 300 for Barcode and Datamatrix reading, from above or below
- Cognex IS5400 for OMR reading from above or below, incl. Vision View Panel.
- Combination of Matrix 300 and Cognex possible (Observe mechanical restrictions during adjustment (collision))

Options

ZSM

- Additional feeding module ZSMO (without control cabinet) with 2 stations on positions 1 and 3 ZSMO can only be used, if on ZSMS 4 feeding stations are available. ZSMS always before the inserter; ZSMO always before the ZSMS
- Additional feeding station ZSF (Friction) up to max. 8 Stations
- Retrofit only in pairs
- Feeding station with vacuum support
- Processing of enclosures with thickness > 2.5 mm ex feeding station
- Camera reading from above to feeding station (not yet available)
- Chain bin monitoring

Inserter

Flap opener with blowing air assistance

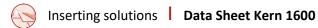
Output

- **Deviation bins**
- Marking bins
- Marking rolls in red (standard), green, violet

Generally

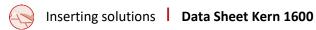
mailFactory® (no separate client hardware required, because client software runs on system computer)





Short Description

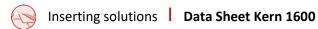
Control	 Industrial-PC processor
Operation	Operator panel 15.6" with touch screen
	• OMR
Reading	 Barcode
_	 Datamatrix
Manitarina	Double- or missing sheet
Monitoring	Monitoring of the stacks (envelope, ZS, EFG)
	 Level monitoring for water container
	Run monitoring
	 Document tracking
Color	Signal red, RAL3001
	Grey aluminium, RAL9007
	Black grey, RAL7021
Construction type	For continuous operation
Safety	CE, GS (in progress)
Warranty	■ 12 months



Technical Data

	Up to 12'000 envelopes/	hour for C6/5 and C5 applica	itions	
	 Up to 8'000 envelopes/hour for C4 applications 			
Performance	Paper transport speed EFG 2.8 m/sFolding speed 2.8 m/s			
	 Packaging transport spe 	eed at output 1.5 m/s		
Document format area	■ Min. 210 × 165 mm (210	0 × 93 mm option)		
(W x L)	■ Max. 305 × 225 mm			
Paper weight	■ 70 – 120 g/m²			
Grouping thickness (EEG)	Up to 4 mm (grouping station 1 up to 1 mm)			
Grouping thickness (EFG)	Up to 10 mm for C4 applications			
	 Single-Fold up to 8 she 	eets (80g/m²)		
Folding capacity	-	eets (80g/m²)		
	 Roll Fold up to 4 sheets (80g/m²) 			
Enclosure format area	■ Min. 210 × 93 mm			
(W x L) • Max. 305 × 225 mm				
Paper weight enclosures	■ 70 – 160 g/m²			
Enclosure thickness (Friction)	Up to 2.5 mm (up to 6 mm option)			
Envelope format area	■ Min. 220 × 105 mm			
(W x L)	Max. 353 × 250 mm (+/- 1 mm)			
Paper weight envelopes	■ 70 – 120 g/m²			
Packing thickness	• Up to 12.7 mm			
Operation languages	German, English, French, others on request			
	Machine 4 ZS (8 ZS):	6270 (7710) × 3630 × 138	0 mm	
	Module EFG:	$1990\times770\times1360~mm$		
	Module ZSMS:	$1440\times1100\times1260~mm$	(shipping: L=2170mm)	
Dimensions (L x W x H)	Module ZSMO:	$1440\times770\times1220~mm$	(shipping: L=2170mm)	
	Module KV-Input:	$2090\times850\times1380~\text{mm}$		
	Module KV-Output:	$2440\times1560\times1360~\text{mm}$		
	Deviation module:	$440\times410\times990\text{ mm}$		
	Shingling conveyor 2m:	$2240 \times 450 \times 970 \text{ mm}$		

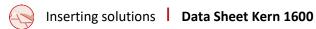




Technical Data

Weight (without, with packaging)	 K1600 EFG-8ZS: 1500, 1800 kg Module EFG: 290, 340 kg Module ZSMS: 340, 390 kg Module ZSMO: 200, 250 kg Module KV-Input: 240, 290 kg Module KV-Output: 350, 400 kg Deviation module: 36, 38 kg Shingling conveyor 2m: 45, 50 kg 	
Floor load	■ 170 kg/m²	
Point load	• 120 kg	
Power supply, frequency	 3 × 400VAC+NE, 50/60 Hz Protection by customer side: 16 A charakteristic C / 0.035 kA plus FI 300 mA, type B 	
Power consumption	• 1500 W	
Heat emission	■ 1500 J/s	
Compressed air connection	 Not required in basic version Compressed air connection optional Min. pressure in operation: 6 bar Max. pressure in operation: 12 bar Unlubricated air, filter fineness 40µm Connection: plug connection 8mm / G 1/8" Option retention device (grouping > 20 sheets on EFG) Air consumption at 6 bar approx.: 1 m³/h Option vacuum support feeding stations ZSF Air consumption per station at 3 bar approx.: 6 m³/h Option flap opening with blowing air assistance Air consumption approx.: 2 m³/h 	
Noise emission LEQ	 82.1 dB(A) (only valid with option P000958 sound package for inserting system K1600) 	





Technical Data

Lifetime	 Details on request 		
Service intervals	Depending on application		
Service and maintenance	According to instruction manual		
Operation conditions	 Operation, min. – max. 	+15°C up to + 30°C	
	 Operation, recommended 	d +18°C up to + 22°C	
	Relative humidity	50% up to 70%	
	 Recommendation: opera 	te installation in air-conditioned rooms	
Documentation	Operators manual		
	 Technicians manual 		
	 Spare parts catalogue 		
Data sheet	Subject to technical modification without advance notice		
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