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Miniature folding machine
for the production of
inserts, outserts and
product information

KL112.1

H+H
KOMORI Group

H+H
KOMORI Group

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KL112.1 MINIATURE FOLDING MACHINE

Watch video:



KL112.1 with continuous feeder.

The H+H KL112.1 miniature folding machine is designed for the production of small and **miniature folded products**. Due to the folding roller diameter of only 26 mm, a minimum fold length of up to 18 mm can be achieved. In combination with a maximum number of 24 buckle plates, large sheets can be folded down to a **minimal final format**.

The **flexibility** is one of the strengths of the KL112.1 folding machine. No matter whether you would like to manufacture products for the **pharmaceutical industry** (for example inserts and outserts), for **operating instructions** or for **product information** – the modular design means that there is a suitable configuration and solution for every requirement and every product. In addition, already existing components as well as units from the H+H and MBO product lines can be combined.



CONFIGURATION OPTIONS

Various feeding systems, for example:

- + Pile feeders for small formats and fast product changeovers
- + Continuous feeders for interruption-free production



Pile feeder.



Continuous feeder.

Options

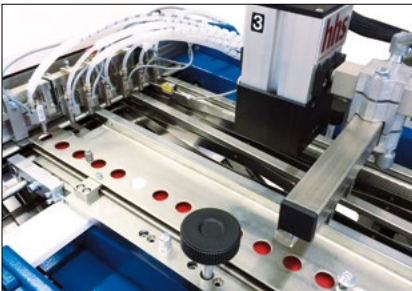
- + Pile feeder or continuous feeder
- + 10-24 buckle plates
- + Integratable camera system for quality assurance
- + Sheet tracking system (for M1 Advanced machine control)
- + Cold glue system and suitable fold rollers
- + Transfer unit with spreader and ejector function
- + Cross fold and parallel knife folding units
- + Pressing units for flat, pressed products
- + Closure labeller
- + Stream or vertical stacker deliveries

OPTIONS



M1 Advanced machine control

The M1 Advanced machine control impresses with its intuitive operator guidance. Setting corrections and repeat jobs can be carried out quickly. If the downstream units are also equipped with the M1 Advanced machine control, all settings can be made from each unit. Among other things, this enables continuous sheet target tracking. The control is MIS-compatible and includes a router for the RAS remote maintenance software.



Camera and water scoring system

The KL112.1 can be retrofitted with a camera system for quality assurance purposes. Various systems are available for reliable ejection of defective sheets. A water scoring system can also be retrofitted without any problems, ensuring excellent fold quality even with difficult products.



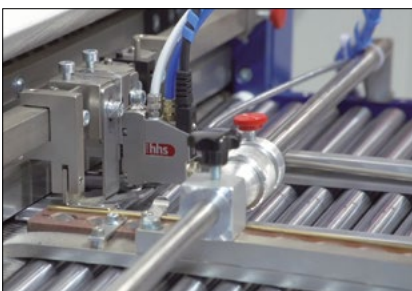
Transfer unit with sheet ejection

Transfer units from H+H ensure perfect sheet transport to the downstream units. Double-stream applications, multiple ups and height adjustments are possible without any problems. When using camera systems for quality assurance or gluing applications with glue monitoring, imperfect products are reliably ejected.



Rear slitter shaft for cutting, creasing and perforating

Depending on the application, the slitter shafts can be equipped with a wide variety of creasing, cutting or perforating tools.



Integrated gluing system for fold gluing

The installation of a cold glue system makes it possible to produce fold-glued products. The fold rollers and buckle plates are modified according to the required number. If the gluing system is equipped with glue monitoring, a diverter can be controlled.

DELIVERIES AND PERIPHERAL UNITS

Deliveries for the KL112.1

The selection of suitable delivery systems ranges from simple shingle stream to efficient vertical stacker's for up to four ups. All H+H deliveries are modular with manual or electrical height adjustment and can be used flexibly.



H+H 701 stream delivery.



H+H 177.1 vertical stacker delivery.



H+H XPD250.1 vertical stacker delivery.

Peripheral units for the KL112.1

Depending on customer requirements, further finishing units may be necessary in order to manufacture certain products. In addition to small format presses and belt presses, parallel and cross fold knife units, cutting units and scoring devices as well as closure labellers, among others, can be integrated into the H+H KL112.1 folding line.



H+H XP25 parallel knife.



H+H PP300.1 belt press.

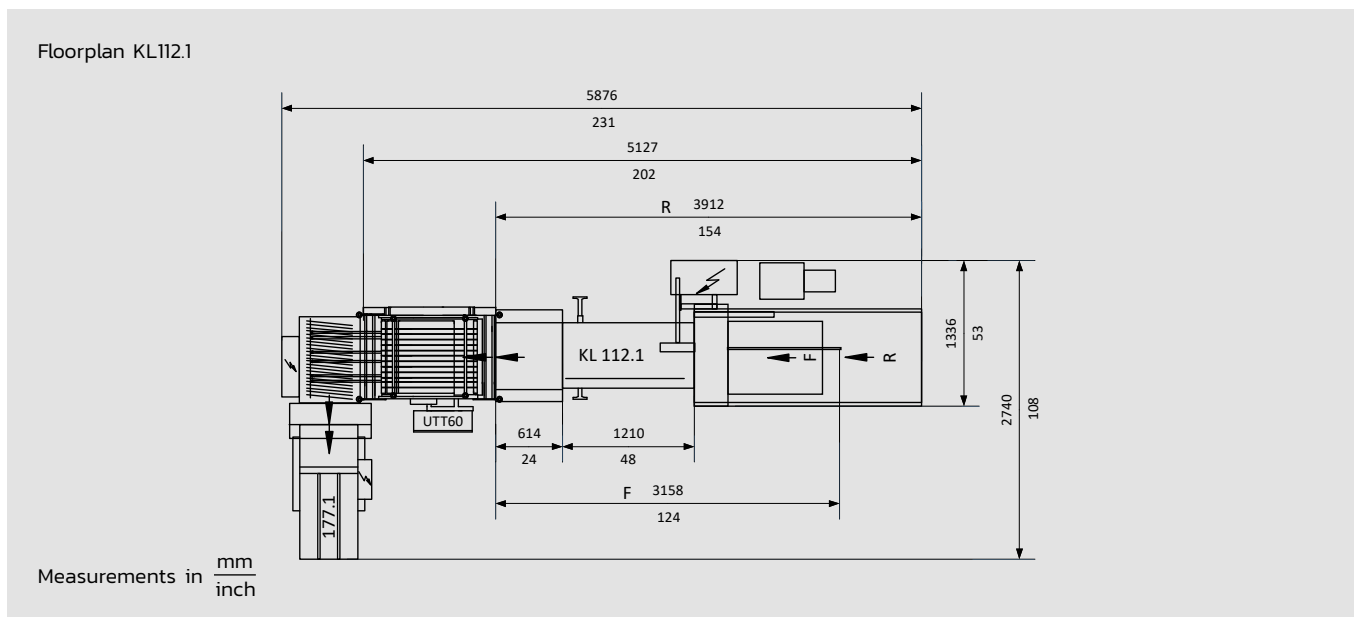


Illustration similar.

H+H KB60 cross fold knife.

TECHNICAL SPECIFICATIONS

		KL112.1 - F		KL112.1 - R	
		mm	inch	mm	inch
Working width	min.	80 x 105	3 1/8 x 4 1/8	150 x 180	6 x 7
	max.	510 x 1,000	20 x 40	510 x 1,000	20 x 40
Folding length	min.	18	11/16	18	11/16
Number of buckle plates		10-24			
Speed	min.	30 m/min (98 fpm)			
	max.	150 m/min (492 fpm)			



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