

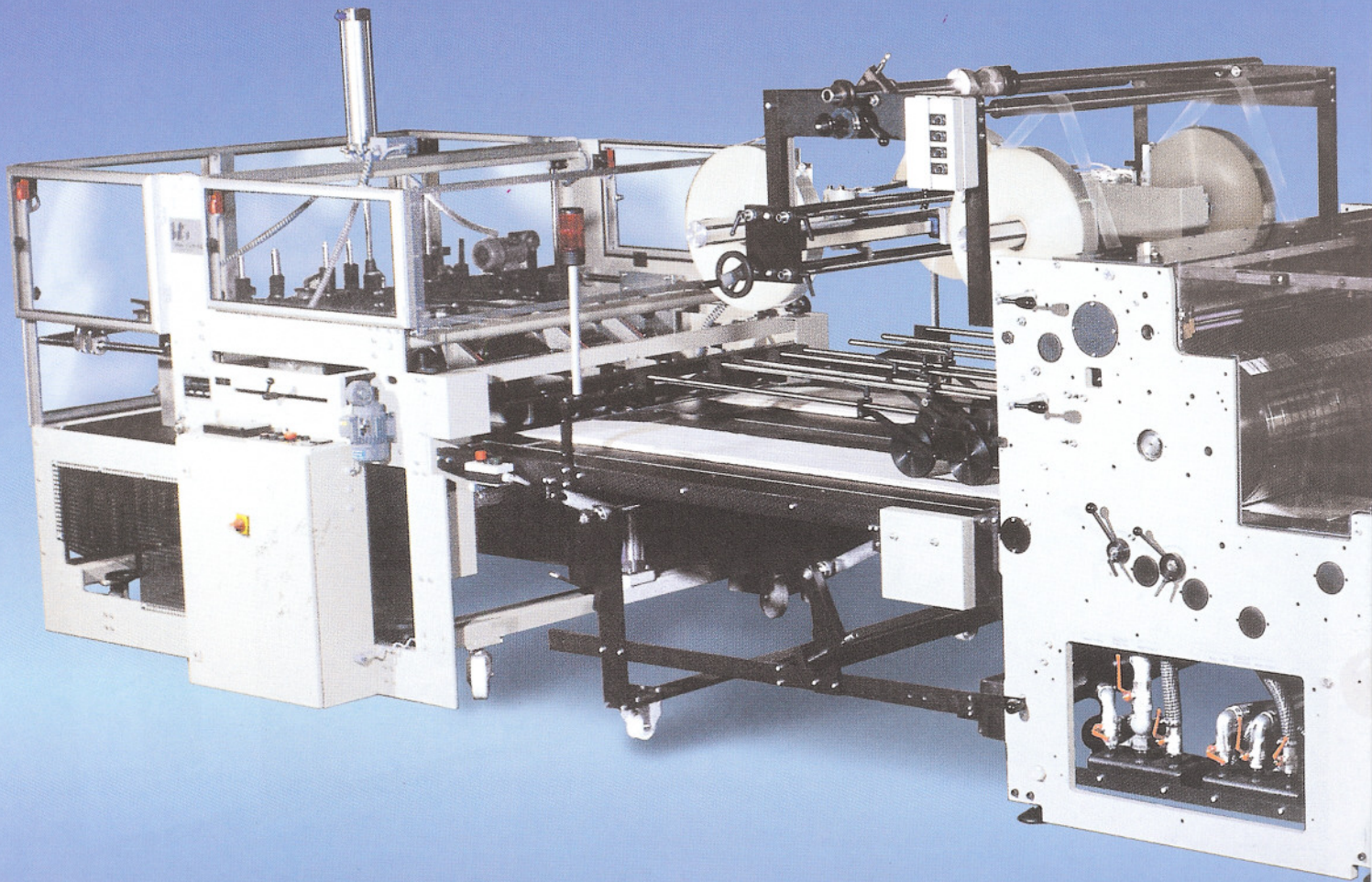
Heiber + Schröder

# Rotary window patching and lining machines Series WP matic



# Flexible technology for flexible markets in windowing. And more.

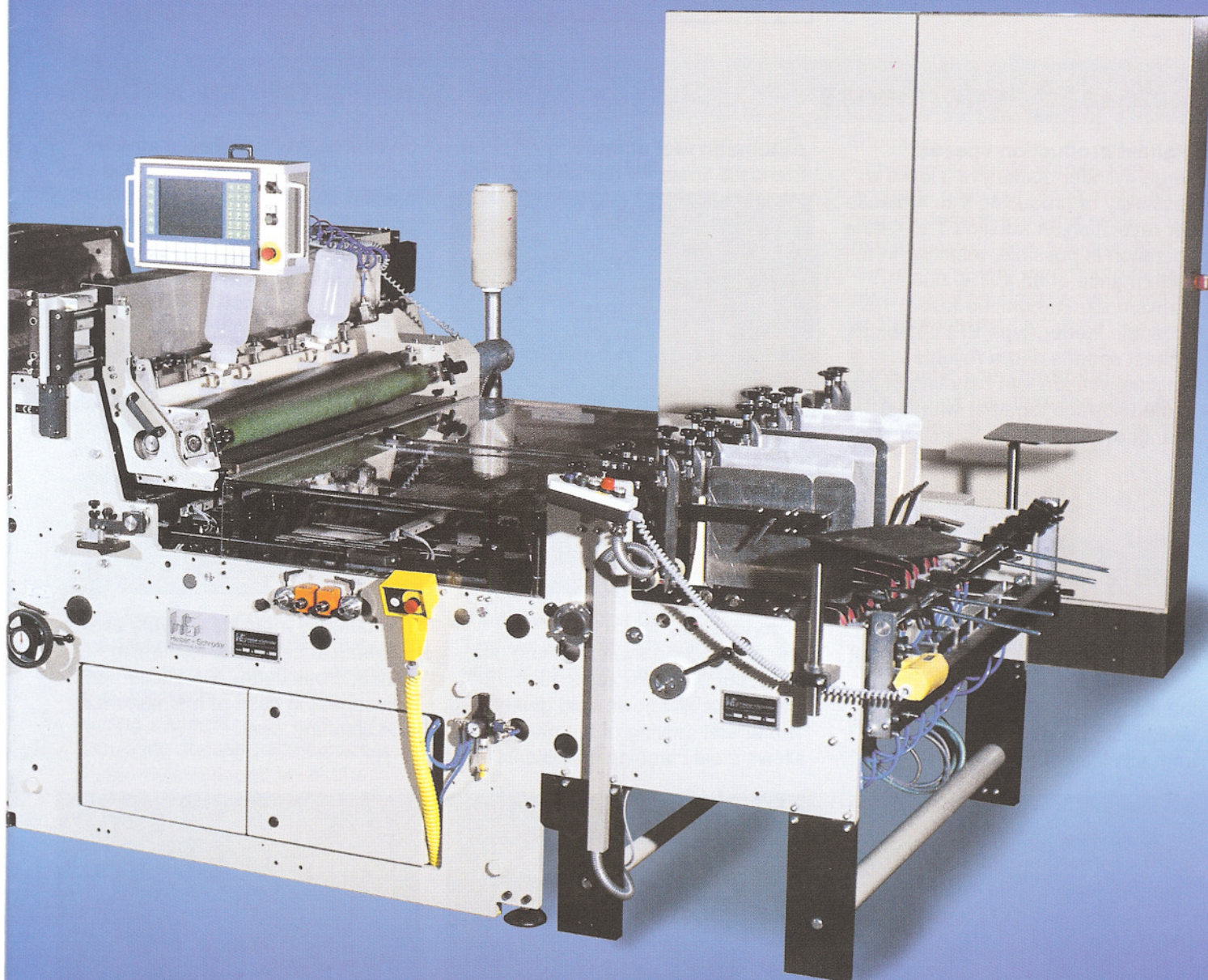
For tasks of today and tomorrow. For all cases.  
For you to stay flexible. And economically in shape.



(on this photo with stacker, series AS and special unwind)

Our technology is your advantage

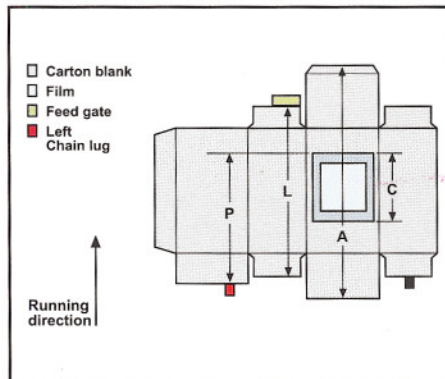
If this is what you need, we have the many solutions:  
 The new range WP 800 / 1100 / 1400 matic.  
 Automatically better.  
 Be it a high-speed production line for standard windowing  
 or a special conversion of additional modules.



# WP matic = Economy by Productivity

## Minimum make readies

**Computer-controlled adjustment** from feeder to delivery. For all length relevant elements. Simple digital input of window length (C), window position (P), and format length (A). All control units can be adjusted by push button during the run.



## Storage of set-up data

All set-up data can be stored for each order under any number. Repeat orders can be retrieved in a matter of seconds.

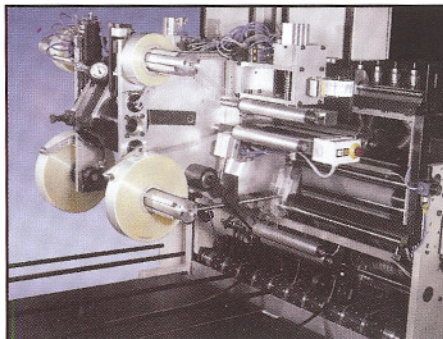
## Increased performance

### Highest production speeds

Large cylinder diameters allow the possibility of producing 1 to 4 blanks per revolution, in addition 1 to 4 lane operation is possible, resulting in a performance of up to 120,000 blanks/hour. The unique fast eccentric feeder (type EF) combines highest speeds and a reliable function with smooth handling of the printed surface together with fast changeovers.

### Automatic reel change

Standstill times for reel changes can



be eliminated by a special device (option). To ensure constant web tension during wheel change the brake is automatically controlled.

### High performance cross cutter

Safe cutting of hard films during multiple lane operation with minimum knife wear is guaranteed by a new structural concept of the cross cutter even at highest speeds.

## Operator friendliness

### Clear text fault reports

Fault reports are written in clear text on the central control panel which, thanks to its movable pendent design can be reached comfortably from all sides of the machine.

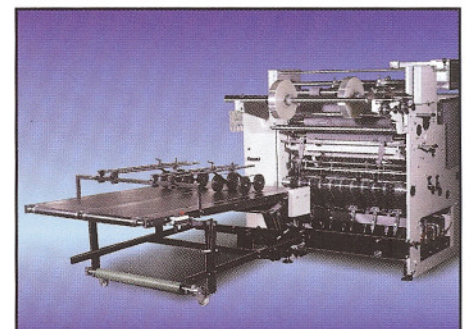
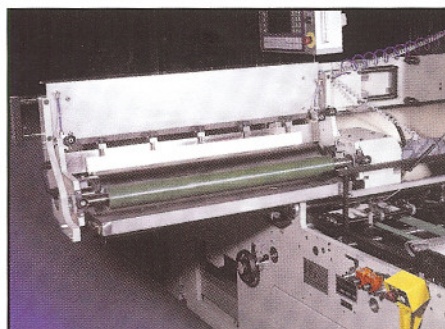
### Fault supervision

Smart sensors supervise the fault free transition of each blank from the feeder to the delivery.

### Ergonomics

The unique twin system gluing unit offers the optimum application method for all known cold glues. The lateral moving of the gluing unit allows ideal cleaning conditions.

The laterally movable delivery allows optimum accessibility to the film infeed, cross cutter and suction belt adjustment in case of maintenance and cleaning work.



## Reduced downtimes

### Less maintenance required

The standard version of the machine is driven directly by 6 servo-motors, controlled via Siemens high performance SPS and a modern databus system. Mechanical power transmissions are reduced to a minimum, resulting in less maintenance.

### Telediagnostics and service

A modem connection allows a quick fault diagnosis and service via the H+S hotline. Approx. 200 parameters are permanently monitored by the electronics and the last 2000 fault reports are automatically logged.

### Film drive

Electrical current	09 A	
Heat sink temperature	32° C	
Motor temperature	68° C	
Rate of utilization	43 %	

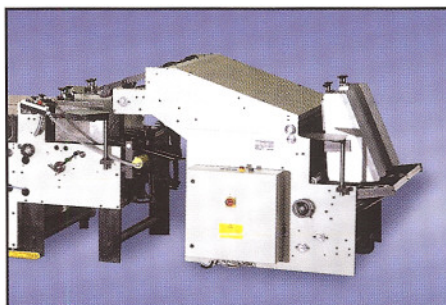
## Manual handling minimized

Numerous components are offered for the basic machine which either allow high production outputs without increasing personnel or make possible the interconnection of pre- and after-work processes. All components are movable on wheels.

### Pre-feeder

Pre-feeders of the series PF can be delivered in 1-lane to 4-lane layout and allow pile heights of up to 600 mm. In addition, we offer pile turning and pile feeding stations which

process blank piles (print up) taken from a conveyor belt.



### Stacker

The stacker builds counted and accurate piles out of the shingled stream coming from the basic machine which are delivered to a conveyor system (see photo of main machine). The stacker can function in 1 to 4 lanes.

### Automatic transfer station

This station transfers the shingled stream to the feeder of a following folding box gluing machine.

## Feeder options

### Eccentric feeder type EF

The fast eccentric feeder - unique of its kind - (see photo main machine) is supplemented by additional feeding systems.

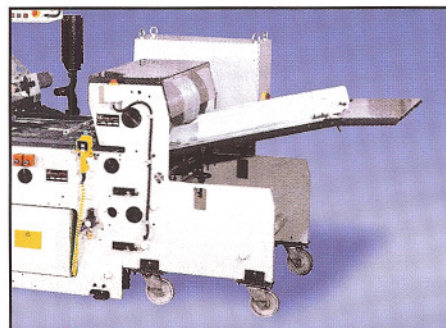
Oscillating suction belts ensure a unique quick separation of the blanks with maximum protection of the printed surface. Suitable for both cardboard and corrugated.

### Timed belt feeder type BF

Separation is carried out by oscillating pile lifters. This feeder offers highest flexibility with regard to blank shapes. Suitable for both cardboard and corrugated.

### Disc feeder type DF

This feeder is the cheapest feeder alternative. Suitable for cardboard.



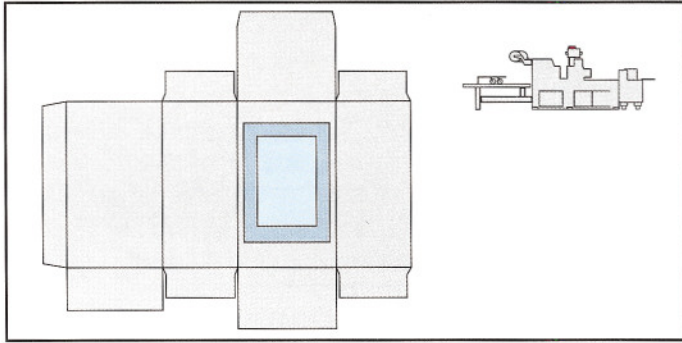
### Rotary suction feeder type RF

This feeder is suitable for blanks which due to their shape cannot be separated by belt or disc feeder, or for blanks with an extremely sensitive surface.

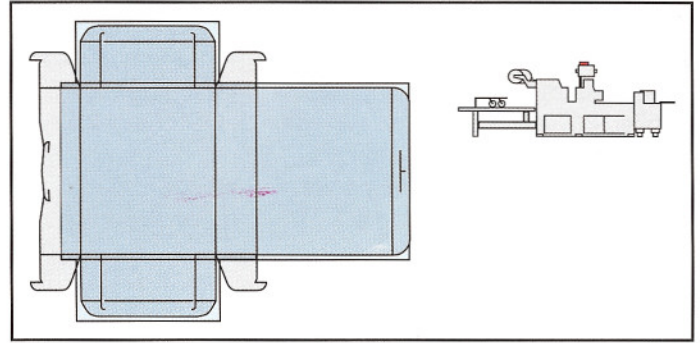


# WP matic = Economy by flexibility

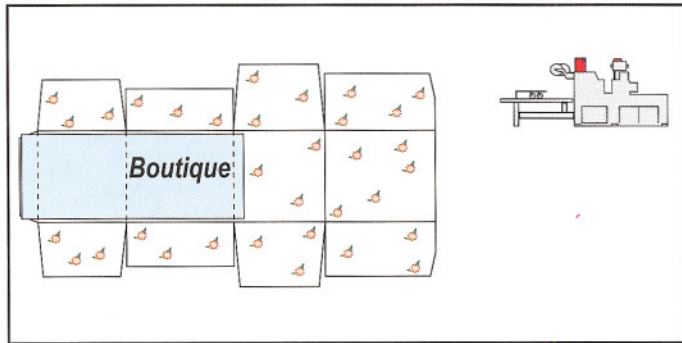
Steadily growing product innovations require flexible production possibilities. The modular system of the WP matic offers an unprecedented variety of options.



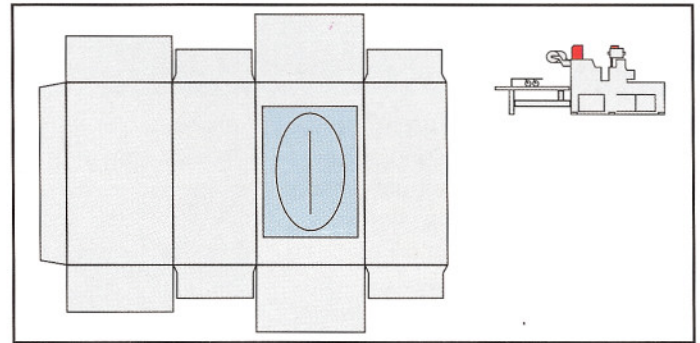
Folding box with normal window



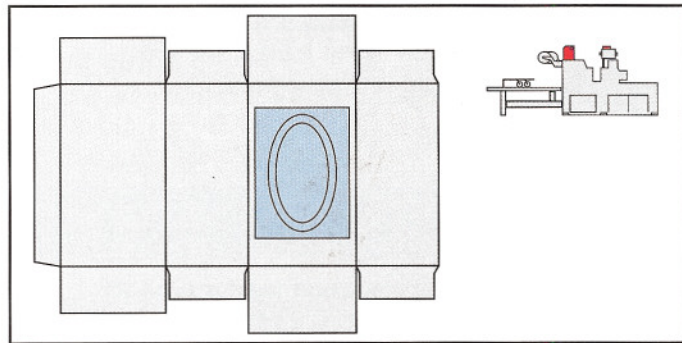
Folding box with liner



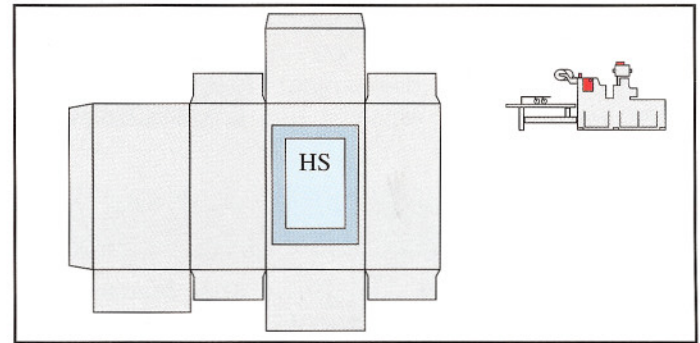
Window with lengthwise perforation or cut



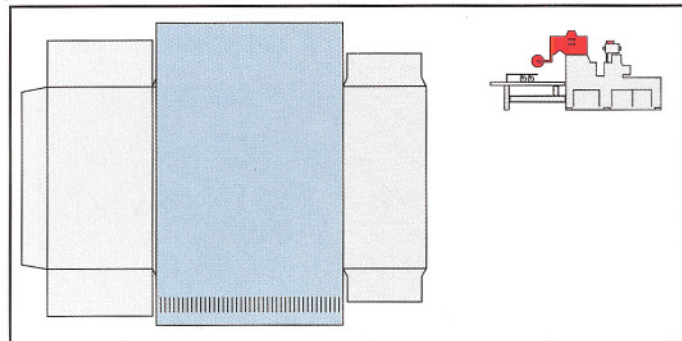
Window with intermittent cut



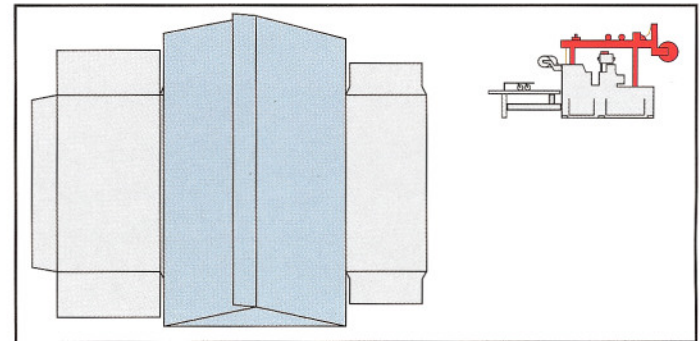
Window with shape perforation or shape cut



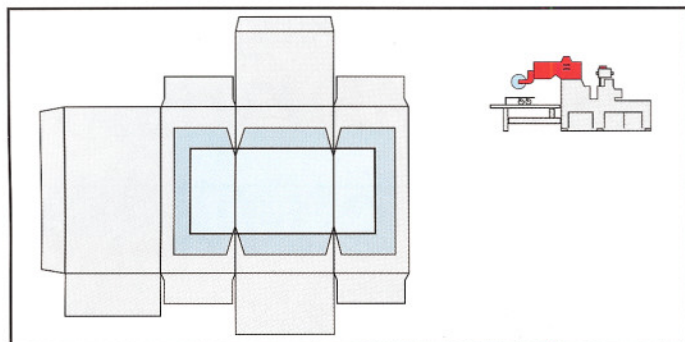
Window cut from preprinted reel with register mark control



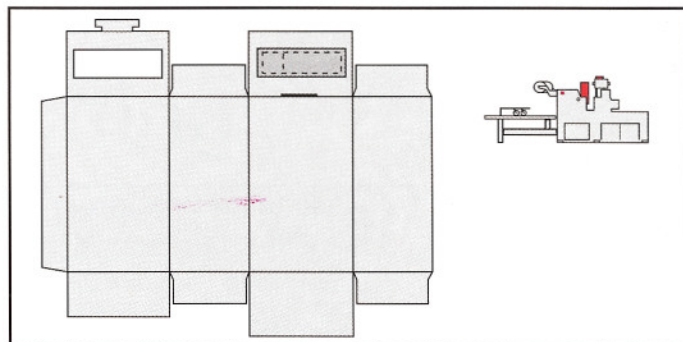
Preformed tube with cross seal, tube material coming from the reel, cross sealing made on the window patching machine.



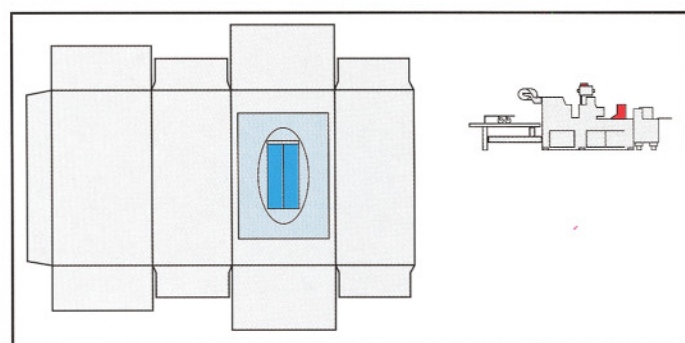
Fin-sealed inner tube



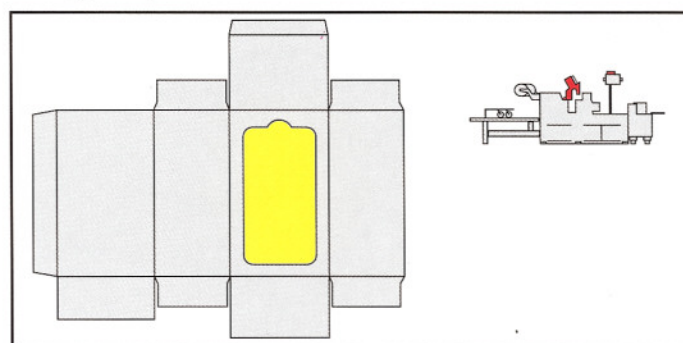
Window with pre-heated creasing lengthwise and shaped die cut



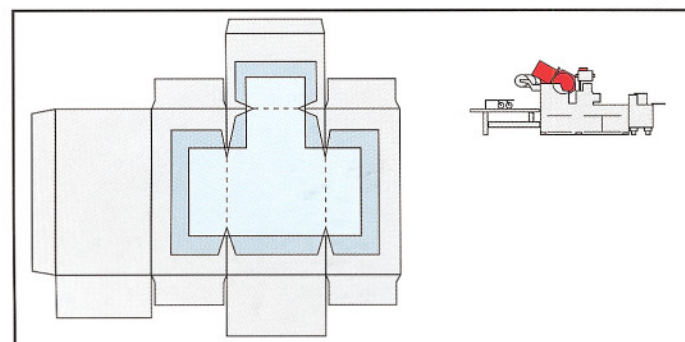
Folding box with handle, applied in cross direction or at angles up to 45° to the lateral axis



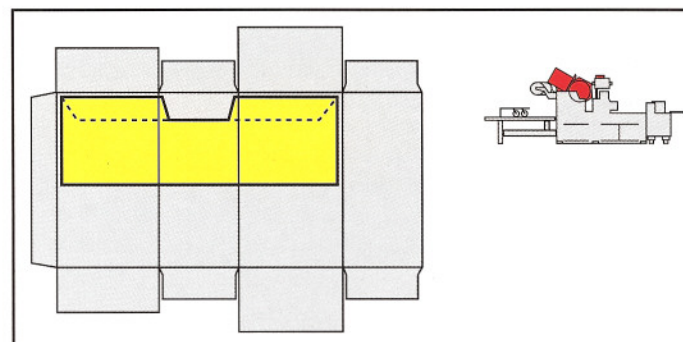
Insertion of coupons



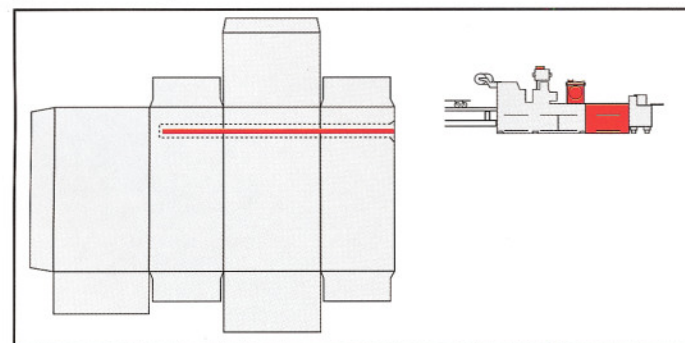
Blank to blank application (up to DIN A3 size, paper from 60 to 200 g/m<sup>2</sup>)



Shape cut window coming from the pile (model WPC)



Reinforcing elements and collars (model WPC)

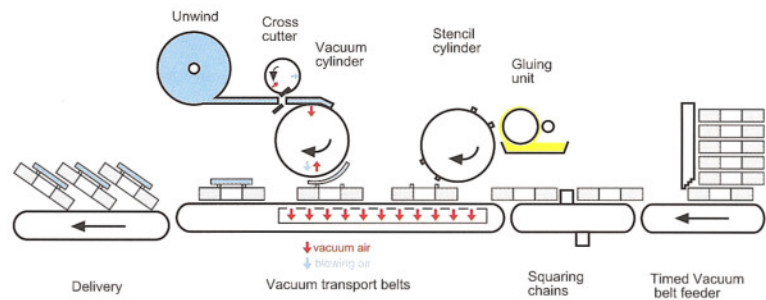
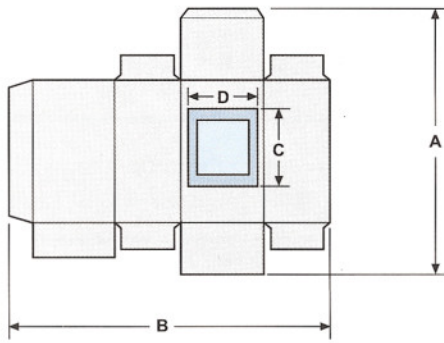


Folding box with tear tape



Additional equipment on demand.  
We also develop special equipment for you!

## Technical Data



<b>Material calliper</b>		Disc feeder: Paper and cardboard from 180 g/m <sup>2</sup> - 600 g/m <sup>2</sup> All other feeders: 250 g/m <sup>2</sup> to 800 g/m <sup>2</sup> , F, E- and B-flute up to 5 mm thickness					
<b>Machine type</b>		single lane operation			double lane operation		
		WP800 matic	WP1100 matic	WP1400 matic	WP800-2 matic	WP1100-2 matic	WP1400-2 matic
<b>Size range</b>							
A min	mm	100	100	100	100	100	100
A max	mm	1020	1020	1020	1020	1020	1020
B min	mm	80	80	80	80	80	80
B max	mm	800	1100	1400	360	510	660
C min	mm	60	60	60	60	60	60
C max	mm	720	720	720	720	720	720
D min	mm	30	30	30	30	30	30
D max	mm	540	840	1140	230	380	530
<b>Output</b>							
Length A	Blanks/ below 350 mm min.	500	500	500	1000	1000	1000
Length A	Blanks/ below 560 mm min.	335	335	335	670	670	670
Length A	Blanks/ above 560 mm min.	165	165	165	330	330	330
<b>Dimensions</b>							
Length	mm	5660	5660	5660	5660	5660	5660
Width	mm	1600	1900	2200	1600	1900	2200

Technical data depending on quality and shape of blanks. Min and/or max indications may not be accommodated if they coincide in the same blank. Technical data subject to change.

Output figures for 4-up operation and 3-lane and 4-lane operation on request.

## Our manufacturing programme

- Window patching and lining machines
- Blank to blank patching machines
- Sleeve making machines
- Letter file making machines
- Special machines for carton and foil handling
- Carton erecting machines

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