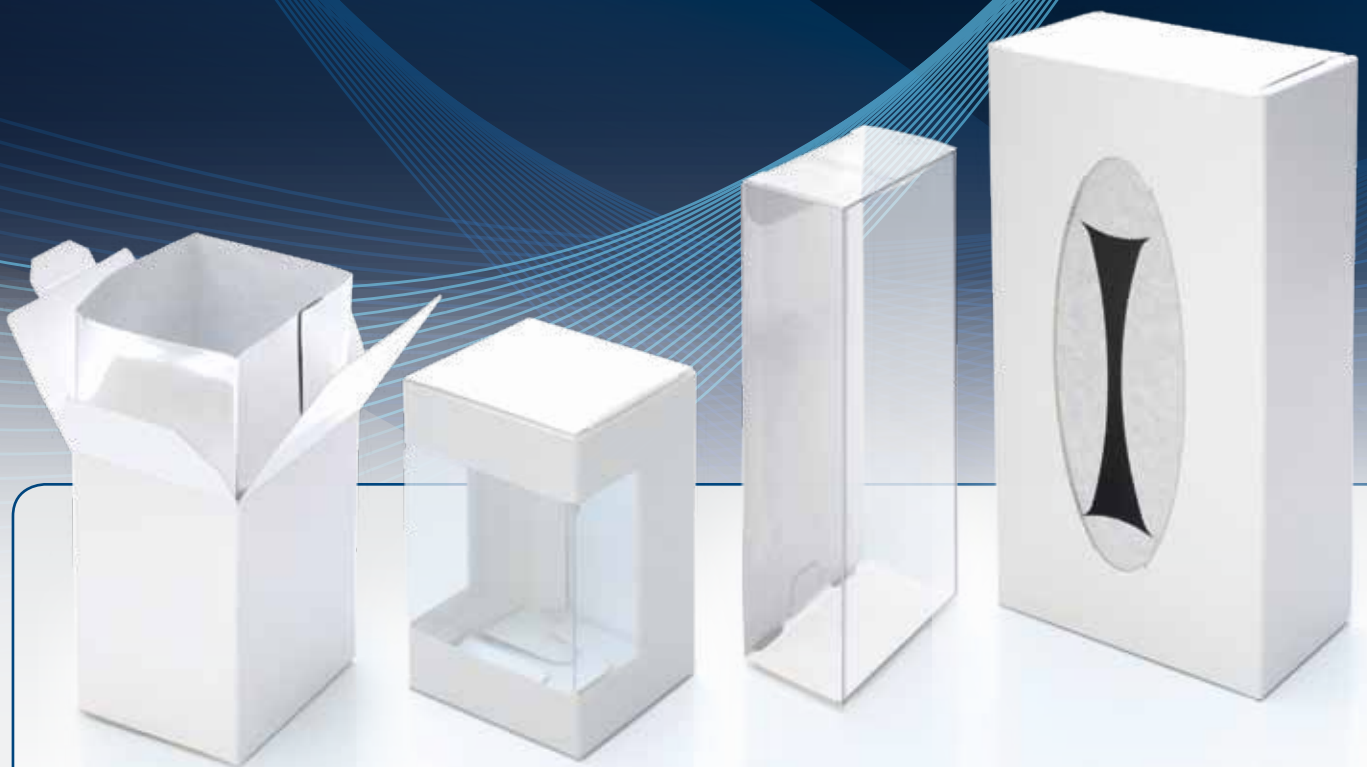


**ROTARY WINDOW PATCHING
AND LINING MACHINE**
WP master



WP master = THE MACHINE THAT THINKS FOR ITSELF

Net output matters

Buying a Formula 1 racing car does not on its own guarantee fast lap times. Only the combination of a great vehicle and a superb driver can deliver that.

Where speed and functionality are concerned, the HEIBER + SCHRÖDER WP master leads the market in state-of-the-art technology. Its intelligent operating panel, with integrated video support, makes it unique, and offers the customer extra value by simultaneously being driver, trainer, adviser, and library. The WP master is your way to produce more efficiently – every day.

OPERATING PANEL

- Video supported setting of the machine
- Picture supported library for repeat orders
- Production statistics and, optional, production data acquisition
- Picture supported error messages
- Video and picture supported help system
- Modem connection for service and updates
- Camera for picture supported communication with HEIBER + SCHRÖDER
- 3D visualized spare parts directory
- Automatic maintenance alerts
- Digital operating manual

FEEDER

- Up to 4 different run modes
- Ideal feeding technology for each blank form and each type of material
- Electronically controlled, with lifter-free timing and automatic self-monitoring
- Feeding length adjustment via Teach-In button
- It's not possible to feed more easily!

GLUING UNIT

- Cleaning in 2 minutes, or less, by means of the integrated cleaning system

SUCTION CYLINDERS

- Chemically nickel plated
- Tooled steel inserts for suction holes
- Cleanser-resistant
- Minimal wear
- Minimal risk of scratches on the film

PATENTED MONO-SUCTION BELT

- Ensures excellent flatness of the blanks (even when curved) and the best application tolerance for the film, both in the running direction and laterally.
- Maintenance-free air suction system.

DRIVE TECHNOLOGY

- The latest generation, maintenance-free, servo motors drive all rotating elements and are power consumption optimized.



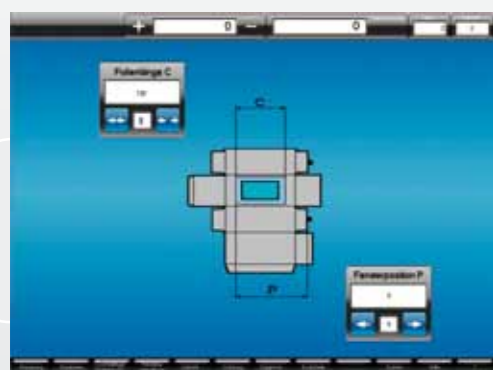
WP master

CONTROLLABILITY

The basic requirement for efficient production is the controllability of the machine.

The unique HEIBER + SCHRÖDER video support helps even untrained personnel to adjust and operate the machine efficiently and safely.

An extensive library, including photos, diagrams, and videos, provides operators with support in case of questions and problems. Automatic notification reminds the personnel when maintenance is due.



BLANK

The input of the three main blank parameters sets automatically all functions in the running direction and all sensors.

RECIPE MANAGEMENT

The machine can be set automatically by using recipes. In addition, descriptions and photos can be saved when recording special settings.



SPARE PARTS SUPPORT AND CAMERA

All spare parts can be identified by means of 3D exploded images, reducing production stops to a minimum.

A movable camera facilitates communication with the user's national service team, or HEIBER + SCHRÖDER support.



Integrated Manufacturing

Additional modules can create an automatic work flow between your die cutters, your WP master, and your folder-glueers, reducing manpower and considerably reducing production costs.



Pre-Feeder

PF series pre-feeders handle pile heights of up to 600 mm, and are available in one and multiple lane versions. Movable on wheels, these pre-feeders are easy to combine with any window patching machine.

Automatic Stacker

Placed behind the window patcher, the stacker builds accurately counted piles of windowed blanks and delivers them to a subsequent conveyor system.



Automatic Reel Change

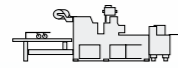
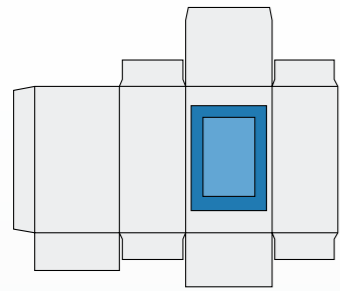
By means of the optional patented HEIBER + SCHRÖDER splicers, standstill times for reel changes can be eliminated. Automatic brakes and dancer rollers ensure constant tension control during both production and reel changes.

Transfer Components

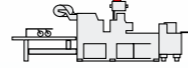
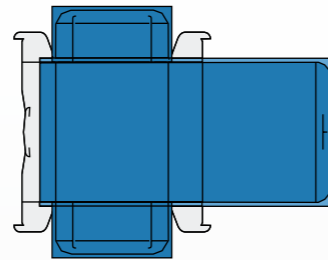
A wide range of components are available to meet customers' requirements of automatic transportation to and from the windowing machine.

- | | |
|---------------------|--|
| Load conveyor | For manual load of piles |
| Pile turner | For automatic turning of piles upside down |
| Pile infeed | For automatic transportation of piles into a pre-feeder |
| Transfer conveyor | For automatic horizontal transportation of piles including buffer functions |
| Handling components | For handling tasks like: <ul style="list-style-type: none"> • Two lanes to one • One lane to two • 90° direction changes • Pile rotation |

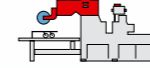
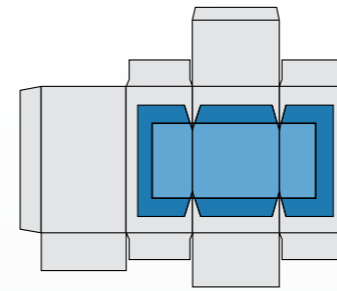




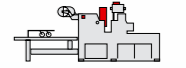
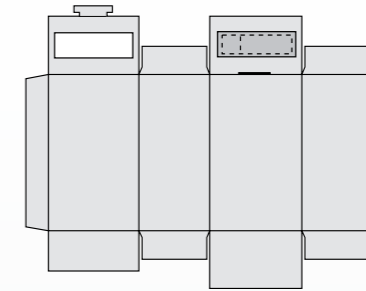
Folding box with normal window



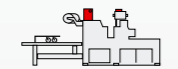
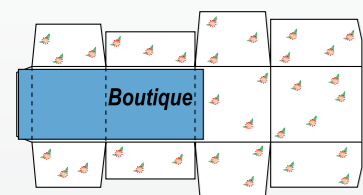
Folding box with liner



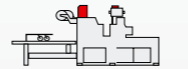
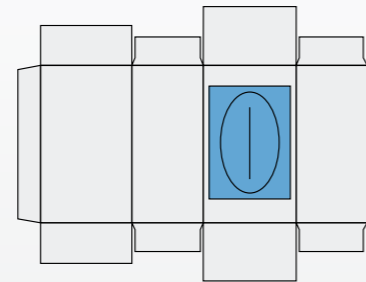
Window with pre-heated creasing lengthwise and shaped die cut



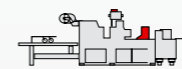
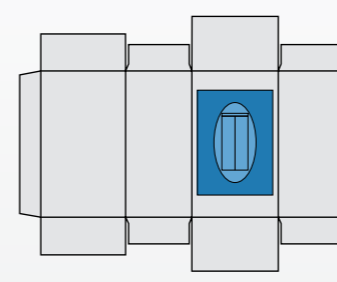
Folding box with handle, applied in cross direction or at angles up to 45° to the lateral axis.



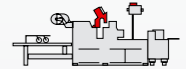
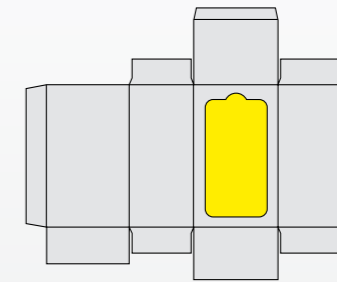
Window with lengthwise perforation



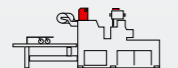
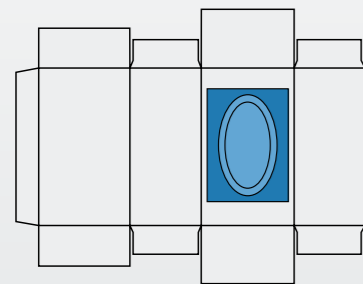
Window with intermittent cut



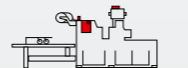
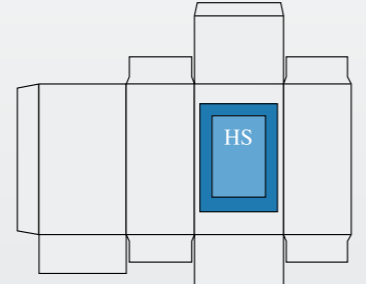
Insertion of coupons



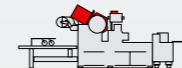
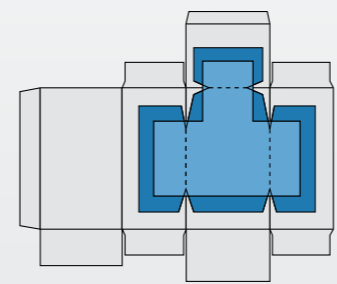
Blank to blank application (up to DIN A3 size, paper form 60 to 200 g/m²)



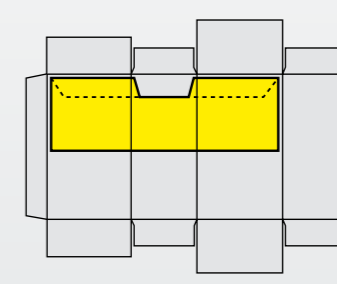
Window with shape perforation or shape cut



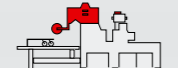
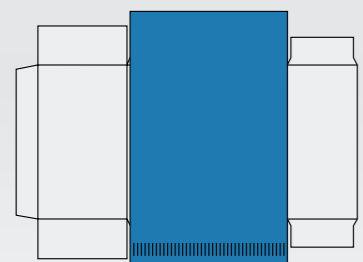
Window cut from pre-printed reel with register mark control



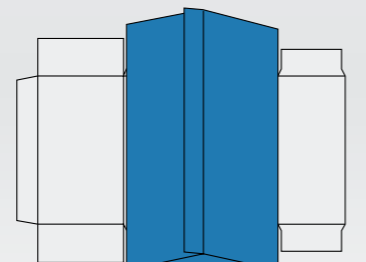
Shape cut window coming from the pile



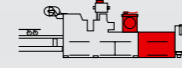
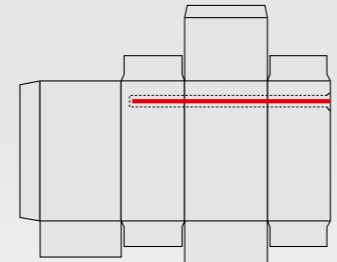
Reinforcing elements and collars



Pre-formed tube with cross seal tube material coming from the reel, cross sealing made on the window patching machine



Pre-sealed inner tube



Folding box with tear tape

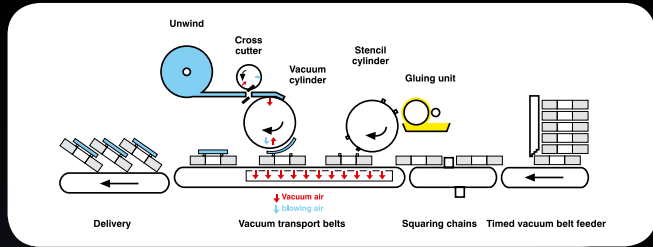


Additional equipment on demand. We also develop special equipment for you!

Continuous product innovation requires flexible manufacturing capabilities. With the modular concept of the WP master you are able to develop new ideas over and over again and to produce them efficiently. Installed machines can be retrofitted without difficulty and so can be adapted to new production conditions.

Units for integration into cartonboard folder-glueers or inline processing machines complete the HEIBER + SCHRÖDER range.

TECHNICAL DATA



WP1100 master

WP1400 master

Format Range	Single Lane Operation	Double Lane Operation	Single Lane Operation	Double Lane Operation
	Blank length 100 – 1180 mm 3 15/16" – 46 1/2" Optional: 100 – 1260 mm 3 15/16" – 49 5/8"	Blank length 100 – 1180 mm 3 15/16" – 46 1/2" Optional: 100 – 1260 mm 3 15/16" – 49 5/8"	Blank length 100 – 1180 mm 3 15/16" – 46 1/2" Optional: 100 – 1260 mm 3 15/16" – 49 5/8"	Blank length 100 – 1180 mm 3 15/16" – 46 1/2" Optional: 100 – 1260 mm 3 15/16" – 49 5/8"
	Blank width 80 – 1100 mm 3 1/8" – 43 5/16"	Blank width 80 – 520 mm 3 1/8" – 20 3/8"	Blank width 80 – 1400 mm 3 1/8" – 55 1/8"	Blank width 80 – 670 mm 3 1/8" – 26 3/8"
	Window length 55 – 720 mm 2 1/8" – 28 3/8" Optional: 55 – 900 mm 2 1/8" – 35 7/16"	Window length 55 – 720 mm 2 1/8" – 28 3/8" Optional: 55 – 900 mm 2 1/8" – 35 7/16"	Window length 55 – 720 mm 2 1/8" – 28 3/8" Optional: 55 – 900 mm 2 1/8" – 35 7/16"	Window length 55 – 720 mm 2 1/8" – 28 3/8" Optional: 55 – 900 mm 2 1/8" – 35 7/16"
	Window width 30 – 940 mm 1 3/16" – 37"	Window width 30 – 440 mm 1 3/16" – 17 5/16" (depending on window position)	Window width 30 – 1240 mm 1 3/16" – 48 13/16"	Window width 30 – 590 mm 1 3/16" – 23 3/16" (depending on window position)

Material caliper

Paper and cardboard 250 g/m² to 800 g/m², corrugated up to 5 mm

Output (depending on blank length)

Blank length below 265 mm
 Blank length below 360 mm
 Blank length below 570 mm
 Blank length over 570 mm

1 lane

40,000 Pcs / hour
 36,000 Pcs / hour
 24,000 Pcs / hour
 12,000 Pcs / hour

2 lanes

80,000 Pcs / hour
 72,000 Pcs / hour
 48,000 Pcs / hour
 24,000 Pcs / hour

Output for 3 and 4 lane operation on demand

Dimensions (Basic machine)

Length 5,840 mm

Width 2,510 mm (WP1400 master)
 2,210 mm (WP1100 master)

This technical data represents maximum values and is dependent upon the quality of material and blank formats. Maximum and / or minimum indications cannot be accommodated if they coincide in the same blank. Subject to constructional alterations.

Our manufacturing program

- Window patching and lining machines
- Pick-and-place machines
- Pre-feeders
- Automatic stackers
- Transportation units for blank piles

- Carton erecting machines
- Film dispenser carton machines
- Length cutting and rewinding machines for window material
- Special machines for carton and foil handling