

WP PROLINER

**ROTARY WINDOW PATCHING
AND LINING MACHINES**



HS HEIBER +
SCHRÖDER

Made in Germany

FLEXIBLE TECHNOLOGY FOR FLEXIBLE MARKETS. WINDOW PATCHING AND MORE

1 SUCTION CYLINDER

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

2 FEEDER

- *Electronically controlled timed belt feeder series BFP. A further development of the most sold feeder in the world (Series BF)*
- *Automatic compensation of the feeder timing in case of changing friction or belt wear*
- *Feeding length adjustment via teach-in button with only one blank. It does not get any easier*

3 GLUING UNIT

- *Cleaning in two minutes by means of the integrated cleaning system*
- *Full splash guard*

4 GRAPHIC USER GUIDANCE VIA TOUCH PANEL

- *Film length adjustment via digital input, and during machine operation*
- *Automatic position alignment of cutting cylinder, suction cylinder in case of cycle change and change of film length reduces set-up times*
- *Defined machine stop position avoids operating errors and reduces standstill times*

5 PATENTED MONO-SUCTION BELT

- *Ensures excellent flatness of the blanks (even when curved). The best application tolerance for the film, both in running and lateral direction*
- *Maintenance-free air suction system*
- *(no vacuum channels or filters)*

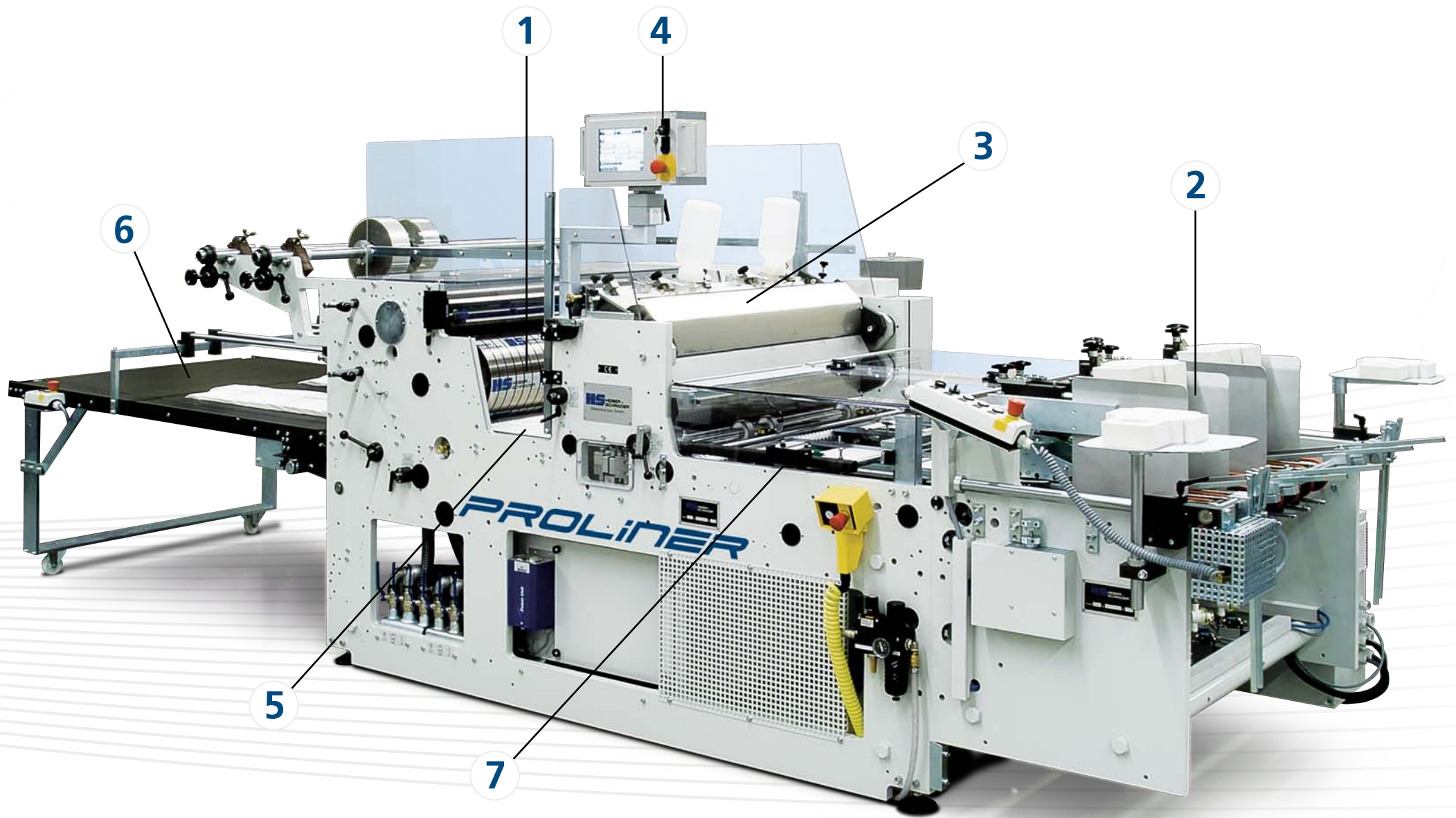
6 DELIVERY

- *Laterally movable delivery ensures better ergonomics when mounting heavy film reels or working on the cutting station*

7 CHAIN STATION

- *Intelligent adjustment-free jam monitoring, safe and time saving*





PROLINER

SHORT AND SIMPLE MAKE-READIES

PROCESSOR CONTROLLED TIMED FEEDER

Timed belt feeder Series BFP, with automatic blank length adjustment via teach-in function.

The adjustment can be made with only one blank.

DIGITAL SETTING OF THE FILM CUTTING LENGTH AND SERVO DRIVEN CROSS CUTTER

For short make-readies

CLEANING BOX

For cleaning of the gluing unit, in two minutes.

HIGH PERFORMANCE

PATENTED MONO-BELT VACUUM BLANK TRANSPORT FOR ONE OR TWO LANE OPERATION, ENSURES EXCELLENT FLATNESS OF THE BLANKS EVEN WHEN CURVED.

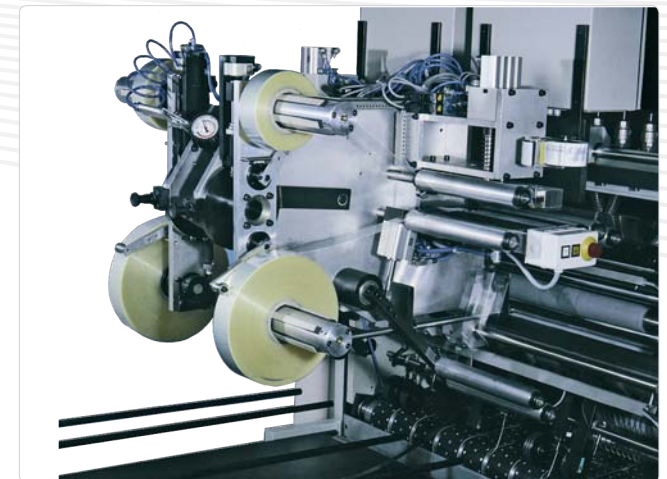
The system operates without vacuum channels, tubes, filters and eliminates maintenance.

AUTOMATIC REEL CHANGE

Standstill times for reel change can be eliminated by a patented H+S splicer system (option). Constant web tension during operation and reel change is provided by automatically controlled brakes and dancer rollers.

HIGH PERFORMANCE STATIC DISCHARGE SYSTEM FOR FILM MATERIAL

Allows smooth operation even for film material with critical static load.



INTEGRATED MANUFACTURING

H+S OFFERS COMPONENTS FOR AN AUTOMATIC WORK FLOW, BETWEEN DIE CUTTING AND LENGTH FOLDING PROCESS, WHICH REDUCES MANPOWER.

PRE-FEEDER

Placed in front of a window patcher, pre-feeders of the series PF will handle pile heights of up to 600 mm, available in one- and two-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.

TRANSFER COMPONENTS

A WIDE RANGE OF COMPONENTS ARE AVAILABLE TO MEET CUSTOMERS' REQUIREMENTS OF AUTOMATIC TRANSPORTATION TO AND FROM THE WINDOW PATCHING MACHINE

LOAD CONVEYOR

For manual load of piles

PILE TURNER

For automatic turning of piles upside down

PILE INFEEED

For automatic transportation of piles into a pre-feeder

TRANSFER CONVEYOR

For automatic horizontal transportation of piles including buffer functions

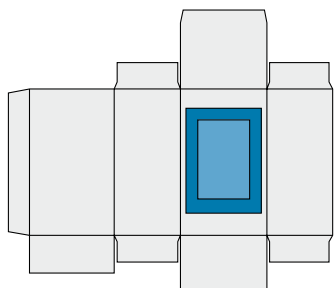
HANDLING COMPONENTS

For handling tasks like:

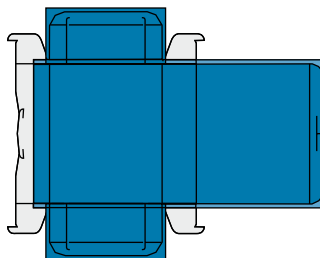
- Two lanes to one
- One lane to two
- 90° direction changes
- Pile rotation



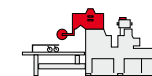
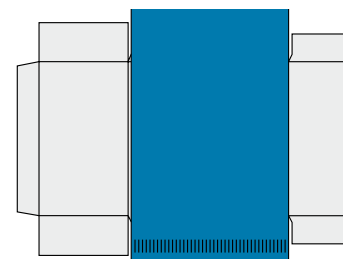
H+S = EFFICIENCY BY FLEXIBILITY



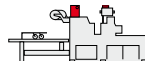
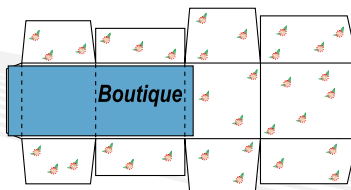
Folding box with normal window



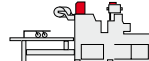
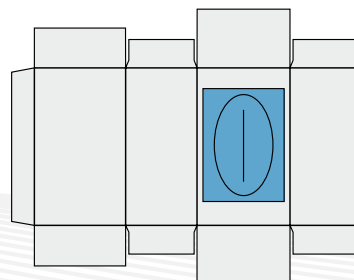
Folding box with liner



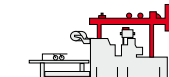
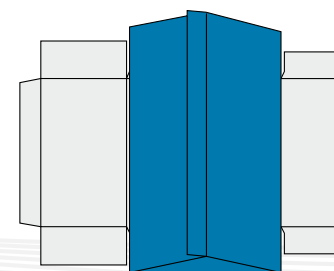
Pre-formed tube with cross seal tube material coming from the reel, cross sealing made on the window patching machine



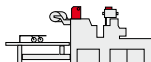
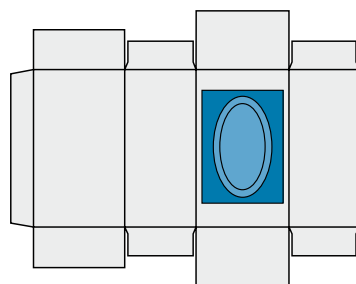
Window with lengthwise perforation



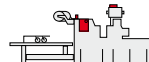
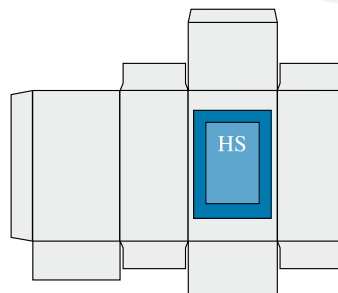
Window with intermittent cut



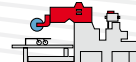
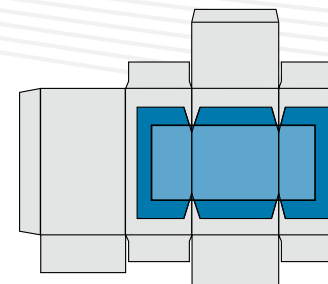
Pre-sealed inner tube



Window with shape perforation or shape cut

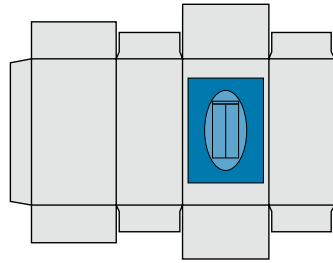


Window cut from pre-printed reel with register mark control

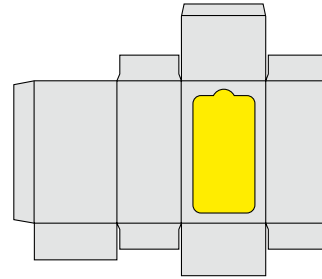
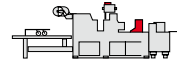


Window with pre-heated creasing lengthwise and shaped die cut

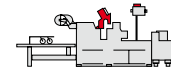
PROLINER



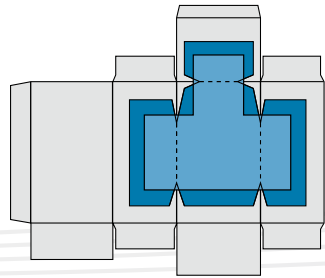
Insertion of coupons



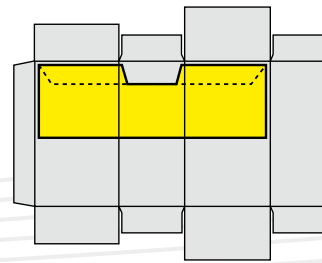
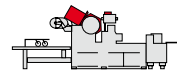
Blank to blank application (up to DIN A3 size,
paper form 60 to 200 g/m²)



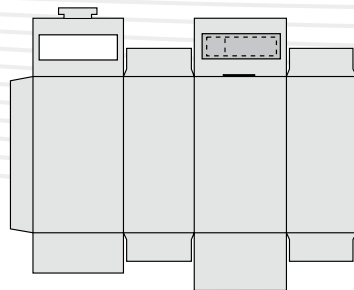
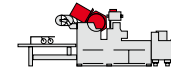
Additional equipment on demand.
We also develop special equipment for
you!



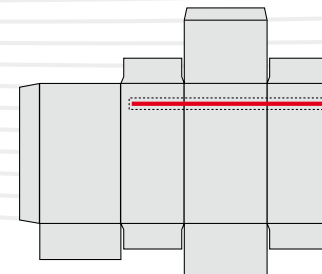
Shape cut window coming from the pile



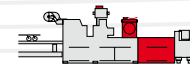
Reinforcing elements and collars



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



Folding box with tear tape



The modular concept of the
WP PROLINER offers flexible manufacturing capabilities for continuous
product innovation.

WP PROLINER
FORMAT RANGE **SINGLE LANE** **DOUBLE LANE**
 Operation Operation

	Blank length 80 – 800 mm 3 1/8" – 31 1/2"	Blank length 80 – 800 mm 3 1/8" – 31 1/2"
	Blank width 80 – 1100 mm 3 1/8" – 43 1/4"	Blank width 80 – 530 mm 3 1/8" – 20 7/8"
	Window length 40 – 560 mm 1 9/16" – 22"	Window length 40 – 560 mm 1 9/16" – 22"
	Window width 30 – 940 mm 1 3/16" – 37"	Window width 30 – 364 mm 1 3/16" – 16 1/3"

MATERIAL CALIPER Paper and cardboard 220 g/m² to 600 g/m²,
 corrugated up to 5 mm

OUTPUT (depending on blank length)	1 lane	2 lanes
Blank length below 230 mm - 9 1/16"	36.000 Pcs / hour	72.000 Pcs / hour
Blank length below 370 mm - 14 9/16"	24.000 Pcs / hour	48.000 Pcs / hour
Blank length over 370 mm - 14 9/16"	12.000 Pcs / hour	24.000 Pcs / hour

DIMENSIONS (Basic machine) Length 5.500 mm Width 3.000 mm

These technical data represent maximum values and are 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.

V.20160520



WP MASTER

UP TO 80.000 PCS / HOUR



WP SPEEDLINER

UP TO 36.000 PCS / HOUR

OUR MANUFACTURING PROGRAM

- Window patching and lining machines
- Carton erecting machines
- Pick-and-place machines
- Film dispenser carton machines
- Pre-feeders
- Length cutting and rewinding machines for window material
- Automatic stackers
- Special machines for carton and foil handling
- Transportation units for blank piles

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