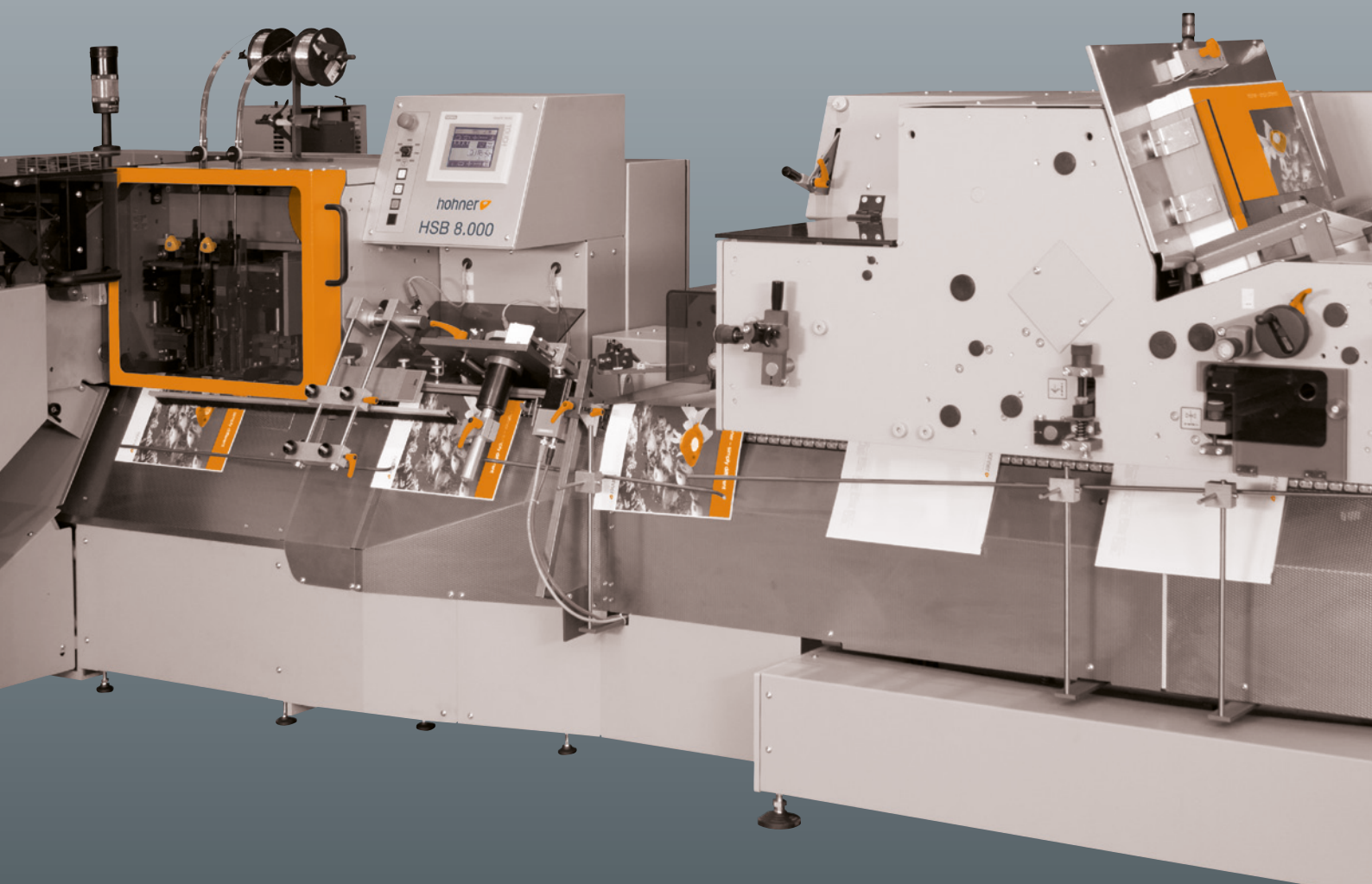


HSB 8.000 – The Toolless One

... because time is money too



Hohner Maschinenbau GmbH

Our obligation to meet your individual needs –

Six good reasons to choose Hohner:



Three generations behind your success

A history developed over three generations cannot be bought, but you can sense and feel it. It is an indirect, daily influence on the spirit of our company.

With over 75 years of experience and success in machine building and over 50 years of specialization in the print finishing and wire stitching arena, Hohner today combine their experience in traditional technology with a forward looking philosophy towards companies entering the saddle stitching sector of the market for the first time, or those who are ready to take the next step towards customized and modular saddle binders. Either way, we guarantee a long term, successful co-operation.

Leader in technology

Dependability and longevity, with the incorporation of quick set-up times and operator friendliness of our products. This is what Hohner Technology in print finishing and expressly in the wire stitching market is all about.

Innovation

Our obligation to meet your needs is at the centre of our philosophy. We have a close co-operation with our existing customers, listening to their specific suggestions from an operator's point of view. Combine this with the expert knowledge of our highly motivated, qualified staff and you create the foundation for ongoing technological development. This is how we ensure that you will always be one step ahead with our products.

Quality

Since the first day of our existence we have set benchmarks in precision and development work. This warrants a quality which, above all, pays off for our customers.

An international distribution network

Keeping in touch with the market is important to us. That is why we offer worldwide availability of our stitching technology combined with expert consultancy from our headquarters in Germany. You can also count on our teams at our companies in China, Spain, UK and USA: We all want you to be satisfied, because your satisfaction is our success.

Service

Individual consultation, flexibility, fast reaction times, long term availability of replacement parts, quick delivery, friendliness, international orientation: all these are much more than catchphrases for us.

We believe these terms are fundamental to the values of a business relationship and you will experience them with us, every day.

HSB 8.000 – The Toolless One

The middle ground – operator friendly & economic



Toolless, semi-automatic, operator friendly & flexible

The HSB 8.000 is the ideal solution if you are looking for a semi-automatic saddle binder for finishing folded sections in small and medium runs. Hidden behind a compact footprint is our “semi-automatic”, well designed and capable of a wide range of formats.

These adjustments for example are now made without tools, a system which is both efficient and operator friendly, reducing setup time; this saddle binder can produce consistent and accurate quality at up to 8000 products per hour with the minimum number of operators.

In addition the HSB 8.000 rises to the occasion, because with its maximum format 365 x 350 mm it's at the head of its class. Even loop stitching is an option, and not a problem.

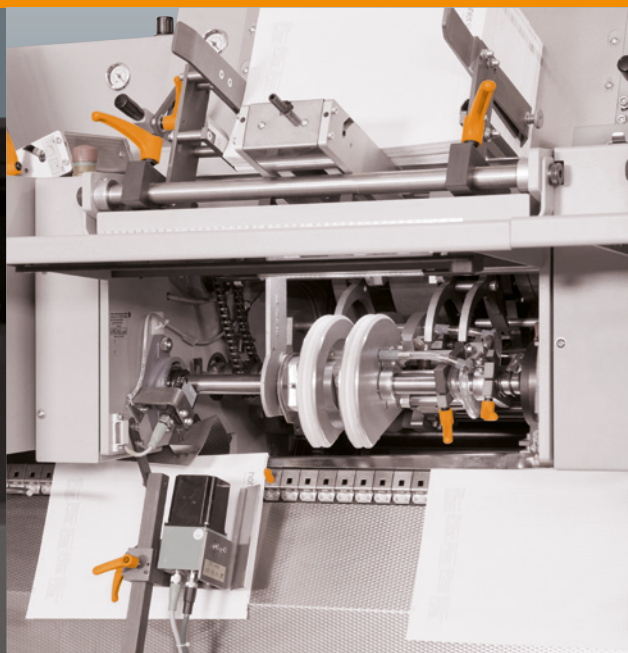
At Hohner your considerations over quality and economy are taken seriously and furthermore have been implemented with easy use for the operator in mind.

The advantages in short:

- Expansion of the system at a later date: a completely modular system which can be expanded to suit your needs as your requirements grow. (options: manual feed stations, up to 8 automatic vertical single feeders, automatic cover feeder, fourth and fifth knives, 2:1 switching mechanism, staple control, compensating stacker and a waste extraction system.)
- Knives combined in a yoke.
- 12 ball screw bearings for high precision guidance and extremely long endurance of the knives.
- No staple displacement due to stitching and staple positioning.
- Compact dimensions with a high performance profile therefore less space required.
- Less personnel required.
- Ergonomic, operator friendly feeder height.

The components in detail:

Vertical feeder



Cover feeder



PLC control

This intelligent technology regulates the smooth operation of all processes in the HSB 8.000: The PLC control makes it possible to switch individual feeders on and off individually, the infinitely variable speed control (500-8000 cycles per hour), a misfeed detector which is setting and maintenance free, a thickness control (optional) as well as an electronic stitch control system (optional).

The PLC also controls the ripple start and ripple finish running of the saddle chain along with total and subtotal counting and batching. Failure reports for malfunctioning electronics, paper jam, faulty sheets, unclosed lids etc. are signalled acoustically, visually by a lamp and also shown in written form on the display.

Intelligence that saves time!

Vertical feeder

Of course vertical feeders are a standard feature and at an ergonomic height designed to make an operator's life easier! This way we can guarantee gentle sheet processing and greater volumes in the feeder. All functions such as switching on or off, setting for different sizes, switching from front to rear grippers or indeed changing to vacuum opening can be performed in seconds without the need for any tools. The opening of the sheets is conducted by an inner and outer drum with grippers and/or suction cups with the option of switching the suction on each individual feeder.

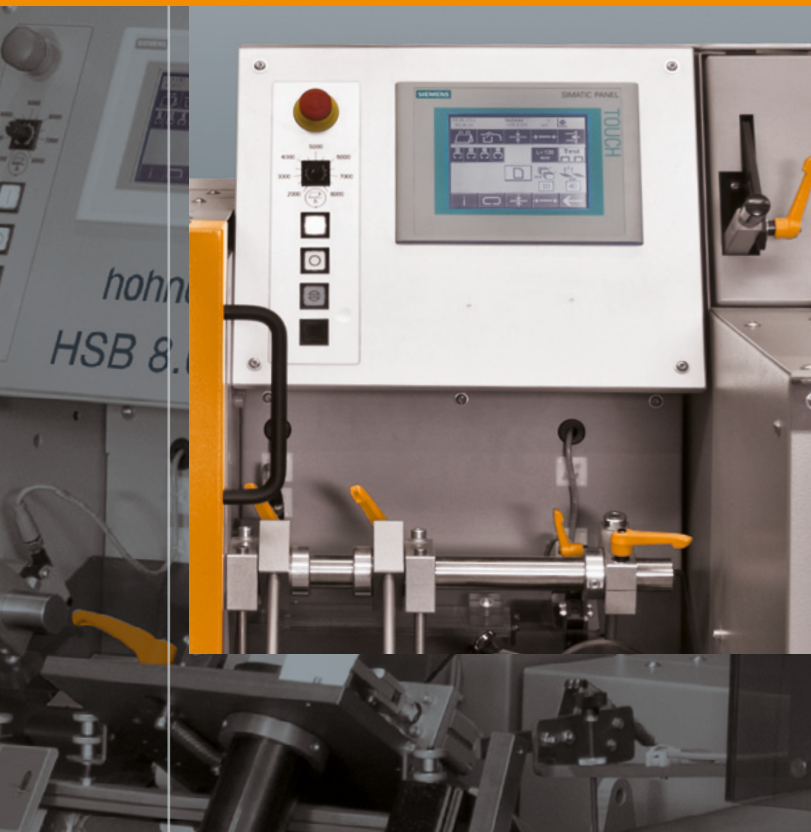
An adjustment/maintenance free signature inspection unit with photocell on the sword is also standard. Toothed belts ensure minimal marking when transporting sheets into the feeder. These hoppers hold an impressive 250mm stack. Specially coated metal surfaces additionally support an almost mark free sheet

transportation during feeding. Individual signature dropping is controlled via a mechanical clutch on the feeder. For Hohner the expression 'operator friendly' is more than just words.

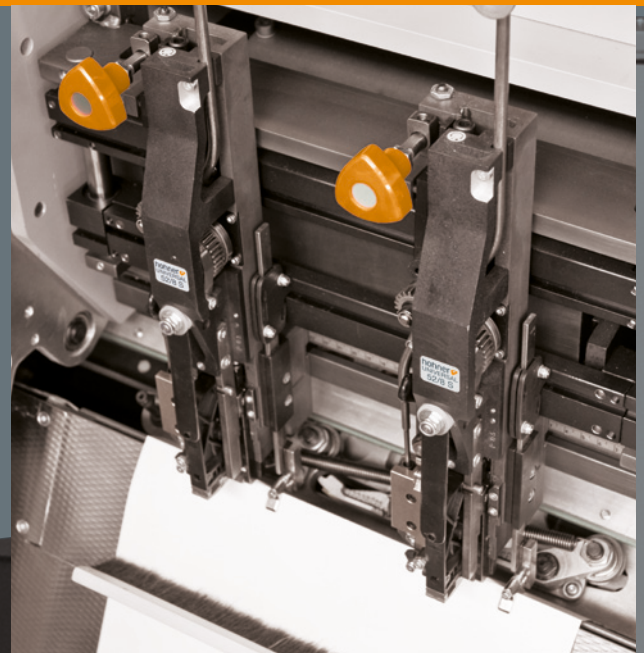
Cover feeder

Our cover feeder further demonstrates the modular nature of the HSB 8.000. This ergonomically designed cover feeder works, for the most part, vertically. It can be loaded with more sheets than horizontal cover feeders; ideal surface protection is guaranteed and feeding runs very smoothly to the inner or outer creasing station for an accurate folding of the cover. Stripes and marks are no longer an issue. The cover folder is leader in its class with a maximum format of 620 x 365 mm (unfolded x spine length). Two pairs of grippers at the feeder drum reduce feeder speed and protect the machine as well as the sheet; an adjustment and maintenance free signature inspection unit with photocell is also standard. The folding and creasing element of the HSB 8.000 is also equipped with a double sheet control and an electronic on/off switch option for the vacuum. Just as with the vertical feeder the drop time of the sheet to the chain can be individually adjusted. The format setting is also toolless in this case for all detailed adjustments, for example setting format, centralization of the complete stack, fine setting of squareness of the crease, switching from inner to outer crease and vice versa, fine setting of the crease pressure, finally adjustment of fold roller pressure. Your quality is important to us!

Touch screen



Stitching unit



Stitching unit

It is a proven fact that you buy experience when you choose any of our stitching heads. Once you combine them with the stitching unit of the HSB 8.000 there are many advantages for the user. The stitching unit is equipped with 2 Hohner Universal 52/8S narrow stitching heads as standard, this can also be extended to a maximum of 4 of these extremely operator friendly stitching heads. With the Universal 52/8S we have decided on the fast all-rounder from the Hohner-Narrow Stitching Head series. This head can easily handle 8.000 stitches per hour. The precise central adjustment tool of the HSB 8.000 grants an efficient adjustment of wire length and stitching thickness at the same time. A new developed control system of the stitching (without any mechanical setting) as well as a caliper control are available for optional integration, allowing by this the maximum quality control without increasing the length of the line. There is a choice of many optional exchange part sets to offer the use of various crown widths, loop diameters, and wire types. The stitching unit itself is a completely new design. The reliable gripper system (transport finger with polyurethane inlets) ensures exact positioning of staples in brochures even at maximum speed. Flexibility, speed and precision – all in your favour.

Delivery

A unique delivery unit, specially designed by Hohner, transports the sheets quickly and precisely via a cleverly designed gripper rail at a 90 degree angle to the trimmer transfer. The advantages of this 90 degree technology are obvious: The sheets are, irrespective of changes in speed, always correctly positioned for transport into the next stage of the process. Thanks to the generous radius of the

guide rollers, marking on the brochures is reduced to the minimum. Hohner knows what you need and always finds unique solutions for faster, more flexible working with high quality standards.

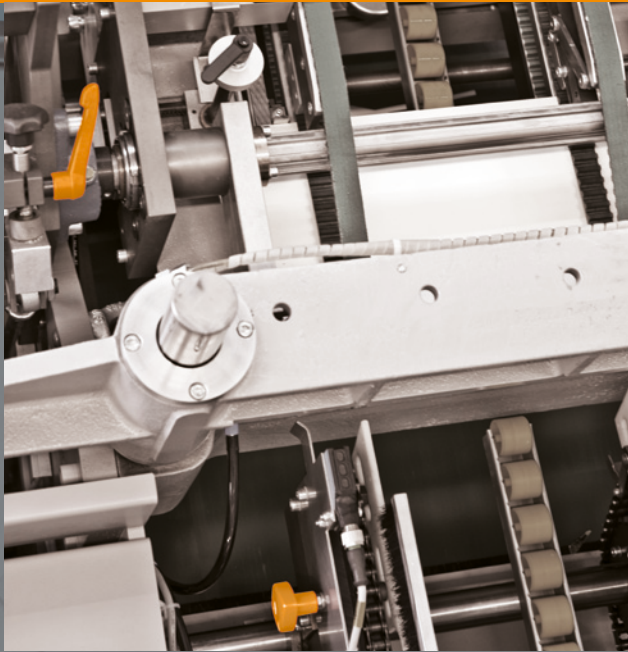
Trimmer infeed

A close co-operation between our design team and end users became the starting point for the development of this component. Today the products reach the trimmer by way of a chain and roller system after being aligned by side guides. The use of most modern materials also guarantees ideal surface protection. That's what Hohner calls 'customer oriented'!

Trimmer

All relevant settings for a perfect three sided cut are easily adjusted by hand without the need for tools in a matter of minutes. Even two-up production (optional) can be adjusted in only minutes. Innovative gear box technology allows gentle braking of the belts, so that even products travelling at higher speed are slowed down gently as they arrive at the backstops. Quiet running and cutting accuracy characterize this trimmer. The knives are combined in a yoke and are guided by twelve ball screw bearings. This results in a totally accurate guide system which does not allow any movement, ensuring an extremely long life of the blades. For optimum protection of the surface of the product, the transportation belts come to a complete standstill during the cutting process. Quality – a Hohner strength.

Trimmer



Compensating stacker



Shingle delivery

The Hohner shingle delivery will automatically batch products on the delivery belt. The customer has the choice between a straight line or 90° version. An optional offset delivery allows more time to bundle, as it alternates batches either side of the delivery belt. This gives you more order and easy recognition during production. Thinking for the customer – another Hohner quality.

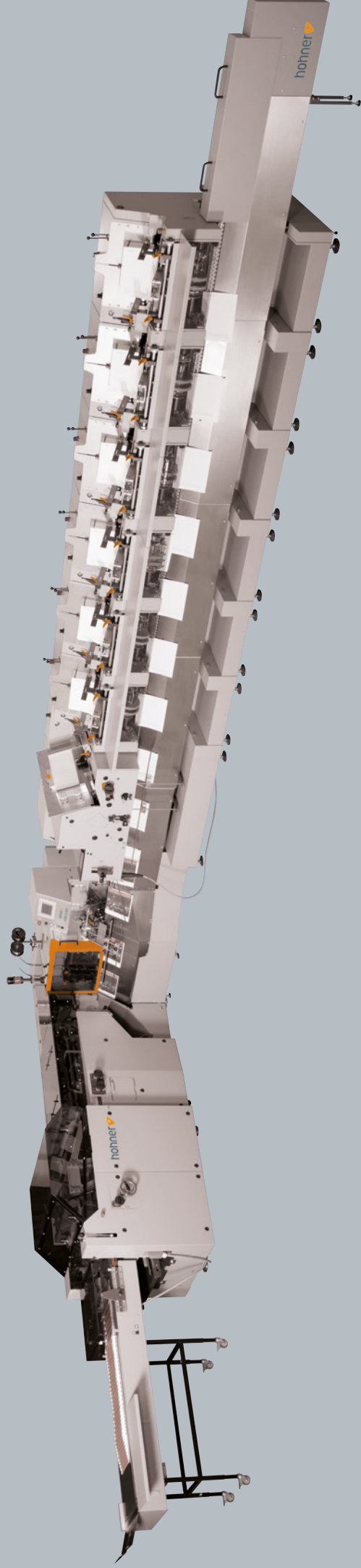
Compensating stacker

This stacker is of robust construction, connects to the Saddlebinder quickly and easily and is extremely user friendly. The paper sizes are adjusted without the need for tools, whilst the batching controls are set by a simple control panel.

Optional features

- Additional single sheet feeder (up to a maximum of 8 stations)
- Manual feeder station(s)
- Cover feeder
- Vacuum generated by ejectors instead of pumps → low noise level
- Additional Hohner UNIVERSAL 52/8S Narrow stitching Heads, equipped for normal Stitching with wire No. 24-28 (crown width 14 mm)
- Alternative special equipment for Hohner UNIVERSAL 52/8S Narrow Stitching Head,
 - for loop stitching with an inner diameter of 6 mm,
 - for loop stitching with an inner diameter of 7 mm,
 - for loop stitching with an inner diameter of 8 mm,
 - for normal stitching with crown widths of 8 mm,
 - for normal stitching with crown widths of 16 mm,
 - for normal stitching with 14 mm staples wire No. 26-30,
 - for normal stitching with 14 mm staples wire No. 21-23
- Corresponding exchange part sets for refitting Hohner Narrow Stitching Heads UNIVERSAL 52/8S for stitching above named stitching
- Extra narrow stitching heads for minimum distances of 43 mm 43/6S (without central adjustment)
- Caliper control unit
- Complete set of spare knives for trimmer, consisting of:
 - Two top knives for side cutting
 - Two bottom knives for side cutting
 - One top knife for front cutting
 - One bottom knife for front cutting
- Two-up production
- Punching cut (4, 5, 6, 9, 10, & 12 mm – other sizes on request)
- Compensating stacker
- Shingle delivery
- Small format unit
- Camera system for quality control
- Inline hole punching, perforating and corner rounding
- Economic LED illumination

Subject to technical changes



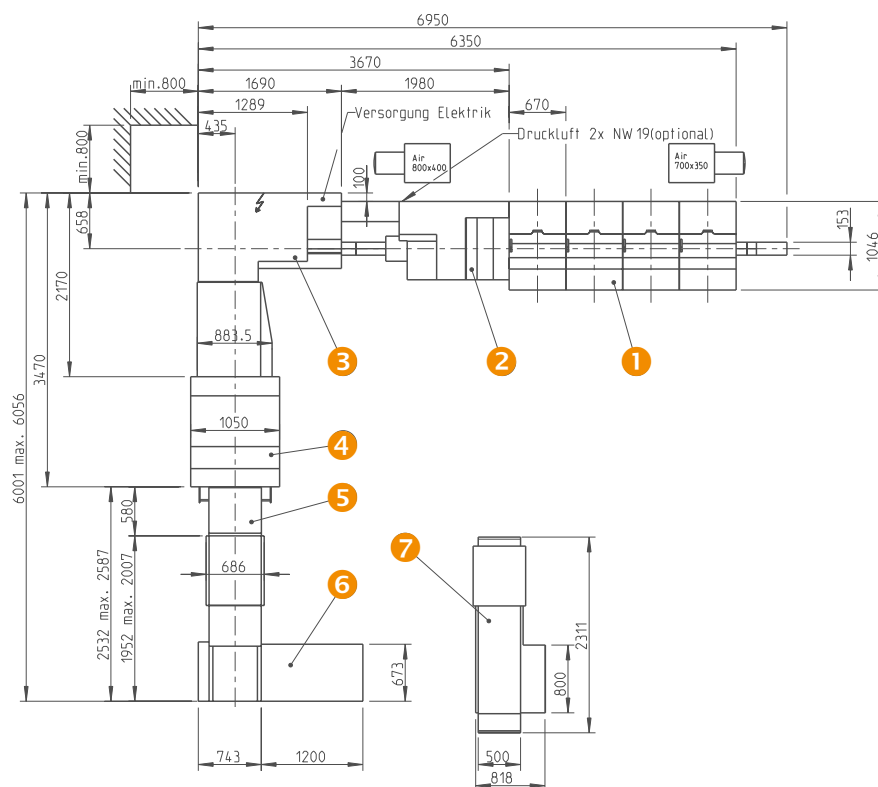
Technical information HSB 8.000		
	Standard format	Small format (optional)
Maximum Format:	365 x 340 mm, trimmed 365 x 350 mm, untrimmed	95 (*80) x 60mm; *untrimmed (Front trim only)
Minimum Format:	105 x 75 mm, trimmed 105 x 105 mm, untrimmed	95 x 60mm, trimmed 70 x 60mm, trimmed (with punch cutting device)
Maximum cutting thickness:	10 mm	10 mm upon request
Maximum stitching thickness:	5 mm (depending on format)	
Maximum distances in trimmer:	50 mm for front trim each 50 mm for head and foot trim	
Number of stitching heads:	up to 4 centrally adjustable HOHNER Narrow UNIVERSAL 52/8S Stitching Heads; - Standard crown widths 14 mm (Optional widths: 8 mm, 16 mm) (Optional loop inner diameter -ø: 6 mm, 7 mm, 8 mm)	

Maximum stacking length of vertical feeder:	approx. 250 mm (depending on paper)
Signature opening: creases also by grippers, maximum 20 mm pre and post creases	by vacuum suction or for maximum 8 mm pre or 5 mm post creases
Speed:	500 - 8.000 products per hour (infinitely variable)
Power consumption with vacuum pump:	Depending on format, type, and quality of sheets to be processed approx. 13 KVA
Nominal operating current:	20 Amp (depending on machine configuration)
Supply voltage:	400 Volt, 3 phases, 50 Hz

Subject to technical changes

HSB 8.000 – Technical information

- ❶ Signature Feeder
- ❷ Cover Feeder
- ❸ Stitching Unit with Interface
- ❹ Trimmer
- ❺ Offset delivery
- ❻ Cross Stacker
- ❼ Shingle Delivery (180°, 90°)

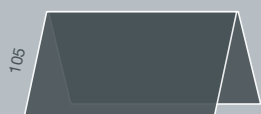
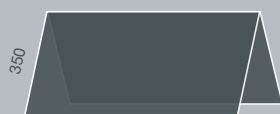


Standard format

Before trim

Prefolded sheet, max. 365 mm

Prefolded sheet, min. 105 mm



Cover, max. 620 mm

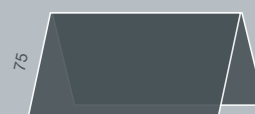
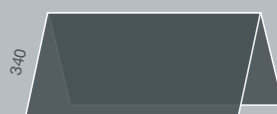
Cover, min. 170 mm



Finished sizes

Max. 360 mm

Min. 105 mm



Punching cut, max.

177 6 + 9 177

Punching cut, min.

(y) 6 + 9 (y)



(y) 1. with 43/6S 4x stiched 85 x 75 mm

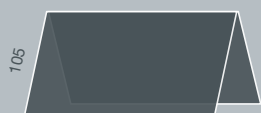
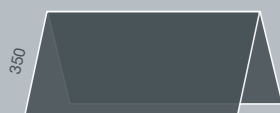
2. with 43/6S 2x stiched 80 x 75 mm

Small format (optional)

Before trim

Prefolded sheet, max. 365 mm

Prefolded sheet, min. 105 (*80) mm



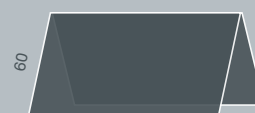
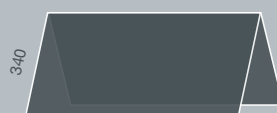
Cover, min. 170 mm



Finished sizes

Max. 360 mm

Min. 95 (**70)



Punching cut, max.

177 6 + 9 177

Punching cut, min.

(x) 6 + 9 (x)

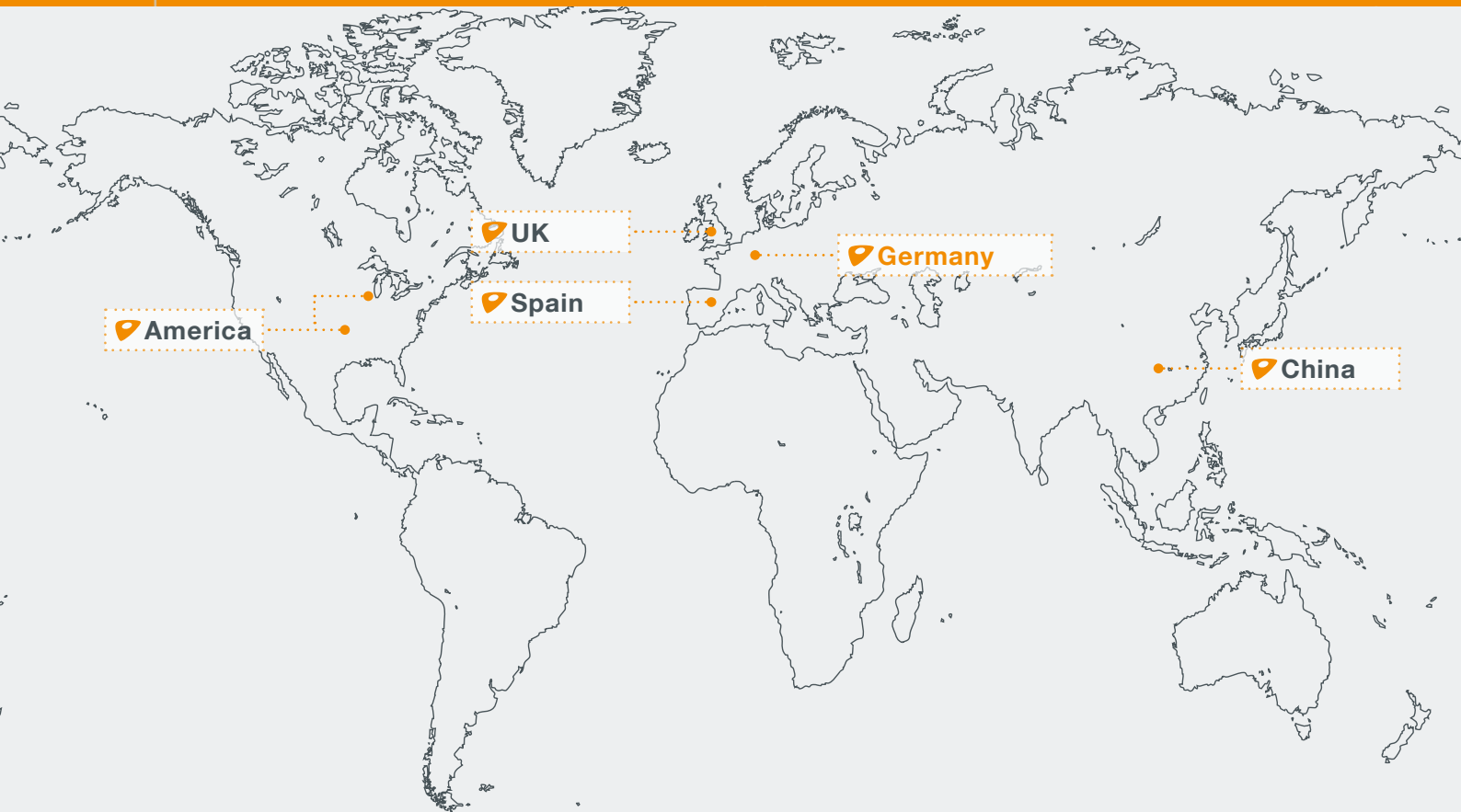


(x) 1. with 43/6S 4x stiched 85 x 65 mm

2. with 43/6S 2x stiched 70 x 60 mm (with punch cutting device)

* only front trim
(** with punch cutting device)

Subject to technical changes



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