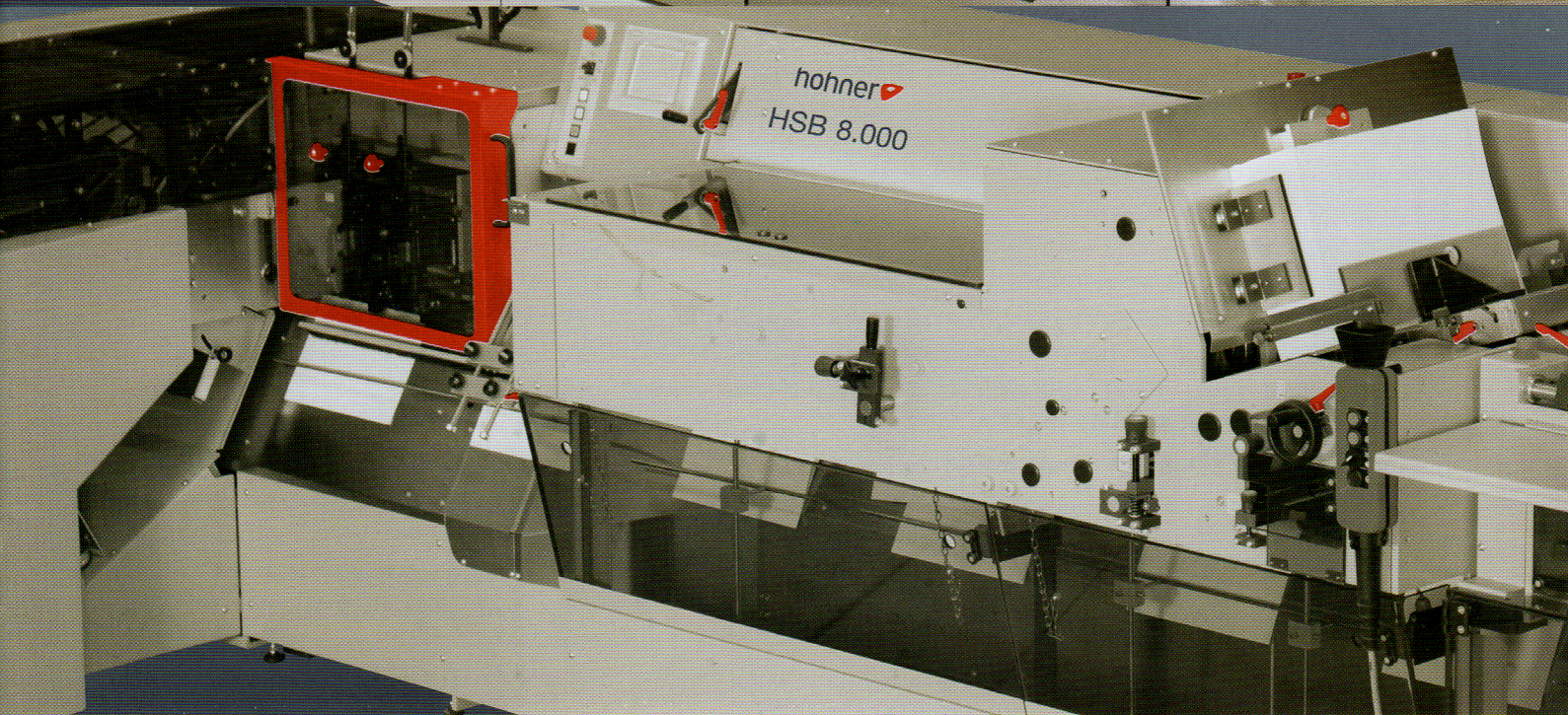
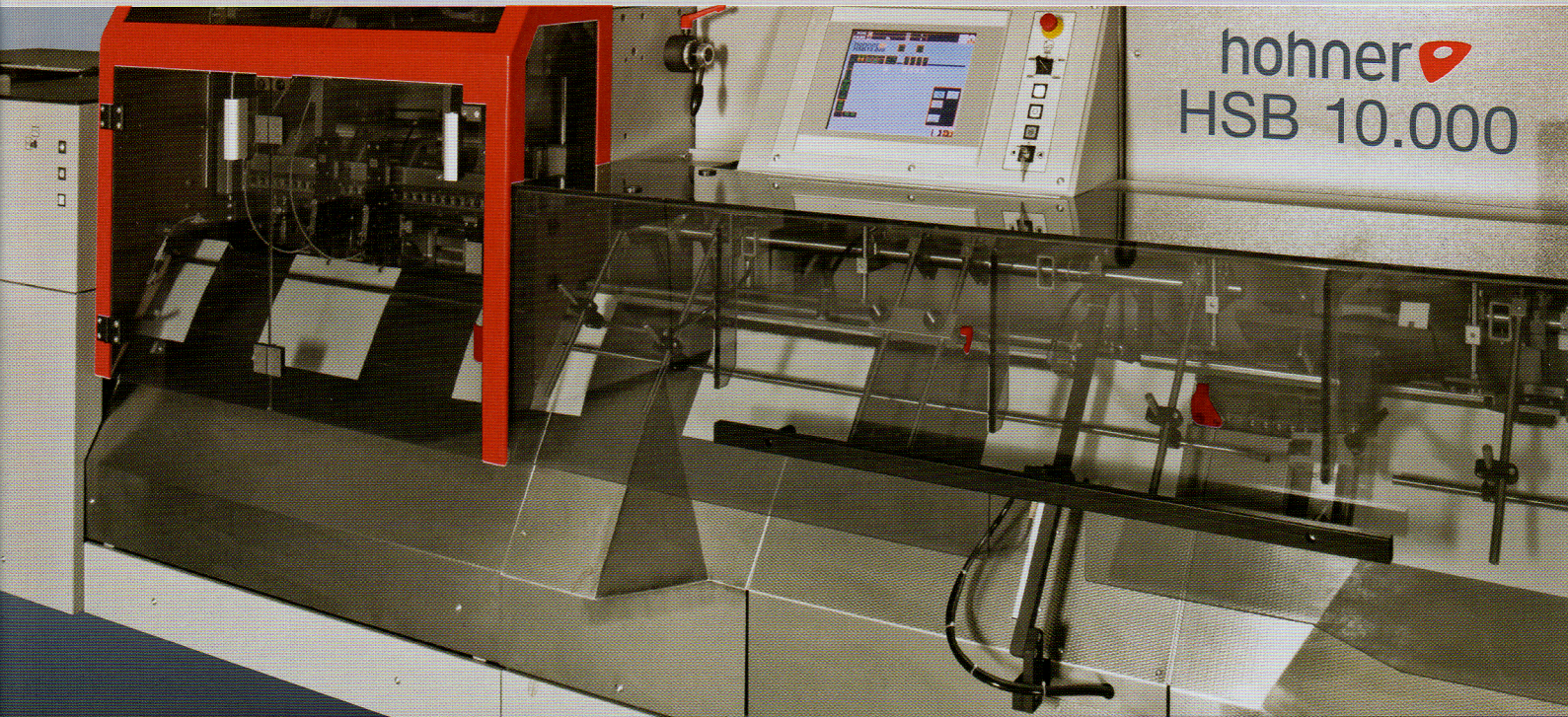


HSB Saddle binder

... because time is money too

HSB 10.000 | HSB 8.000



hohner 
perfection in postpress

Hohner Maschinenbau GmbH

Our obligation to meet your individual needs –

6 good reasons to choose Hohner:



3 generations behind your success

A history developed over 3 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 fully automated saddle binders. Either way, we guarantee a long term, successful cooperation.

Leader in technology:

Dependability and longevity, 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.

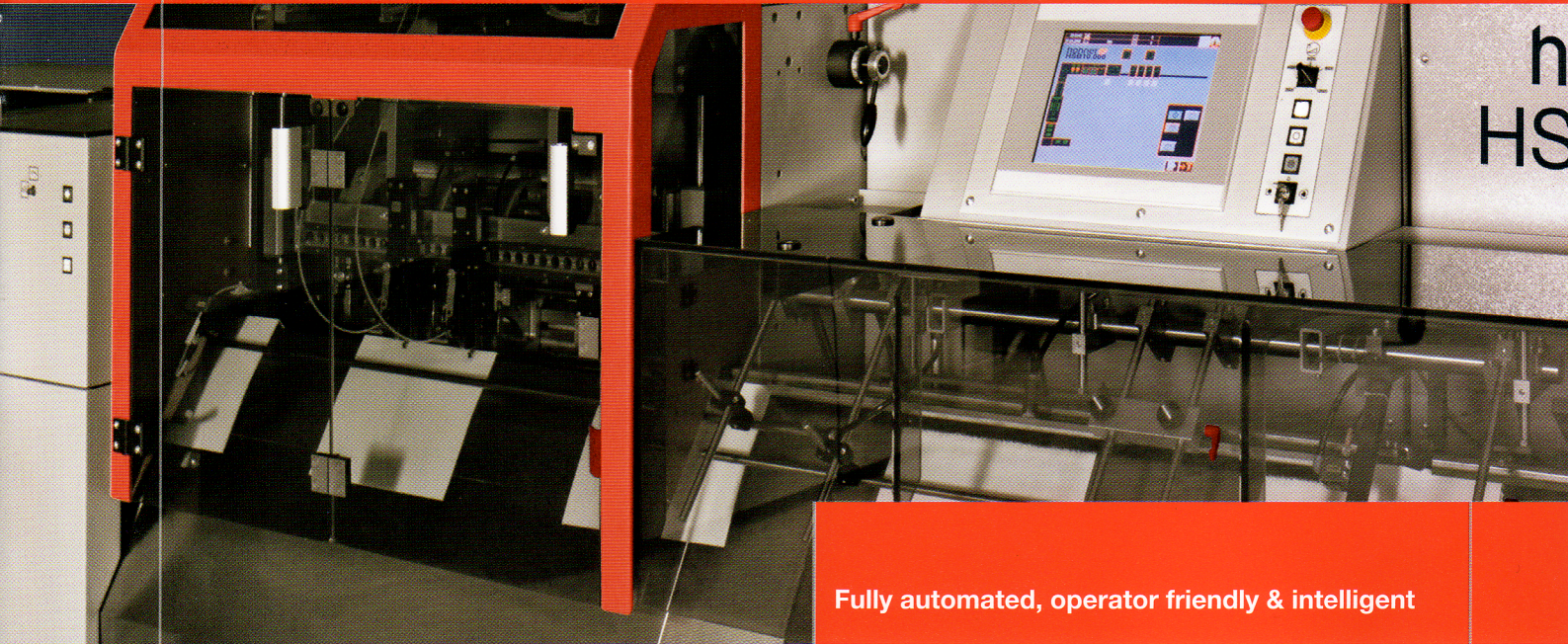
Service

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 time and again, every day.

HSB 10.000 – fully automated

High-technology for the future – flexible & efficient



The HSB 10.000 is our most forward thinking solution, requiring a minimum amount of personnel, to compliment your efficient workflow in the saddle binding element of your Bindery.

Totally automated – even down to the compensating stacker – the HSB 10.000 can, like no other, be changed from one job to another up to a maximum DIN A3 in a matter of minutes.

This is especially relevant in a changing market where production runs are becoming shorter but the products are becoming more complicated.

Intelligent programming ensures the automated repetition of all components and settings in the system.

This guarantees that tasks which have been run once can be repeated at any time with a simple push of a button because all components automatically reset to their previous positions.

Your demands of top quality machinery and high efficiency together with Hohner's renowned ease of operation are perfectly combined in **our fully automated HSB 10.000**.

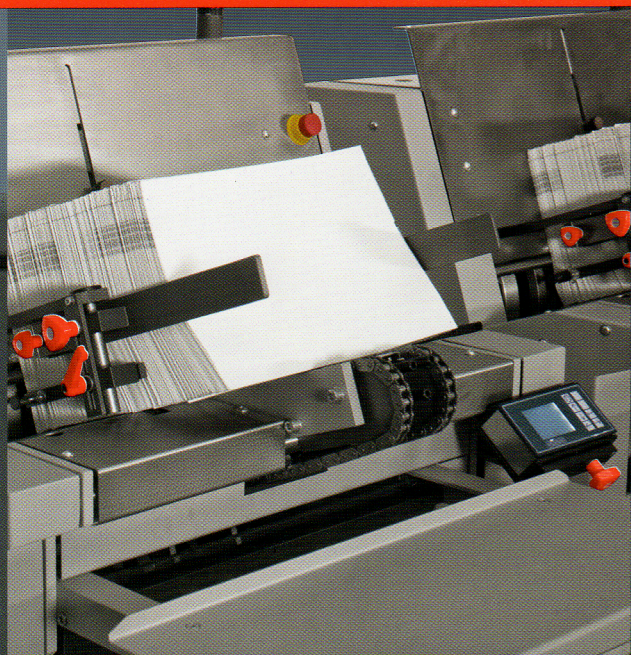
Fully automated, operator friendly & intelligent

The advantages in short:

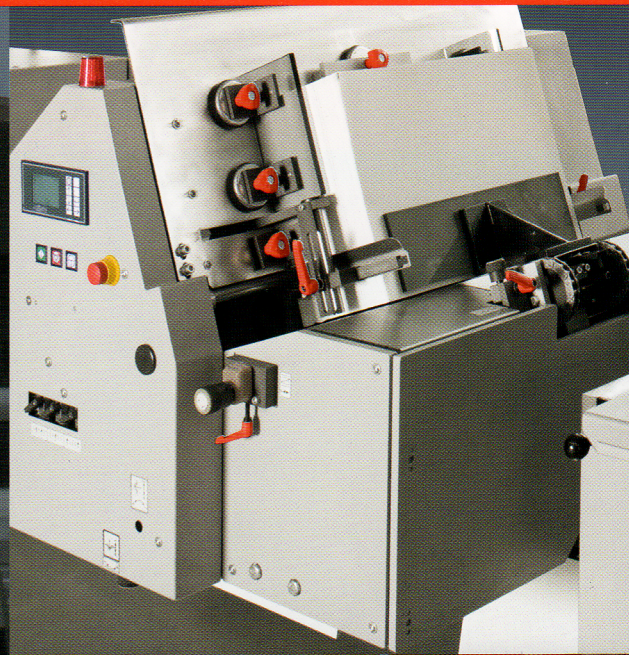
- Automatic default settings of all components and units – even including stitching heads
- The touch screen uses symbols which are easy to understand and makes navigation through the setup procedure easy. The subsequent control and monitoring of the machine's operations are also clear and precise.
- Operator friendly adjustment.
- Ergonomic feed station height
- Minimum personnel required
- Maximum format untrimmed: 460 x 320 -350 mm
- Maximum format trimmed: 432 x 340 mm
- Sequential on – off switching
- Integrated stitch control.
- Automatic central lubrication keeps time required for maintenance low.
- Motor driven adjustment of all components – including stitching heads.
- Equipped with the world-wide established narrow stitching heads by Hohner, the leader in technology
- Knives combined in a yoke.
- 6 lineal bearings for high precision guidance and extremely long endurance of the knives.
- Easy adaptation of the creasing station between inner and outer scores.
- Optional remote error diagnosis.
- Modular system with easy, individual customization to your requirements

The components in detail:

Vertical feeder



Cover feeder



Touch screen

In colour and 12.1 inches square our central touch screen offers easy handling, a clear structure, and ideal visualization. All product information and current machine status can be immediately and accurately read with just one glance. Product and order information is entered via a logical and operator friendly menu.

We make a service team on location basically unnecessary; a modern interface makes it possible to remotely diagnose your machine from our factory, offering immediate advice and help from our experts. Hohner is on top of it all!

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. Of course we can also offer an alternative option in the form of horizontal feeders.

Sequential monitoring ensures that each feeding station has fed correctly. Each feeder is also equipped with a display for individual precision adjustments, even when the machine is in production. Specific information concerning signatures can be stored individually and retrieved on demand at any time. The grippers can be changed from front to rear automatically and completely without the use of tools, the same applies to suction settings.

Another useful feature is that all our feeders can be tilted away and upwards enabling free access to the chain and allowing manual feeding or the integration of a card gluer etc.

For Hohner, 'operator friendly' is more than just a saying.

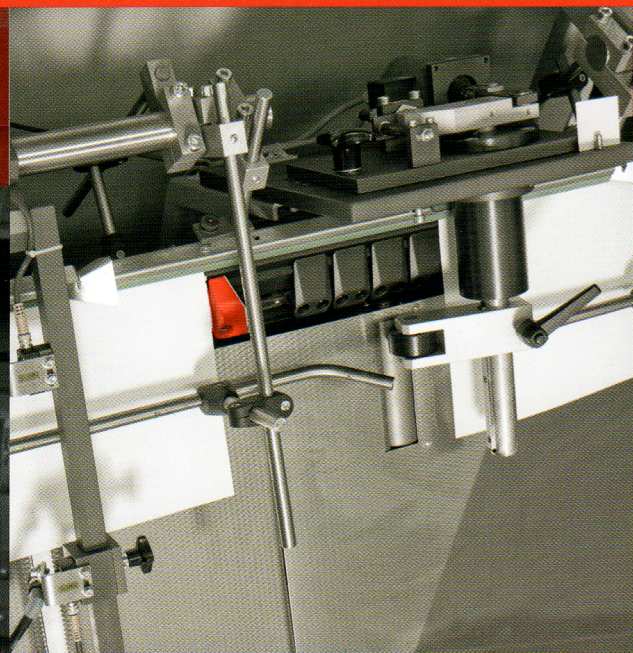
Cover feeder

Our cover feeder is designed to be at an easy operating height and demonstrates the modular nature of this machine; it can be added at any time in the future. It also utilizes the vertical feeding principle and can therefore be loaded with more sheets than horizontal cover feeders. This also ensures that the potential for marking is reduced significantly and an extremely smooth running passage to the inner or outer creasing station for an accurate folding of the cover (easily changed from one to the other). Marking is no longer an issue. Last but not least this cover feeder is equipped with an intelligent double sheet control which utilises a new ultrasound adjustment-free system. Your quality is important to us!

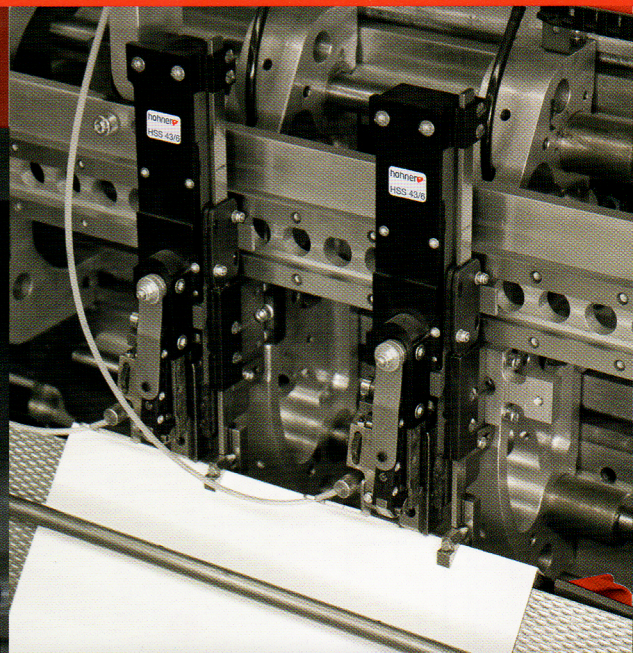
Caliper

Tried and tested, our thickness control has proved to be an extremely useful feature. A simple touch of the teaching button is all that is necessary and the control sensor reads and saves the exact dimensions. Intelligence that saves time!

Caliper



Stitching unit



Stitching unit

Hohner narrow stitching heads are generally known for reliability in any situation. The combination of the fully automated wire stitching unit in the HSB 10.000 and the special stitching heads that were specifically developed for this saddle binder, offer the user additional, fundamental advantages. Flying stitching heads ensure that the product is stitched while moving and that the product flow is not interrupted. With the fully automated settings, time consuming adjustments to the standard stitching head and clincher box are a thing of the past. The wire feed, which is separated from the stitching head in the HSB 10000 and operated by a stepper motor, dramatically reduces moving parts in the heads thereby decreasing wear. The sheets are handled as gently as possible at all times. Flexibility, speed and precision – all to your advantage.

Delivery

A unique delivery unit, specially designed by Hohner, transports the sheets quickly and precisely via a cleverly designed gripper rail transport system at a 90 degree angle to the trimmer transfer. This is operated by a shuttle that has been designed for optimal performance within the operation of the HSB 10.000. 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

Tried and tested technology has been adopted, adapted and perfected. The products reach the trimmer by way of a belt and roller system after being aligned by side guides. The use of modern materials also ensures ideal surface protection.

That's what Hohner calls 'customer orientated'!

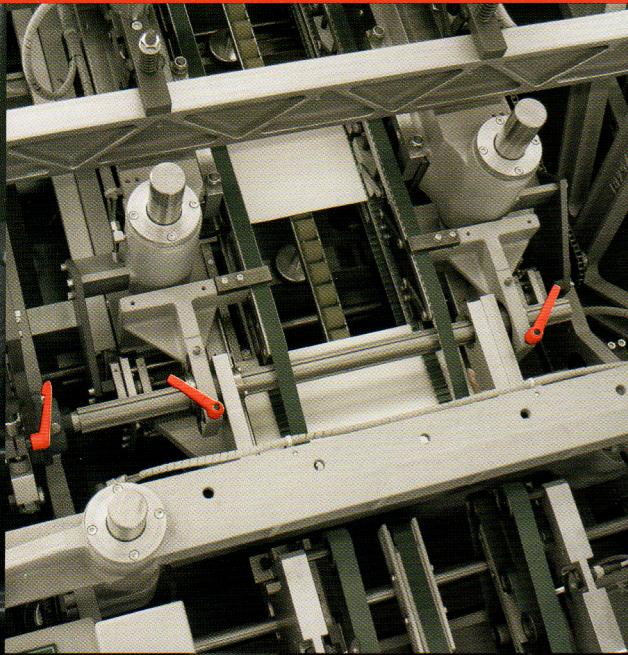
Trimmer

Even in this component all relevant parameters for three sided trimming are automatically adjusted at the push of a button. Even two-up production (available as an option) can be adjusted in only a matter of 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 six lineal 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

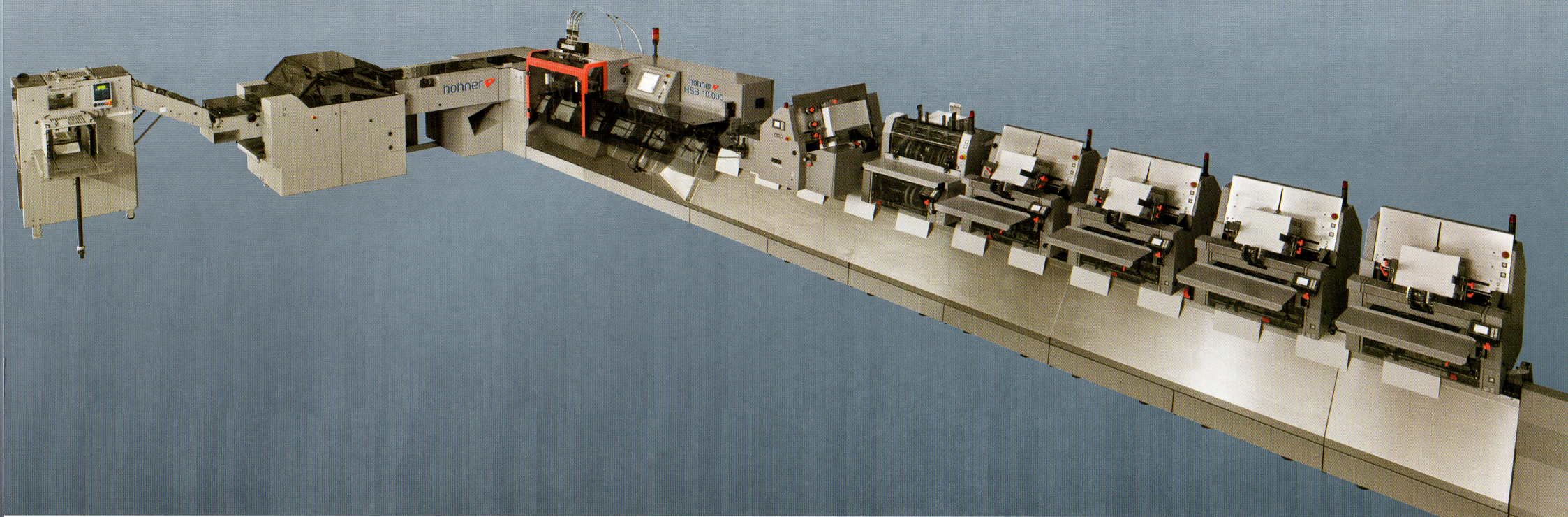
The Hohner shingle delivery will automatically batch products on the delivery belt. An optional offset delivery allows more time to bundle, as it alternates batches either side of the delivery belt. This gives you more order and easy recognition during production. Thinking for the customer – another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

Compensating stacker

Even the compensating stacker is integrated in the automation of the saddle binder and takes over all relevant information, adjusts independently to current requirements, and adapts to stack heights and turning points. Lateral joggers ensure perfect stacks.

The collecting bin has two levels. Depending on how the stacker is programmed, level one primarily collects single or multiple batches and level two stores the pre-collated piles ensuring a clean transfer to the turntable, and exit to the delivery table.

Precision to the finish. Intelligence paired with flexibility and ease of operation.



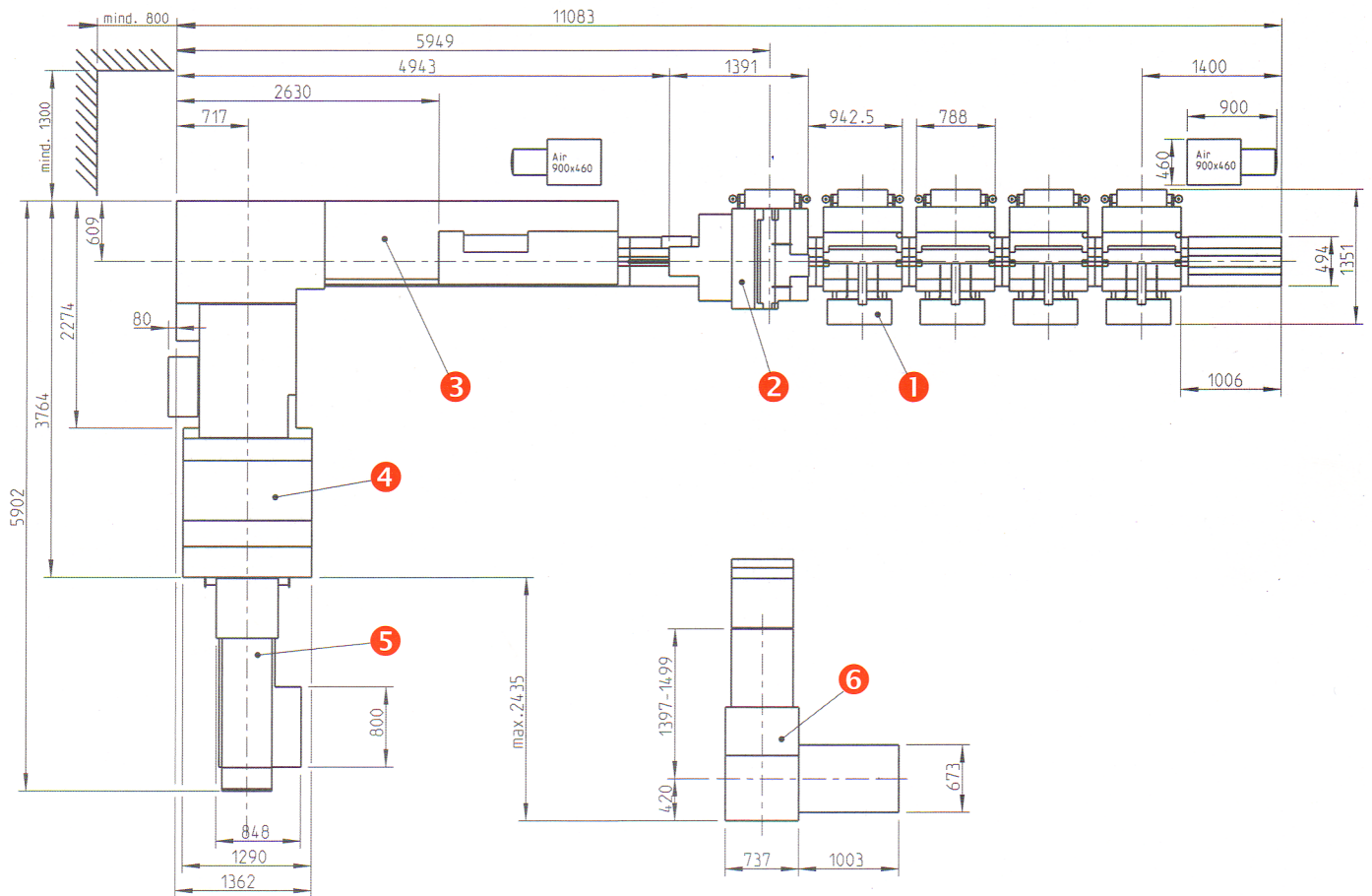
Technical information HSB 10.000

Thickness capacity of trimmer:	12 mm in single production, When taking out a gutter, thickness is half of the width of the gutter
Maximum stitching thickness:	6 mm (for normal staples), (optional: loop stitching L6 maximum 3 mm and L8 maximum 2 mm)
Trim allowance:	up to 50 mm on all 3 sides (depending on format)
Stitching heads:	up to 4 HOHNER Narrow HSS 40/6 Stitching Heads
Maximum feeder pile length of vertical feeder:	approx. 250 mm (depending on paper)
Production speed:	2000 – 10000 products per hour (infinitely variable)
Maximum number of feeders:	12 plus cover feeder (or 14 vertical feeders without cover feeder)
Supply voltage:	400 Volt, 3 phase, 50/60 Hz
Nominal operating current:	maximum 40 Amp.

Subject to technical changes

HSB 10.000 – Technical information

- ① Vertical Feeder
- ② Cover Feeder
- ③ Sticking Unit with Interface
- ④ Trimmer
- ⑤ Shingle Delivery
- ⑥ Cross Stacker



Formats

Before trim

Prefolded sheet, max. 460 mm

Prefolded sheet, min. 130 mm

Finished sizes

Max. 432 mm

Min. 120 mm



Cover, max. 620 mm

Cover, min. 210 mm

Punching cut, max. 210

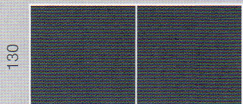
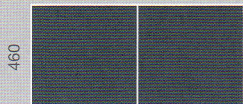
6 + 9

210

Punching cut, max. 89

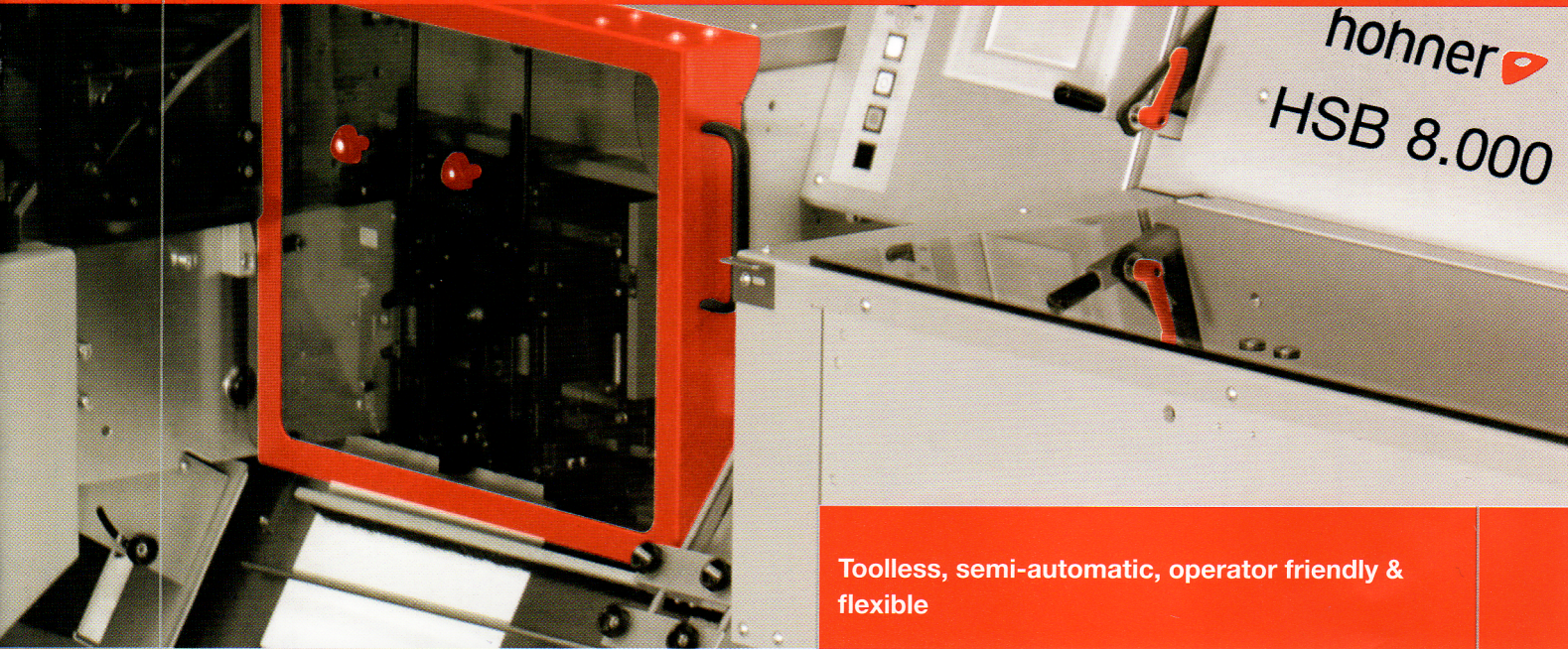
6 + 9

89



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 360 x 350 mm it's at the head of its class. Even loop stitching is an option, and not a problem.

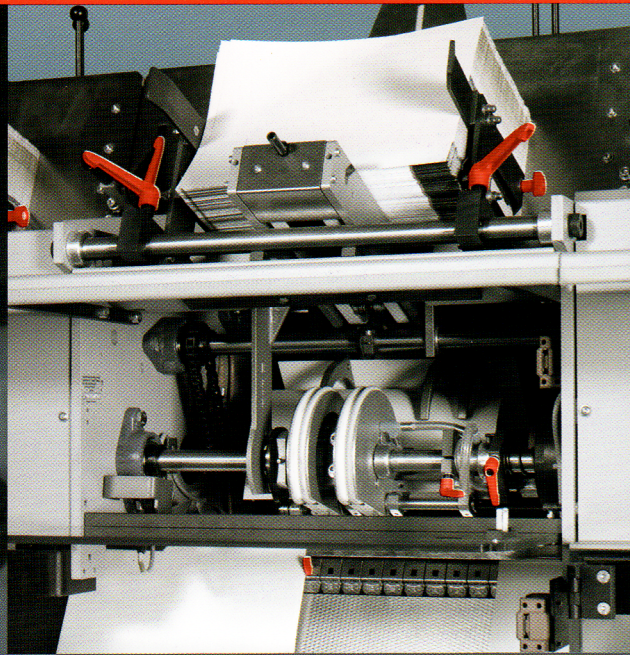
At Hohner your considerations over quality and economy are taken seriously and furthermore have been implemented with easy use for the operator in mind.

The advantages in short:

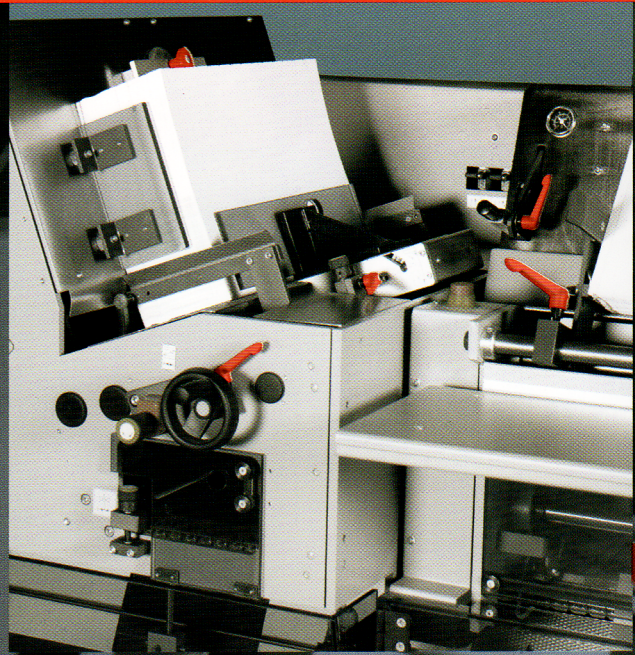
- Expansion of the system at a later date: a completely modular system which can be expanded to suit your needs as your requirements grow. (options: manual feed stations, up to 8 automatic vertical single feeders, automatic cover feeder, fourth and fifth knives, 2:1 switching mechanism, staple control, compensating stacker and a waste extraction system.)
- Knives combined in a yoke
- 6 lineal 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 (2000-8000 cycles per hour), a misfeed detector which is setting and maintenance free, a thickness control (optional) as well as a stitch control from underneath (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.

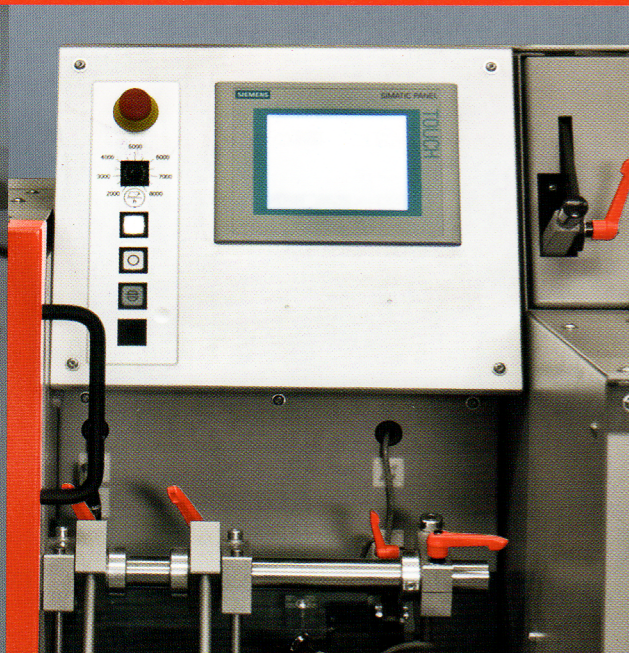
An adjustment/maintenance free signature inspection unit with photocell on the sword is also standard. Toothed belts ensure minimal marking when transporting sheets into the feeder. These hoppers hold an impressive 250mm stack. Specially coated metal surfaces additionally support an almost mark free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

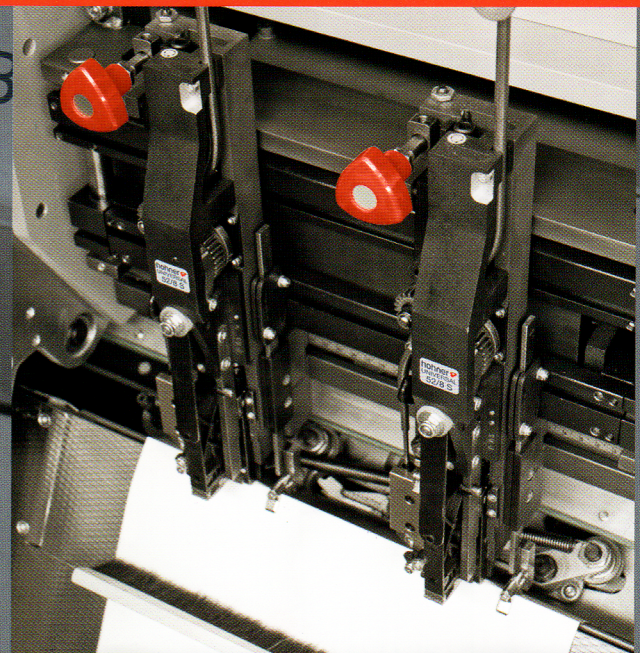
Cover feeder

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 360 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. Furthermore, central Adjustment of wire length and stitching thickness is accurately and efficiently adjusted. 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.

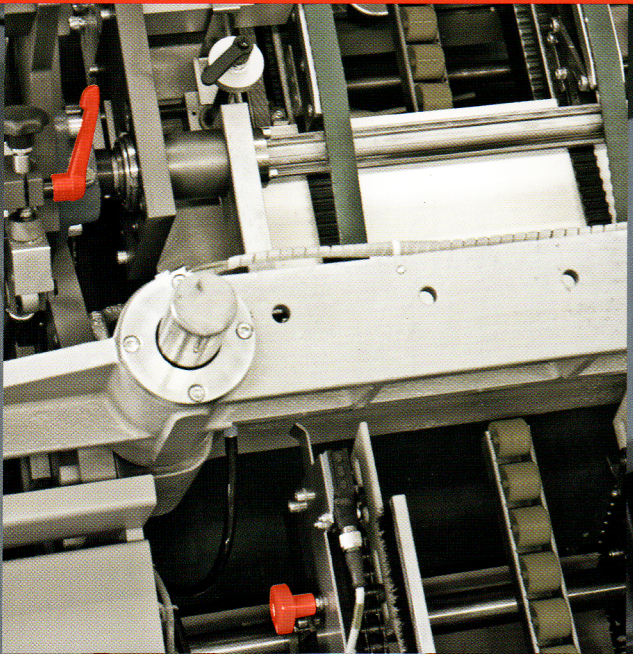
Trimmer infeed

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'!

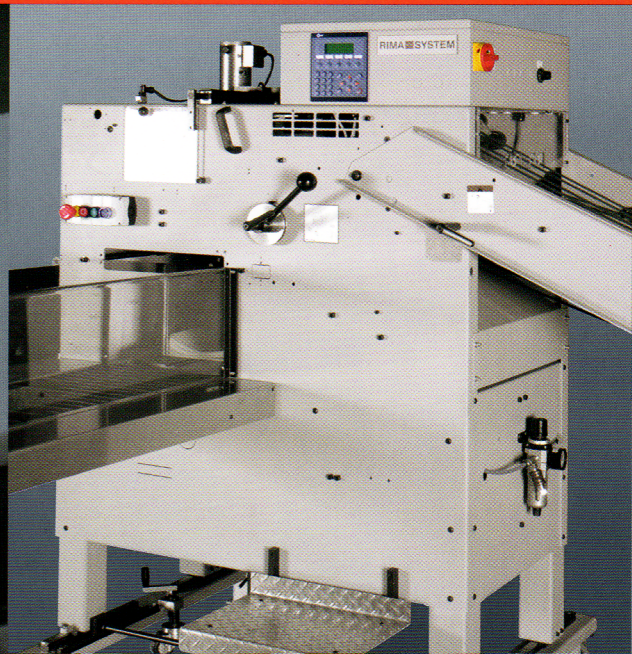
Trimmer

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 six lineal 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. 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 Saddlebin-der 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.

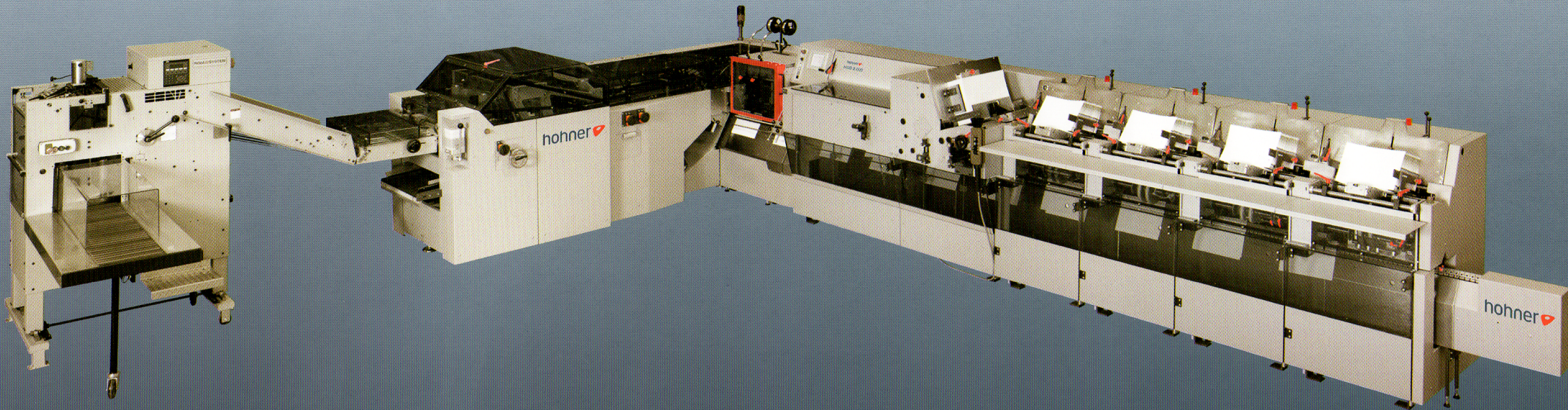
Other units and electronics

- Total currency approx. 11 KVA, with nominal currency 20 A.
- Speed adjustment by potentiometer.
- Central switchboard with touch screen, located next to the stitching unit.
- Standard, mobile, two hand gearshift
- Input supply voltage 400 Volt, 3 phases, 50 Hz.
- Transformer for 220 V

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 widths 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)
- Stitch control unit
- 2:1 – gear shift
- 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
- Bust cut
- 6 mm gutter
- 9 mm gutter
- Compensating stacker
- Offset device

Subject to technical changes



Technical information HSB 8.000

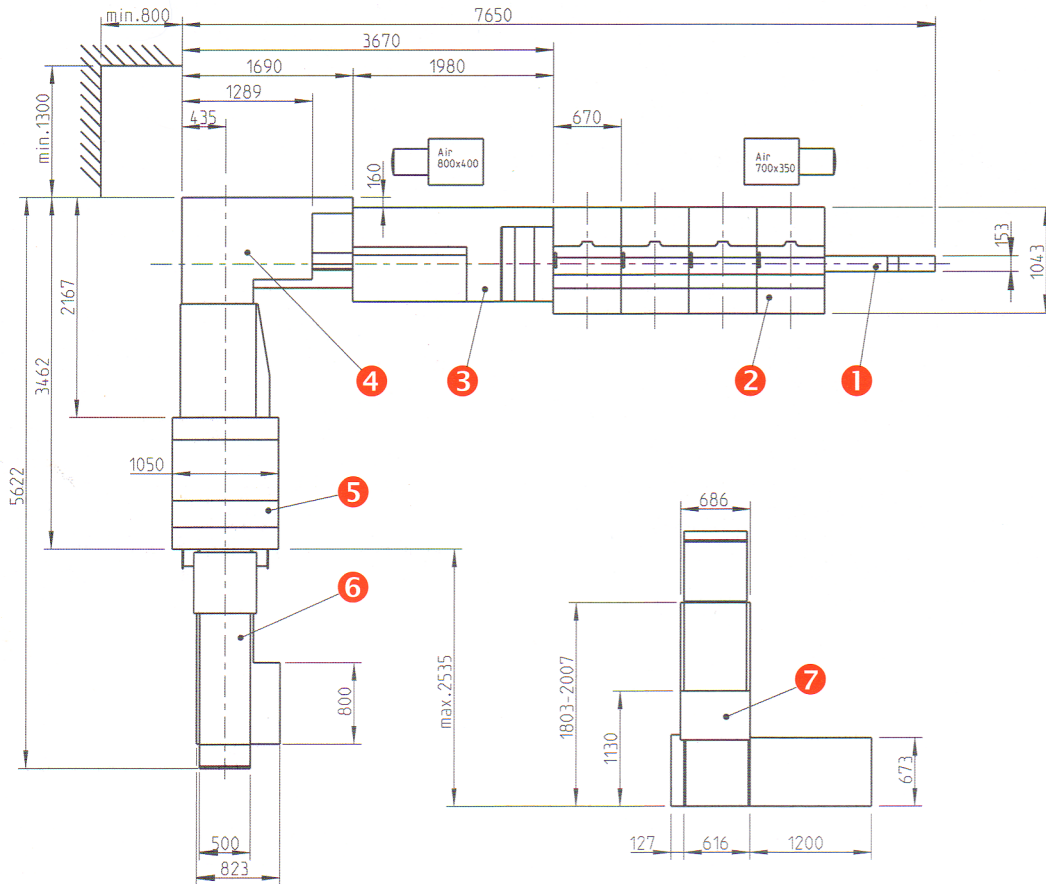
Maximum Format:	355 x 340 mm, trimmed 360 x 350 mm, untrimmed
Minimum Format:	120 x 75 mm, trimmed 130 x 105 mm, untrimmed
Maximum cutting thickness:	10 mm
Maximum stitching thickness:	5 mm
Maximum distances in trimmer:	50 mm for front trim each 50 mm for head and foot trim
Number of stitching heads:	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 - ϕ : 6 mm, 7 mm, 8 mm)

Maximum stacking length of vertical feeder:	approx. 250 mm (depending on paper)
Signature opening:	by vacuum suction or for maximum 8 mm pre or 5 mm post creases also by grippers, maximum 20 mm pre and post creases
Speed:	2.000 - 8.000 products per hour (infinitely variable) Depending on format, type, and quality of sheets to be processed
Power consumption with vacuum pump:	approx. 13 KVA
Nominal operating current:	20 Amp
Supply voltage:	400 Volt, 3 phases, 50 Hz

Subject to technical changes

HSB 8.000 – Technical information

- ❶ Manual Station
- ❷ Vertical Feeder
- ❸ Cover Feeder
- ❹ Sticking Unit with Interface
- ❺ Trimmer
- ❻ Delivery
- ❼ Cross Stacker



Formats

Before trim

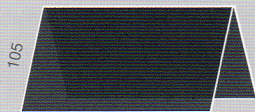
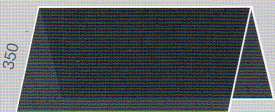
Prefolded sheet, max. 360 mm

Prefolded sheet, min. 130 mm

Finished sizes

Max. 355 mm

Min. 120 mm



Cover, max. 620 mm

Cover, min. 170 mm

Punching cut, max.

187 6 + 9 187

Punching cut, max.

89 6 + 9 89

