

# hohner

perfection in postpress

## — HSB 13.000

Fully automated to the smallest detail



... because time is money too.





## Three good reasons to choose Hohner

What does Hohner stand for? What distinguishes us from competitors? Where does the good reputation and success of our products come from? Our more than 90 years of company history and experience, the reliability and longevity of our products as well as our innovative strength are certainly aspects that contribute to this success. But if Hohner were to be reduced to a single denominator, it would probably be our proximity to our customers combined with the capability of listening diligently to them that sets us apart. In this way, we are able to understand market needs in time and develop suitable solutions that are brought to our customers technologically and economically.

### 1 Spirit of Innovation

Our commitment to meet our customer's needs is at the center of our philosophy. Customer suggestions as well as the expertise of our highly motivated and qualified staff form the basis for continuous technological development. This is how we ensure that you will always be one step ahead with our products.

### 2 Customer and Service Orientation

Individual consultation and solutions, flexibility, fast reaction times, long term availability of spare parts, friendliness, international sales and service network: all these are much more than catchphrases for us. We are living these terms as fundamental values of a business relationship and you will experience them with us time and again, every day.

### 3 Quality Awareness

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.



— WHY WASTE TIME  
RATHER THAN  
PRODUCE?

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## — HSB 13.000

### Fully automated to the smallest detail.

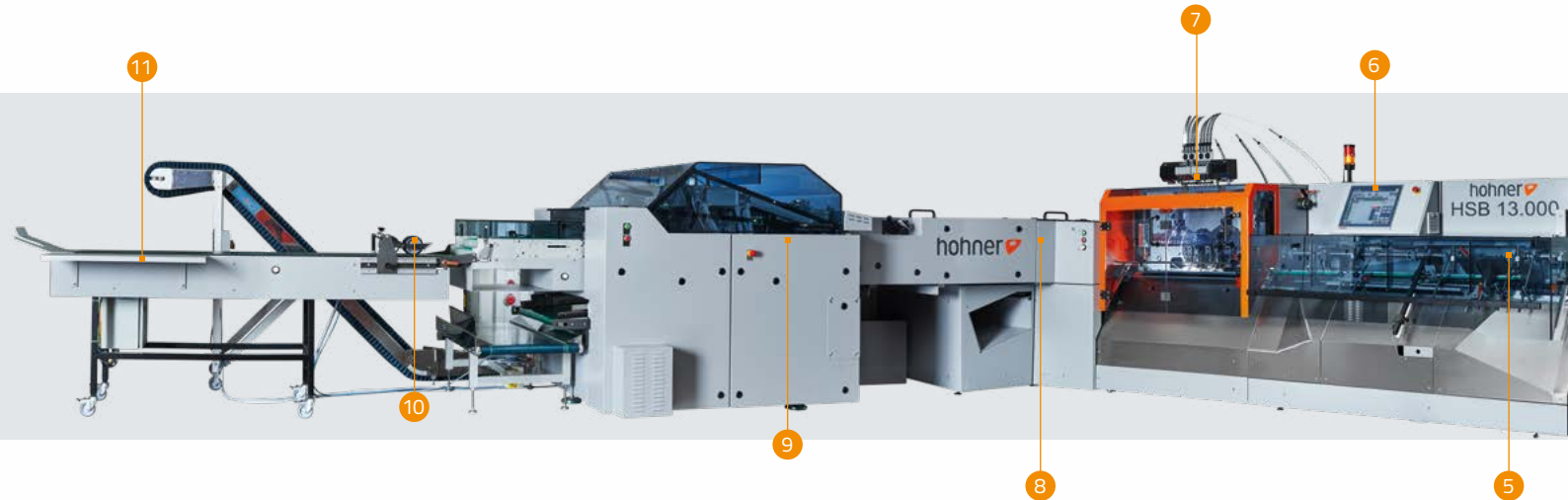
When flexibility and quick job changes are a must.

- + From small format to A3+ size without any modification.
- + Set-up times in 180 seconds.
- + Sucker opening without speed reduction.
- + Automated stitching unit with up to 6 stitching heads.
- + User-friendly menu navigation.
- + Horizontal and vertical feeders freely combinable.





# HSB 13.000 – The components at a glance



## 1 Cover feeder horizontal (PAL)

The horizontal cover feeder with its compact, ergonomic design is a modular addition that can also be retrofitted, just like the standard cover feeder. With its continuous air cushion it prevents markings. This offers the processing of raw sheets individually and in series at any time and means that the separate upstream process of folding can be eliminated. Equipped with a color touch display it grants the maximum amount of user friendliness.

## 2 + 4 Signature feeder horizontal | Signature feeder vertical

All relevant elements for the opening of the signatures are fully automated and can be adjusted and corrected from the touch panel. This means that all standard signatures can be processed, ranging from four-pages upwards, with absolute product protection and safety. A customized configuration of single individual feeders, also combined with other feeder types, are possible too. The missing-sheet notification ensures product safety by the appropriate ejection through sequential monitoring. All of our signature feeders can be tilted backwards and up, thus providing optimum access to the chain in the event of manual feeding or integration of a card gluer adhesion device or other additional assemblies.

## 3 Cover feeder vertical

Ergonomically designed and equipped with a color display it represents another modular supplement that can also be retrofitted. The vertical feeding guarantees optimum surface protection and an extremely easy running towards the positive or negative scoring station for precise folding of the cover.

## 5 Sheet control

A press on the teaching button is all it takes to survey all sheet controls such as thickness control, double or square sheet monitoring and last but not least, length monitoring. The sensor reads the exact measurements in a fully automated way. The thickness control system is mounted on the side, preventing the signatures from "warping".

## 6 Touchscreen

In color and 15 inches wide our central touch screen provides extremely simple operation, clearly arranged screens and optimal visualization. All production and machine data can be read immediately and precisely at a glance. Product and order data are entered using an intuitively designed, user-friendly menu. An ethernet interface enables remote diagnostics from our factory in the shortest possible time and avoids unnecessary service jobs on site.

## 7 Stitching unit

The special HSS 42/6 narrow stitching heads developed by Hohner for the HSB 13.000 in combination with the modular wire stitching station includes flying heads. That means, the product is stitched in motion and the production flow is not interrupted. On the HSB 13.000 the fully automatic adjustment eliminates the time-consuming adaptation of the stitching heads and clinchers completely. The wire advance installed in the HSB 13.000 is separated from the stitching heads by an electric servo drive and reduces the moving masses, leading to considerably less wear. Moreover, every stitching head has a separate individual stitch control.



#### 8 90° transfer delivery

The sheets are transferred quickly and precisely using a sophisticated gripper bar and thanks to the generous radii of the deflection rollers, the booklets (products) are optimally delivered at a 90° angle to the trimmer. Additional adjustment functions enable even extremely thick and wide booklets to be handled gently.

#### 9 Trimmer

This trimmer stands for smooth running, cutting accuracy and user friendliness; this component also has all relevant parameters for three-sided trimming that are set automatically. Even the two-up can be set up in just a few minutes (various punching knives are optionally available). The unique electronic hand wheel enables a clear and easy handling. Various functions can be activated with a simple rotation, such as moving the trimmer forwards and backwards, blade changing (separating cut) and even self-synchronization after you leave the configuration menu. For optimum product and surface protection our innovative gear technology allows the belts to be gently slowed down so that even products at high speed can reach the back stops gently. Finally, the conveyor belts are completely standing still during the cutting process.

#### 10 Conveyor table

Hohner offers the perfect conveyor table for all applications. Connecting any other third party or Hohner delivery devices are easy and problem-free.

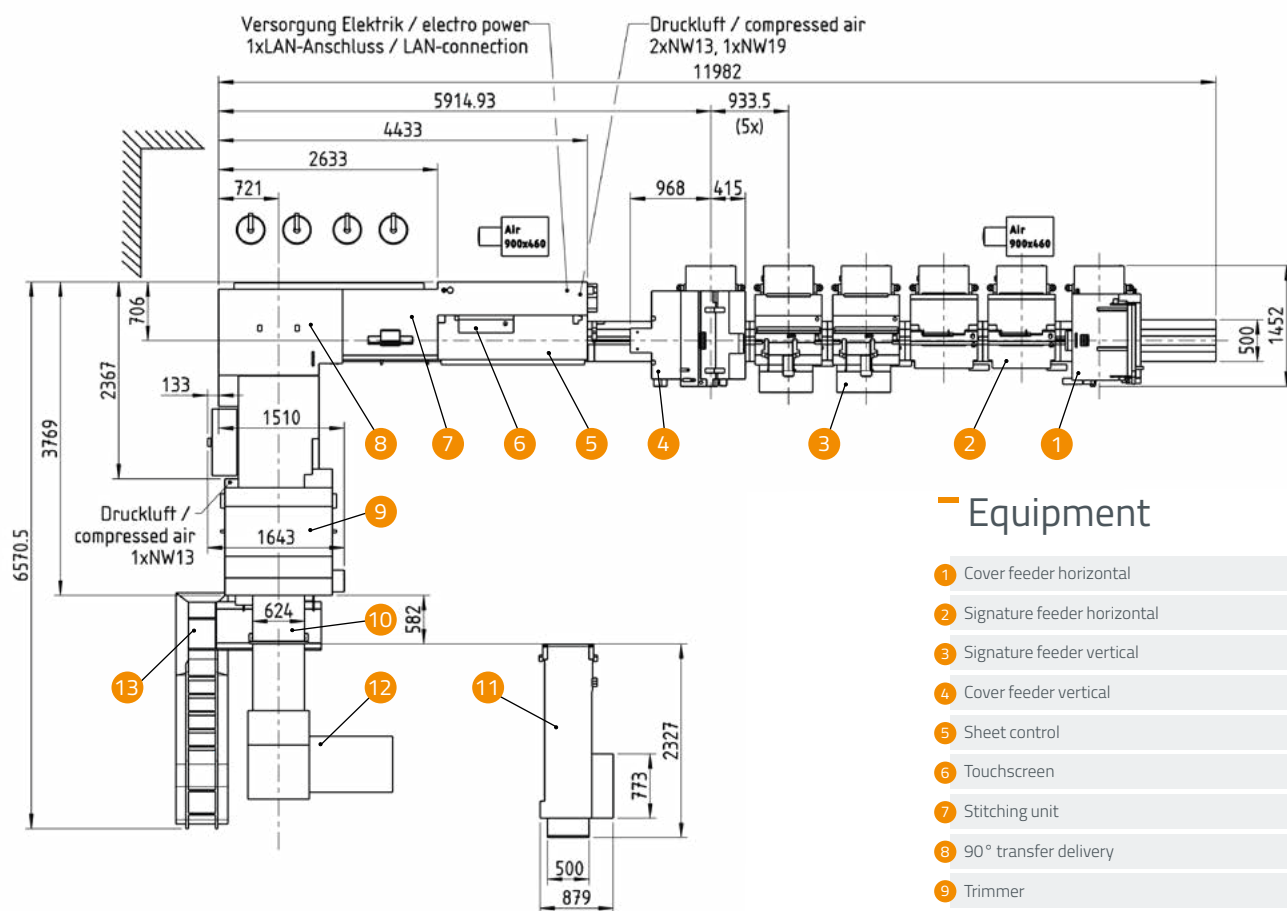
#### 11 Shingle delivery

The Hohner shingle delivery automatically picks up products by batches. Depending on space requirements, straight delivery can be selected in various lengths. An optional conveyor table with offset device also enables longer acceptance intervals, which are marked by lateral offset of the batches.

#### + Compensating Stacker

We offer a Hohner compensating stacker that is fully integrated into the automation of the saddle stitcher. At the same time, we cooperate with most manufacturers of stackers and can integrate their components – open interfaces provided – into our automation as well.

# Technical Information



## Equipment

- 1 Cover feeder horizontal
- 2 Signature feeder horizontal
- 3 Signature feeder vertical
- 4 Cover feeder vertical
- 5 Sheet control
- 6 Touchscreen
- 7 Stitching unit
- 8 90° transfer delivery
- 9 Trimmer
- 10 Conveyor table
- 11 Shingle delivery
- 12 Compensating Stacker
- 13 Waste belt

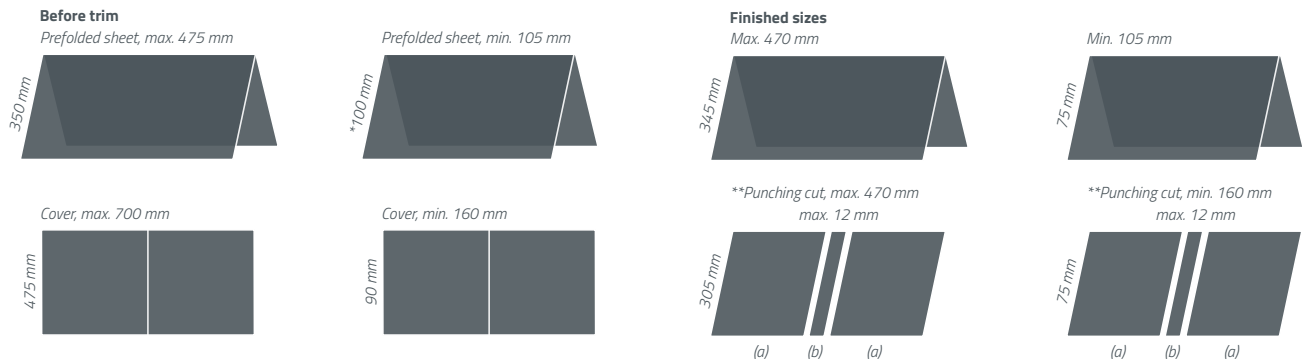
## Technical Information HSB 13.000

Thickness capacity of trimmer	With single production 12 mm, with double-up production half of the width of the punching blade
Maximum stitching thickness	6 mm (for normal staples), (Optional: loop stitching L6 max. 3 mm and L8 max. 2 mm)
Trim allowance	up to 50 mm on all 3 sides (depending on format)
Stitching heads	up to 6 automated HOHNER narrow stitching heads HSS 42/6
Maximum feeder pile length of vertical feeders	approx. 250 mm (depending on paper)
Production speed	500 - 13.000 products per hour (infinitely variable) Depending on format, type of folding and grammage/sqm
Maximum number of feeders	16 plus cover feeder (or 18 feeders without cover feeder)
Supply voltage	400 Volt, 3 phase, 50/60 Hz
Power consumption	48A (with standard configuration: 6x Signature feeders, 1x Cover feeder (vertical)) For other configurations please contact us.

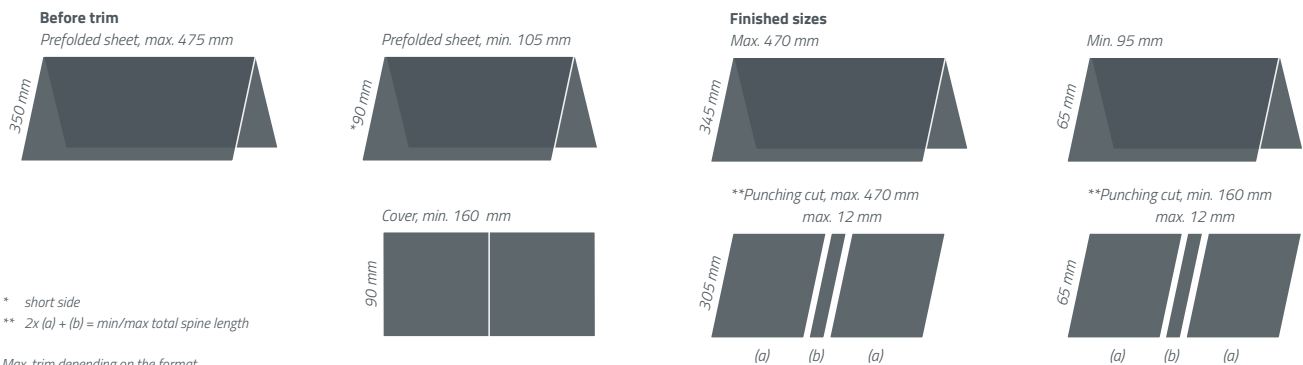
Subject to technical changes..

# Formats

## Standard



## Small (optional)



\* short side

\*\*  $2 \times (a) + (b) = \text{min/max total spine length}$

Max. trim depending on the format.

Max. spine length not combinable with max. signature width.

Subject to technical changes.

# HSB 13.000

Intelligence with flexibility and user friendliness



Do you want to learn more about our products? Get in touch with us! We look forward to consulting you.

## — Headquarters Germany



**Hohner Maschinenbau GmbH**

Gänsäcker 19  
78532 Tuttlingen  
Germany



**Contact**

+49 7462 9468-0

**Technical service**

+49 7462 9468-73

**Sales**

+49 7462 9468-888



**E-Mail**

info@hohner-postpress.com

**USA**

**Hohner Stitching Products Inc.**

2521 Technology Drive, Suite 206  
Elgin, IL 60124 USA

**T** +1 847 7830411

**F** +1 847 7830412

info.usa@hohner-postpress.com

[www.hohner-postpress.com](http://www.hohner-postpress.com)

**Spain**

**Hohner Maquinaria de Artes Gráficas S.L.**

Plaza Narcís Oller 9, 1º 2ª  
08006 Barcelona, España

**T** +34 93 36820-39

**F** +34 93 36823-69

info.es@hohner-postpress.com

[www.hohner-postpress.com](http://www.hohner-postpress.com)

**China**

**Hohner Stitching Technology**

(Nanjing) Co. Ltd.  
Qixia Economic Development Zone  
Runhua Road No. 18-1  
210034 Nanjing, P.R. China

**T** +86 25 83123086

**F** +86 25 83123096

info.cn@hohner-postpress.com

[www.hohner-postpress.com](http://www.hohner-postpress.com)

