Professional production.
Stahlfolder BH/CH.

HEIDELBERG

A partnership that pays off.
Heidelberger Druckmaschinen.

The key to your success lies in the coordinated interaction of people, processes, materials, and machines. We are a reliable and competent partner for all your printing needs. Our user-friendly systems, customized products, and innovative services deliver maximum production quality, make controlling complex processes easier, and help you to avoid errors – all along your production chain. The result: efficiency at the touch of a button. We call it Simply Smart. The advantage for you: simpler and more productive processes thanks to an intelligent, comprehensive, and integrated portfolio optimally tailored to your needs.

→ **heidelberg.com/company**

Our areas

E

Equipment

Rely on future-proof printing and further processing by combining digital and offset printing. Our portfolio for printing machines ranges from cutting-edge digital technologies and offset printing machines attractively equipped as standard to individually configured special machines for maximum productivity and every possible print application.
From prepress to postpress – we enable the entire printing process for commercial and packaging printing. Our machines are networked through the Prinect workflow and can thus exchange production data: for the sake of optimum processes and transparency. Make uncompromising quality your standard.

→ **heidelberg.com/en/equipment**

S

Service

Our comprehensive range of services give you more time for the essentials. With our Technical Services we offer you fast, efficient, and reliable access to our expertise and all the original parts – our service technicians are always close-by. With our Performance Services we work with you to optimize your productivity in all areas of production. Our industry-specific solutions also make us a competent partner in financial matters.

→ **heidelberg.com/en/service**

C

Consumables

You can rely on our know-how and coordinated materials for impressive results. We offer you various complete packages of consumables, allowing you to concentrate fully and entirely on your core competencies. With our online shop, we offer easy access unparalleled in the industry to all the products you need.

→ **heidelberg.com/en/consumables**

Content

Professional folding.
Stahlfolder BH/CH.

Our tried and tested Stahlfolder® BH/CH folding machines offer all the benefits you would expect of Heidelberg®: high reliability, stable productivity, and dependable folding quality. The compact design and the automation options require only a minimum of settings. This makes it easier for you to get started with professional folding and brings your folding up to state-of-the-art standards.

The Stahlfolder BH buckle plate machines and Stahlfolder CH combination folding machines will reduce your throughput times, enabling you to respond flexibly to order peaks. This means that you can avail of additional capacity for producing high-quality folded products at any time, should you need it. The low volume means that your investment will pay itself off within the shortest time, even with one-shift operation.
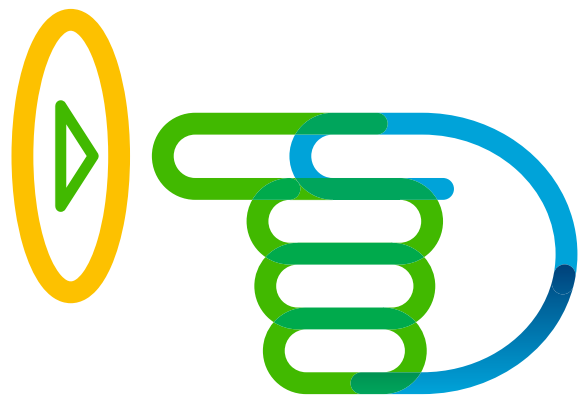
So no matter whether your focus is professional quality and fast turnaround times, consistently high output, or modernizing your postpress setup, the technology of the Stahlfolder BH/CH folding machines will always deliver good results. Their ease of operation makes them suitable for producing a wide range of signatures for producing books or commercial products like flyers.

Build on a reliable partnership for your postpress needs and count on the special qualities of Heidelberg with the Stahlfolder BH/CH folding machines.

Easier makeready.
Operation and automation.

Short throughput times require fast makeready processes. That's why QuickSetup reduces the required settings to a minimum by hiding the ones that are not relevant. It takes just four clicks to make the machine settings, giving you greater flexibility when planning your personnel.

Efficiency at the touch of a button.
Our innovative and intuitive operating concepts and the high level of automation offer you reliable performance and a noticeably reduced workload for your employees. For outstanding quality and productivity.

Control the machine using central control panels at the feeder as well as at downstream accessories right through to the delivery. Automated versions of the Stahlfolder BH/CH folding machines are also equipped with a clearly arranged touchscreen and the new QuickSetup control mode. QuickSetup reduces the control complexity to the most important settings. Just a few selections are required to make the folding machine ready: the sheet format, the grammage, and the fold type. This not only prevents make-ready errors, but also prepares your folding machine for production in just four clicks.

The setting data from well over 1,000 folding programs can also be saved directly on the folding machine. It can then be called back up at any time along with all the fine adjustments made during production. This greatly reduces the setup time for recurring fold types and jobs.

You can additionally connect your folding machine to the Prinect® print shop workflow in order to precisely record the operating data. This will help you when preparing product costing analyses, for example. For profitable folding in the future also.

➡ **You can find more on operating and automating the Stahlfolder BH/CH here: heidelberg.com/en/bh-ch**

E

The integration of postpress:
Prinect – the integrated print and media workflow.

· Automation and control of the entire manu-facturing process for printed products
· Fast and transparent processes thanks to the accurate collection of production data
· Automatic calculation of folding programs on the basis of digital prepress data for the reliable setup of folding machines
· Conversions and downtimes are greatly reduced
· Clear evaluation of machine efficiency in charts and tables

➡ **heidelberg.com/en/prinect**

Leader in postpress.
15 clear benefits.*

You can find more information about the economic benefits and high-efficiency advantages of your Stahlfolder BH/CH folding machines, such as operating figures, sample calculations, and application references here:
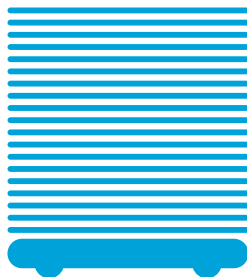
➜ **heidelberg.com/bh-ch/efficiency**

Makeready

Up to

30 %

time savings when setting up the folding machine thanks to **automated setting** of folding rollers, slitter shafts, and buckle plate stops.

Reduced setup time: **save job data** and call it up again quickly for repeat jobs or reprinting.

Use **QuickSetup** and just

4 clicks

to make all the required **settings**.

Ergonomics

Control panels at each folding station **reduce walking distances** for the operator.

Familiar machine operation thanks to **uniform Heidelberg user interface.**

Availability

High dependability and planning reliability thanks to features like the helically toothed drive, ExtraGrip folding rollers, and the Tremat sheet separator.

Homing of the buckle plate stops and folding rollers to their initial position after each job **reduces wear.**

Downtimes reduced by

90 %

with **Expert Support and Remote Services**.

Productivity

7,000 – 9,000 sheets per hour

Dependable productivity: stable production process and high folding quality, even under deadline pressure.

Increase **production capacity** by up to

25 million

folded sheets per year.

Minimize downtimes through **parallel production and loading** with the preloading device at the flat pile feeder.

Add more value to your folding with additional modules such as a gate fold buckle plate, gluing attachment, and print image recognition system.

Economical folding with a hybrid job structure: short makeready times for short runs combined with constantly high output for long runs.

3 jobs in 5 minutes

with the Stahlfolder CH 56 KT auto.

Ecology

Adopt presetting data from the workflow and **reduce paper waste.**

* See reverse

Outstanding characteristics.
The facts at a glance.

Solid, reliable top performer with 100 percent technology from Heidelberg: Stahlfolder BH/CH folding machines offer you production reliability and high availability right from the start. For profitable folding of a wide variety of different jobs.

Equipment:
- MCT touchscreen control for easy and intuitive operation
- QuickSetup control mode for fast, faultless makeready at the touch of a button
- Motor-controlled buckle plate and folding roller positioning in automated machines for precise makeready
- Production and loading using the preloading device for increased net output
- Tried and tested Tremat sheet separation system for high process reliability
- ExtraGrip folding roller with helically toothed drive for slip-free sheet transport
- Short throughput times, even with frequent job changes, thanks to the automated parallel folding units of the Stahlfolder BH and the automated cross-fold unit of the Stahlfolder CH 56 KT auto

Highlights:
- Wide range of applications, from standard folding jobs through to special applications involving a gate fold buckle plate or gluing attachment
- High flexibility with low investment volume: can be used as an entry point into professional folding, to modernize your machinery, and to respond to order peaks
- Assured economy: intelligent automation means that even short runs can be profitable
- Tried and tested Stahlfolder technology for high folding quality
- Dependable productivity with machine performance of up to 9,000 sheets per hour for 16-page signatures in DIN A4 end format

➡ **You can find more about the details of the Stahlfolder BH/CH here: heidelberg.com/en/bh-ch**

S

Technical support online:
Remote Diagnosis.

- Troubleshooting and user support online at any time
- Transfer of machine data as preparation for on-site maintenance assignments
- Accelerated support = shorter downtimes, faster resumption of production

➡ **heidelberg.com/en/diagnosis**

E

The perfect printing solution:
Speedmaster equipment.

- Solutions for commercial printers, packaging printers, and specialists
- Preconfigured standard offset machines with attractive terms and conditions and fast delivery times
- Individually configurable machines
- Maximum productivity
- Consistent, simple operating concept
- Intelligent automation

➡ **heidelberg.com/en/equipment-speedmaster**

This and all following information is dependent on the machine configuration, job structure, and organization of internal procedures. Some of the components mentioned are not included in the standard equipment.

Motor-controlled combination buckle plates for precise positioning of the sheet stop.

Fast intervention via control panels at the feeder and the downstream stations.

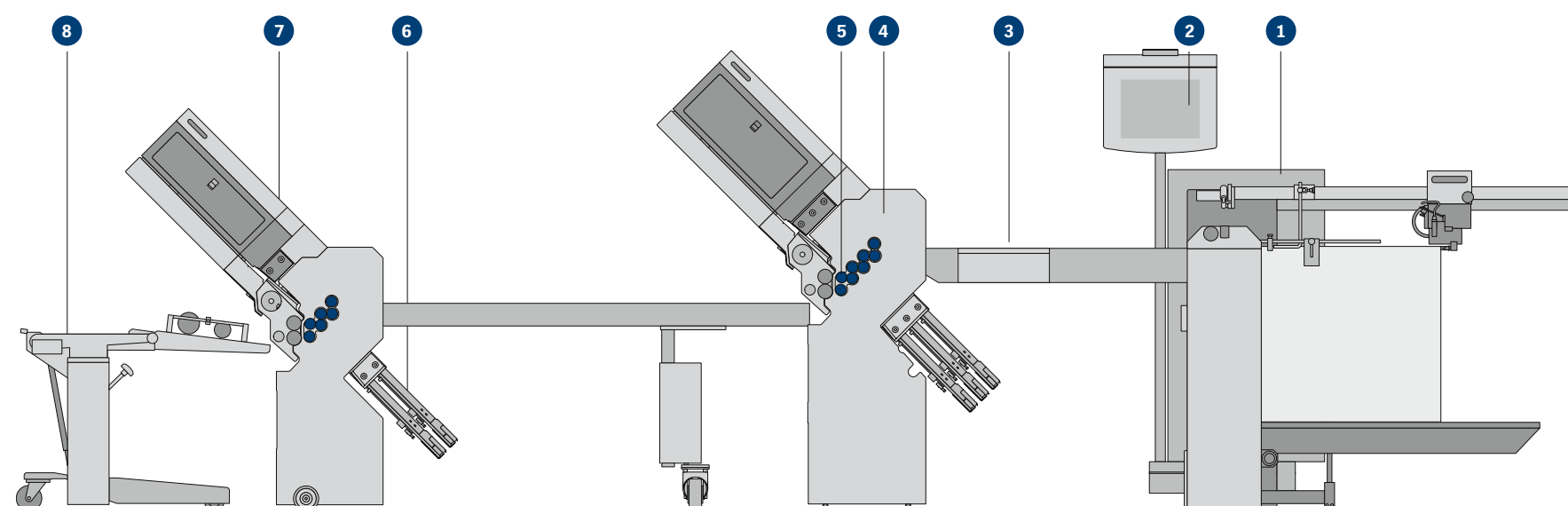Fast and flexible use of swing-deflector buckle plates as sheet deflectors.

Slip-free sheet transport in the roller frame thanks to ExtraGrip folding rollers and helically toothed drive.

Non-stop production for long runs with reliable round continuous feeder.

Preloading device for parallel loading of a mobile pile table during production.

1 Feeder
Our flat pile, round continuous, and pallet feeder versions ensure demand-driven, fast loading in just a few simple steps at an ergonomic working height with a stable separation process and precise sheet alignment.

2 MCT modular control system
The graphical interface makes for easy operation. It takes just four clicks to make all the required settings thanks to the touchscreen and QuickSetup mode.

3 Accessories
A gluing attachment and print image recognition system can additionally be integrated at the alignment table. This enables the production of end products with high added value on the folding machine.

4 Folding units
The buckle plate folding units are available in working widths from 56 to 82 cm and with up to six buckle plates. Combination folding machines with a cross-fold unit reduce the amount of space required.

5 Folding rollers
The ExtraGrip folding rollers with soft PU or optionally hard PU reduce marks and ensure precise, slip-free sheet transport – even with difficult papers.

6 Buckle plates
Manual swing-deflector buckle plates or motor-controlled combination buckle plates are suitable for all applications. Optional gate fold buckle plates increase the value added during folding.

7 Slitter shafts
Rear-mounted slitter shafts permit processes such as creasing, perforating, and cutting. This increases the folding quality and permits production in multiple ups.

8 Deliveries
A suitable delivery can be chosen for every requirement. That's because the Stahlfolder BH/CH folding machines are compatible with all the deliveries in our range.

→ **You can find more about the technical data for the Stahlfolder BH/CH here:**
heidelberg.com/bh-ch/technical-data

The machine shown is a sample configuration. Some of the equipment features mentioned are optional.

Efficient folding of short-run jobs.
Automated cross-fold unit.

Intelligent automation enables professional folding to be added to short and medium offset and digital print runs. Stay profitable with the Stahlfolder CH 56 KT auto – particularly with frequent job changes.

The cross-fold unit of the Stahlfolder CH 56 KT auto with motor-controlled buckle plate after the folding knife is fully automated – for the first time in the 50 × 70 cm format class. Once the job data is entered on the touchscreen, all the necessary variables in both the cross-fold unit and the parallel fold unit are adjusted using motor control. This reduces your makeready times. The constant high output of the Stahlfolder CH 56 KT auto makes it ideal for longer runs. This means that you can still be successful with a hybrid job structure consisting of short digital print runs and longer offset print runs.

Our Stahlfolder CH 66 and CH 78 combination folding machines come in different versions: Choose between a manual or automated buckle plate folding unit with four or six buckle plates and between the manual cross-fold unit versions KL, KTL, KLL, and KTLL. All components of the cross-fold unit are easily accessible and easily made ready. The robust design of the folding machines guarantees you constant output and adds another layer of protection for your investment.

→ **You can find more about the cross-fold unit of the Stahlfolder CH here: heidelbeg.com/en/bh-ch**

E

Versatility for short production runs – the perfect complement to offset: **Heidelberg Versafire.**

· Widest range of grammages from 52 g/m^2 up to 400 g/m^2
· Innovative toner technology with low melting point for a broad range of applications
· New applications thanks to white, varnish, UV, and neon toners
· Banner printing up to 700 mm for oversize applications
· Full process control with Prinect Digital Frontend and shared RIP technology for high data integrity and perfect results

→ **heidelberg.com/en/versafire**

Productivity guaranteed.
Delivery systems.

Stahlfolder BH/CH folding machines can be combined with all deliveries from the Heidelberg range. This is how you bring the benefits of your Stahlfolder folding machine to the pallet also.

Top left: SAF stream delivery

Top right: SPH stream delivery with pressing device

Bottom left: SBP horizontal stack delivery with pressing device

For an efficient folding process, the sheets must be delivered quickly and without any marks to the pallet for sale or finishing into an end product. Our wide range of deliveries is sure to have the right one for your needs. Whether a stream delivery for short runs of flyers or the horizontal stack delivery for long signature runs, you can rely on the quality of our deliveries.

The SAF 56, SAF 66, SAL 66, and SAK 94 stream deliveries are suitable for a wide range of folding jobs. Their adjustable height and good mobility make them suitable for universal applications.

The SBP 46, SBP 66, and SBP 86 horizontal stack deliveries with pressing device are particularly suitable for processing medium to long production runs. The high-capacity pile table is at an ergonomically comfortable height for unloading.

The conveyor belts of the SPH 70 and SPH 100 stream deliveries with pressing device pick up the sheets coming from the folding machine and guide them through the pairs of pressing rollers without marking them. For sharper folds and better quality. You can control the entire machine configuration using the integrated control panel.

➔ **You can find more about the flexible delivery systems here: heidelberg.com/deliveries**

The right solution for every postpress requirement.
You are looking for reliable and cost-effective solutions for postpress. We have them.

Applications.
Ahead of the competition.

16-page signature in DIN A4 end format – efficient processing of standardized jobs.

Trick fold – precise folding of sophisticated fold types.

The Stahlfolder BH/CH folding machines have a wide range of applications. Produce even challenging folding jobs without any restrictions in the product quality. You also increase the added value during folding and can offer your customers products that set them apart from the competition. Here are two examples.

Signatures for book production are generally printed in longer runs. This ensures a good level of utilization for your folding machine. With the Stahlfolder BH 82, you can produce 16-page signatures in DIN A4 end format at a speed of up to 9,000 sheets per hour.

Sophisticated fold types increase the added value during folding. A 32 × 47 cm printed sheet with a grammage of 135 g/m² can be transformed into an attractive end product on your folding machine by first applying the 'frog fold' method and then a center parallel fold. For example with the Stahlfolder CH 56 KT auto at a speed of up to 12,000 sheets per hour.

➡ **You can find more about the possible applications of the Stahlfolder BH/CH here: heidelberg.com/bh-ch/user-reports**

Simply get in touch.
Your dialog with Heidelberg.

You and your company's success are our prime focus. To be able to realize this ideal, it is important for us to know your wishes and requirements. Only then can we offer you a customized printing solution that works perfectly for you.

We look forward to hearing from you!
Get in touch with us for more information, a customized offer and everything else about Heidelberg and the Stahlfolder BH/CH folding machines you would like to know.

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