

All-rounder of the extra class.
The Stahlfolder TH/KH Series.





Reach new heights. Machine and more.

With the folding machines from the Stahlfolder® TH/KH series, you differentiate your company from the competition and open up new possibilities for expanding your range of applications.

Whether one-, two-, or three-shift operation, you produce economically and in the best quality. With the high level of automation and intuitive operating concepts, you also compensate for the shortage of skilled workers in the industry.

Benefit from digitization with HEIDELBERG®: In production, it simplifies the control and operation of the machines. On a commercial level, it offers insights into productivity at all times.

Via HEIDELBERG, you also get access to an ecosystem that offers real added value – with service, consumables, digital services, software, cloud-based solutions, training and advice, inventory management, and logistics. As the first folding machine manufacturer, HEIDELBERG offers you even more: The CO₂ footprint of all Stahlfolder products is offset at no cost to you through Gold Standard certified projects.

 [heidelberg.com](https://www.heidelberg.com)

Complex requirements. Competent answers.

With whatever requirements you are being confronted by your customers, with a Stahlfolder TH/KH folding machine you can offer solutions that can be reliably implemented. For the benefit of your customers and for the success of your company.

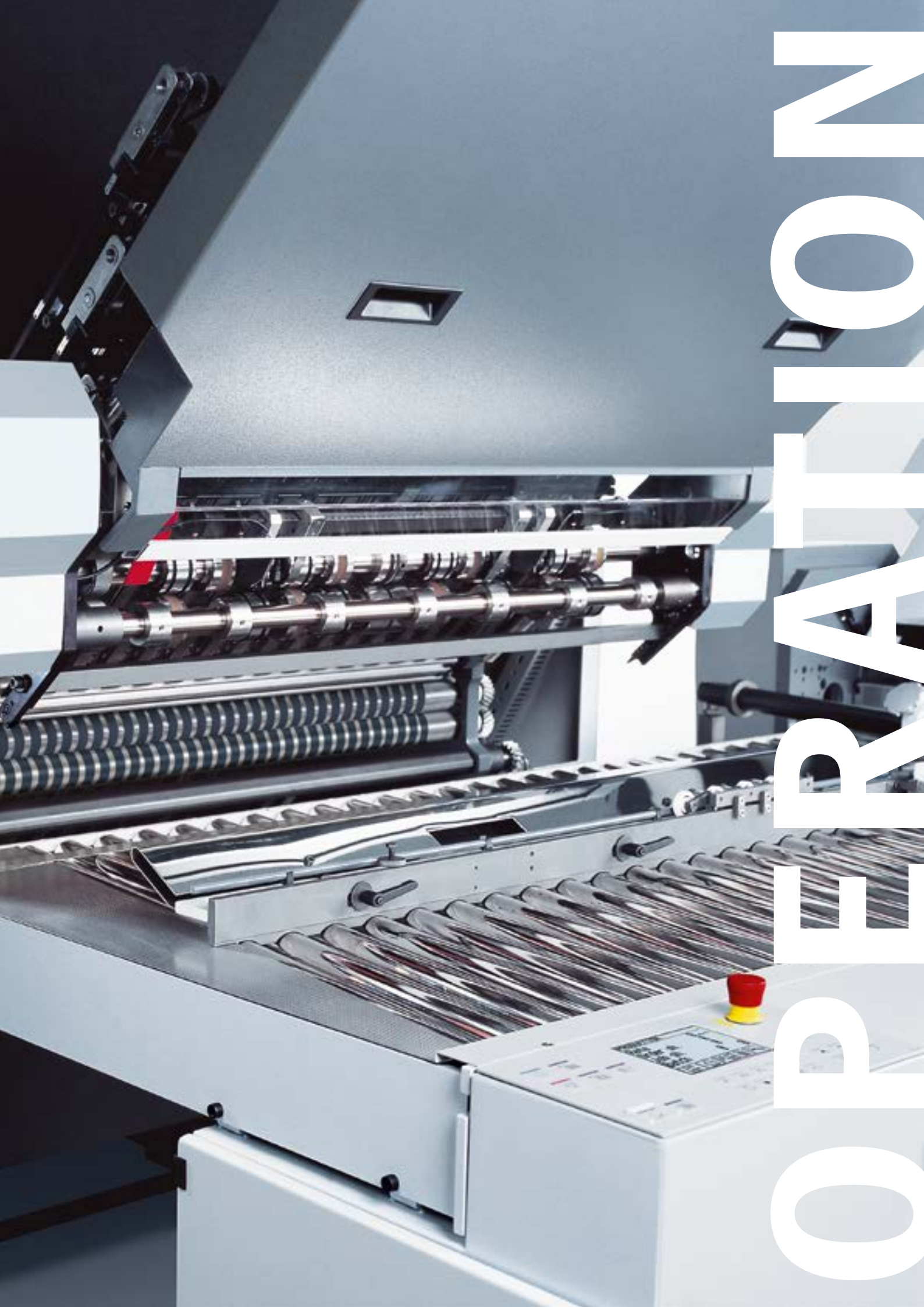
The Stahlfolder TH/KH: that are buckle plate folding machine TH and combination folding machines KH, each in different working widths. Each member of the family has special talents. They all impress with their range of applications, flexibility, and reliability.

Stahlfolder TH/KH folding machines are consistently modular designed. Based on numerous options, you can – depending on customer requirements – expand your range of applications. Through the unique modularity up to individual configuration, you increase your added value. This helps you to set yourself apart from the competition and open up new business areas.

Efficient production of a wide variety of jobs with a Stahlfolder TH/KH is further enhanced by two other factors: On the one hand, extensive automation options and an ergonomic machine design simplify the operation. On the other hand, the high machine availability gives you security in production planning.

 heidelberg.com/en/th-kh





PROFESSIONAL

Reliable performance. Relief for the team.

Thanks to quick and intuitive adjusting using graphic symbols, new jobs can be prepared much more easily. The operators are relieved and freed up for other tasks.

Benefit from the advantages of the Stahlfolder TH/KH series:

Makeready times

Fast and simplified adjustments

Long makeready times are a thing of the past with a Stahlfolder TH/KH folding machine. New jobs can be prepared much more easily and quickly thanks to quick and intuitive adjusting using graphic symbols and thanks to the extensive fold type catalogue. The operators are relieved and freed up for other tasks. Shifts can be planned in a more flexible way.

Cost-effective

Quick and intuitive adjustment

Thanks to shorter makeready times, all numbers of impressions can be folded efficiently and profitably. With a Stahlfolder TH/KH, you can fold e.g., 16-page DIN A4 signatures at 9,000 to 12,000 sheets/h with process reliability and consistently high quality.

Flexibility

More functions with option packages

Thanks to the modular design, the functionality of the Stahlfolder TH/KH can be expanded using optional packages. You can increase the variety of applications, e.g., with modules such as gatefold buckle plates and gluing devices. However, special safety requirements, e.g., in the pharmaceutical industry, can also be met. With the Stahlfolder TH 56-Pharma, you can reliably monitor the folding of small-format package inserts – e.g., with a camera system for barcode and print image monitoring.

State-of-the-art technology

Automated cross fold

An example of a technology highlight from HEIDELBERG in operations is the automated cross fold. It increases net output and shortens throughput times. Due to the very high degree of automation, the Stahlfolder KH 66 and KH 82 are among the fastest to makeready machines on the market.



AUTOMATION

15 minutes makeready time. Instead of (up to) 2 hours.

Short makeready times and as few manual engagements as possible. With the Stahlfolder TH/KH folding machines, you can achieve both – and thus ensure the profitability of your production in a highly competitive market environment.

Your added value thanks to automation:

Short makeready times

Fast and simplified adjustments

The secret of the impressive productivity of the Stahlfolder TH/KH folding machines lies in consistent automation – from the folding roller settings to the sheet stops to the angle settings. All of the key variables are motorized and precisely makeready on the automated models. This enables makeready times of less than 15 minutes – instead of up to two hours for complex jobs, as was previously the case.

High profitability

Memory feature and degree of automation

Your employees can easily carry out the few manually required adjustments on the touchscreen. You can access saved production data at any time and process repeat jobs more quickly. This minimizes unproductive standstills, and frequent job changes do not have a negative impact on productivity and cost-effectiveness.

Higher productivity

thanks to digital and automated processes

In order to increase transparency in your production, the automated Stahlfolder TH/KH models offer you two options for recording operating data precisely. Either you use the integrated data interface **Postpress Data Ready** or you connect the folding machine directly to the HEIDELBERG Prinect Workflow.

Compatibility

Flexible and fast system integration

The optional data interface **Postpress Data Ready** automatically provides the basic operating data of the folding machine in standardized XML format. This means that the data can basically be integrated into any system.

Automatization

Fast and easy processes

If you work with the Prinect Workflow, the corresponding data interface for connecting the folding machine is standard integrated. In this case, the functionality goes beyond the mere detection of operating data. For example, you can send job preset data from prepress directly to the folding machine.

More transparency

Reduce costs

Whichever solution you choose: You increase transparency in postpress, thereby controlling production more efficiently and recognizing cost-cutting potential more easily.

STAHLFOLDER



The **horizontal stack delivery SBP** suitable with high storage capacity for medium to long runs.



The **lift kit** enables easy access to the rear mounted **slitter shafts**.



The **Perfect Grip folding rollers** are low-maintenance, forgiving and ensure excellent folding results.

R TH/KH



The **optional gatefold buckle plates** enable special types of folds and thus increase added value.



The **AirstreamTable** aligns the sheet precisely.



The **flat pile feeder FFH** with **Tremat** ensures reliable sheet separation.

9

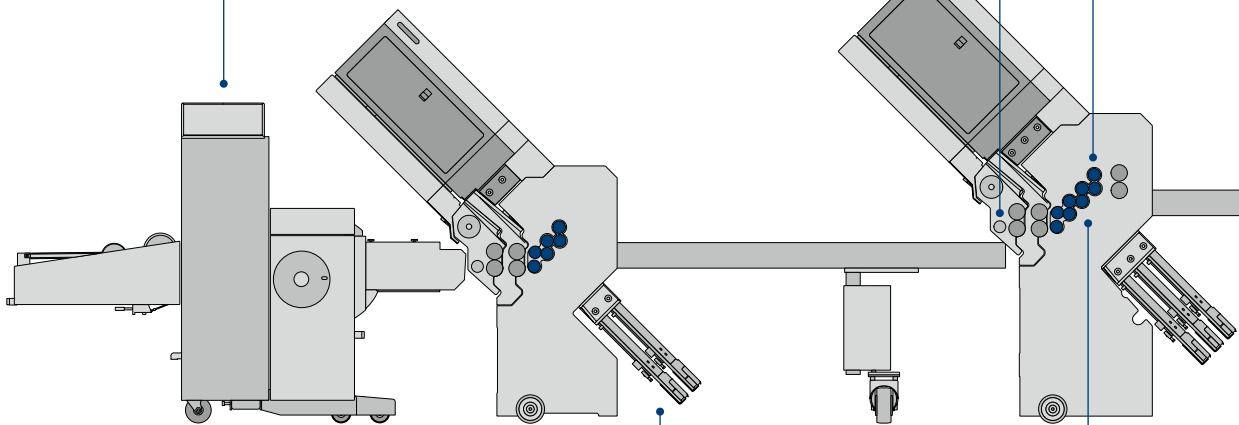
Deliveries

An optimal delivery can be selected for each configuration: different stream deliveries, stream delivery with press function SPH, horizontal stack delivery SBP, or the high-performance delivery palamides alpha hd.

7

Slitter shafts

Slitter shafts before and after the folding unit enable further processing such as creasing, perforating, and trimming. With the slitter shaft lift double rear mounted slitter shafts can be conveniently brought to an ergonomically favorable working height.



8

Buckle plates

Buckle plates with swing deflectors offer high functionality. Combination buckle plates, combination buckle plates in comfort design, and motorized combination buckle plates convince with their maximum flexibility. Special applications are possible with gatefold buckle plates.

6

Folding rollers

The Perfect Grip folding rollers combine the advantages of Soft- and Hard-PU folding rollers and even exceed them: the breaking sharpness and wear resistance of Hard-PU folding rollers combined with the ease of adjustment of Soft-PU folding rollers.

4

Folding units

Different working widths from 56 to 96 cm and coordinated numbers of buckle plates (2–8) are available for the buckle plate units one to four. Combination folding machines combine the buckle with the knife fold principle and are available in working widths from 66 to 82 cm.

2

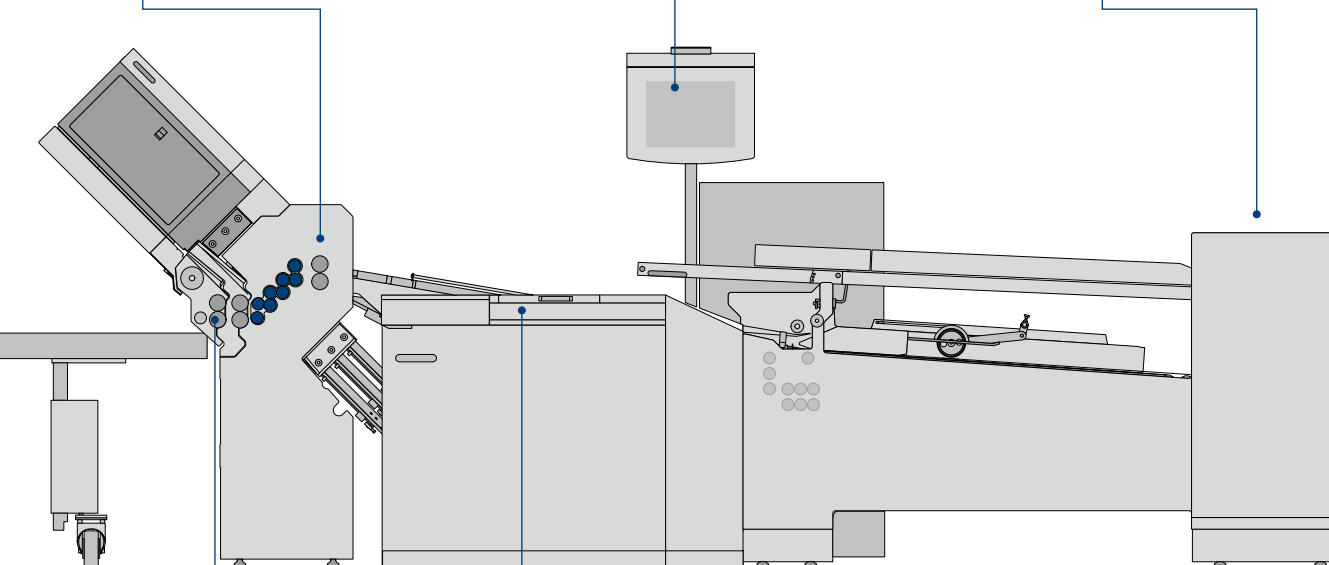
Modular control system MCT

The graphical interface makes the operation easy. Thanks to the modular design of the control system, the functionality of the machine can be expanded using optional packages for special applications. The interface for connecting to the Prinect® Workflow is standard integrated. Alternatively, data export is possible with Postpress Data Ready.

1

Feeders

With four feeder variants up to the highly productive PFX pallet feeder, the optimum configuration is available for every requirement. The AirstreamTable with automated air control ensures the simplest makeready and mark-free sheet alignment.



5

Integrated pressing device

The automated press device optionally integrated into the folding unit increases the fold quality for the subsequent stations and the piling capacity.

3

Accessories

Additional units such as gluing devices, water scoring, printed image and barcode recognition, and sheet ejection can be integrated into the AirstreamTable.



Further information and technical specifications for your Stahlfolder folding machine can be found here:

➔ heidelberg.com/th-kh/technical-data

From standardized signatures. To fold-ins.

Stahlfolder TH/KH folding machines impress with high modularity and a wide range of applications. This allows you to produce standardized signatures at a consistently high level as well as unusual types of fold-ins.

High performance with a wide range of applications.

Signatures for book production are usually standardized and offer few opportunities to distinguish yourself from the competition. One way to do this: Three cross folds turn a 63 × 88 cm print sheet into a 16-page signature in the final format DIN A4. With the Stahlfolder TH 82, you can produce this job for postpress on a saddle stitcher or perfect binder at up to 12,000 sheets/h.

You increase the added value when folding with sophisticated types of folds such as gatefolds. The closed fold type with eight pages requires particularly high precision. With the Stahlfolder TH 66 and the additional gatefold buckle plate, you can produce this job in the final format of 47 × 17 cm at up to 14,000 sheets per hour.

Small folds, such as package inserts for the pharmaceutical industry, put very special demands on production. If you want to expand your offer to this market, the Stahlfolder TH 56 – Pharma is the right solution for you. Numerous options and additional modules increase the added value and provide support, e. g., with the necessary process monitoring. However, what makes the TH 56 a game changer is the high degree of automation. You can use it to produce sophisticated products economically and flexibly, even in small runs.

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“With an automated folding machine that also processes products for the pharmaceutical industry, we can both expand our range of products for existing customers and generate new growth opportunities in other segments.

MATT GALLOWAY

Managing Director
Managing Director Galloways Printers
Poynton/England



Find out what our customer say:

→ heidelberg.com/en/th-kh

Everything you need in one place. The HEIDELBERG ecosystem.

Remote Services

Enjoy the benefits of fast and remote problem solving, maintenance and analysis of machine performance.



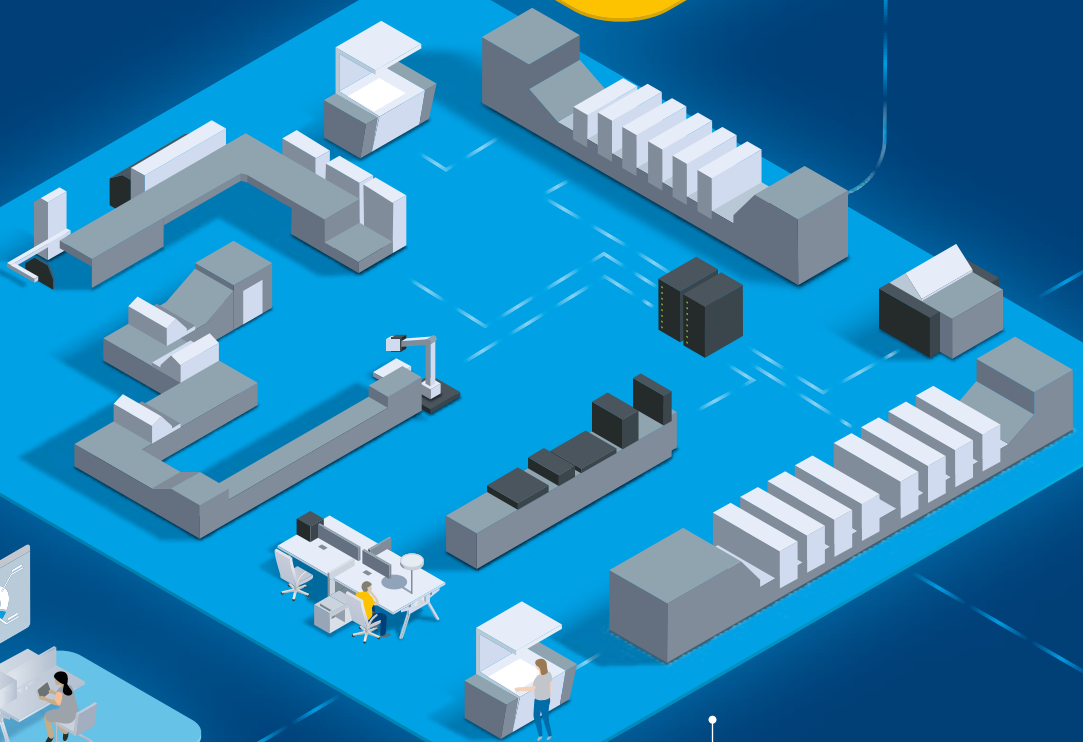
On-site services

From technical service to parts delivery: To ensure stability in your production, we provide 24/7 support worldwide.



Prinect Business

Automate your commercial processes and see where you make or lose money.



Prinect Production

Make your print processes perfectly seamless with volume-based pricing.



End-to-end production workflow

Increase productivity with speed, quality, digital integration, and reliability.



Every print shop is different, and every customer has unique, comprehensive needs. That is why we have developed our offerings to serve these needs all across the spectrum. What makes us

unique is that you can find everything here that makes your print shop smarter, faster, and better. Make HEIDELBERG your one-stop shop for everything that contributes to your success.



The digital customer portal

Reach cloud-based production, shopping, support, reporting, and administration services from anywhere, at anytime.



Sustainable production

Go green and reduce waste and energy consumption with our sustainable solutions.



Saphira® Consumables

Use proven and tested consumables optimized for your HEIDELBERG equipment, including an eco-friendly product line.



The right investment

HEIDELBERG machines have a high resale value. If you invest in it today, it will pay off in the future.



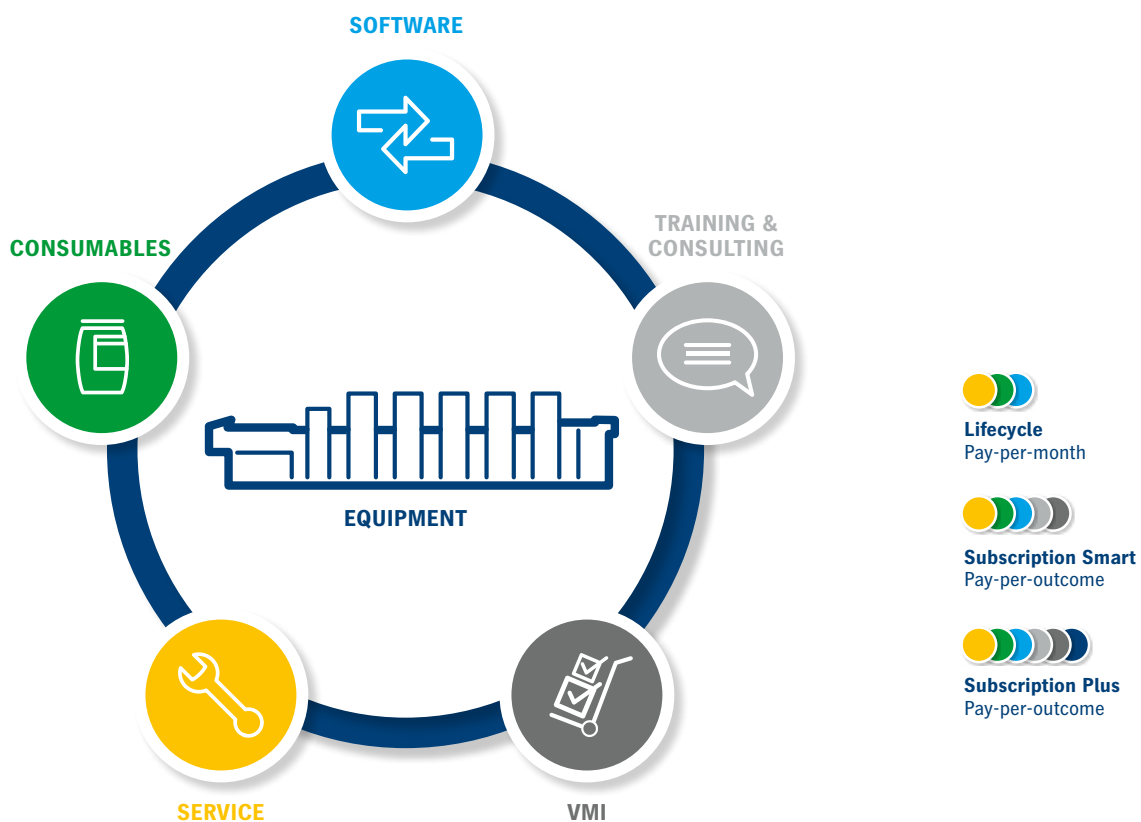
Print Media Center Network

Experience our equipment running at three locations: Wiesloch-Walldorf (GER), Atlanta (USA), Shanghai (CHN)

HEIDELBERG Contracts.

Contract packages as individual as your requirements.

You benefit from a combination of best-in-class products from **HEIDELBERG**. Our Lifecycle and Subscription packages help you keep your machines running at their best.



Our contracts are scalable to your needs: We put together a lifecycle contract package for you from at least two of the three components – service, consumables and software. This offers you everything you need for reliable and stable printing production. The services are billed on a monthly basis. Subscription also includes training and consulting, Vendor Managed Inventory (VMI), and optional equipment. VMI automates the management of consumables. Thanks to the strong partnership with HEIDELBERG, you can enjoy the benefits of a comprehensive and optimized print production

system. With Subscription, payment is made per printed sheet.

The following applies to both packages: You reduce your process costs and gain more time for your customers.

Have we piqued your interest? Let us work together to create your customized solution package that best fits your needs.

➔ heidelberg.com/contracts



How can we help you? Get in touch with us.

We hope that this brochure will inspire you. There is more we can tell you about how we could make your printing business more efficient and profitable.

If you are interested in the Stahlfolder TH/KH or would like to learn more about what we can offer, feel free to **contact us**. We're only ever an e-mail or phone call away.

Reach us by email

➔ contact@heidelberg.com

Use the contact form

➔ heidelberg.com/info

Please find the phone numbers of your local sales organization here:

➔ heidelberg.com/contact



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