



The all-rounder. **Speedmaster SX 52.**



We accompany you. On your journey into the digital future.

For over 160 years, Heidelberg has prided itself on having a vital edge. That's why print shops all over the world trust our expertise and experience. Now they are also looking to us to help with the digital transformation of their business. As a reliable partner and technology pioneer, we create added value. We do so by providing printing systems that use Push to Stop technology for autonomous, top-quality production and data-supported services. Services that are paving the way to the Smart Print Shop – the digitally connected, intelligent, highly automated print shop of the future. For better decisions, higher productivity, and enhanced efficiency.

We laid the foundations 15 years ago by creating presses that were connected online and analyzing the data to boost performance and availability. Today, we offer you an entire ecosystem for digitizing value creation at print shops. As well as smart services such as predictive maintenance. You also benefit from trendsetting business models such as pay-per-outcome. Under this model, Heidelberg provides all the necessary equipment, software, consumables, and services. You simply pay for the number of sheets printed – for “productivity on demand” that can be flexibly adapted to your requirements. We call this “Simply Smart”.



Contents

04
Speedmaster SX 52

06
10 clear benefits

07
Optimizing OEE increases profitability

08
The new Heidelberg User Experience on the Speedmaster

09
The facts at a glance

15
Prinect Workflow

16
UV finishing

17
Special applications for the Speedmaster SX 52

18
Your dialog with Heidelberg





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The all-in-one solution. **Speedmaster SX 52.**

The Speedmaster® SX 52 is one of a kind in A3 format. Equipped with the latest technology, and tried and tested with over 40,000 units sold, it provides an alternative way for print shops to compete with web-to-print and digital printing.

Open up new markets: the Speedmaster SX 52 sets standards whether with UV technology for premium finishing treatments, or as an eight-color or perfecting press.

Both smaller and large print shops can benefit from the Speedmaster SX 52. It is designed for high productivity with printing speeds of up to 15,000 sheets per hour. Thanks to the Prinect Press Center® 2 control station, it is easy to operate and can be integrated into the Prinect® workflow.

Another plus: each Speedmaster SX 52 is backed up by the comprehensive service offering from Heidelberg®. This enables you to get the most from your printing press at all times thanks to perfectly coordinated consumables, maintenance, remote functions, and an international service and spare parts network.

Count on the Speedmaster SX 52.

Leader in the printing process.

10 clear benefits.

Availability

3.5 days

extra production time per year by using combined blanket and impression cylinder washup device. **No more additional washing.**

30,000

printed sheet sides per hour thanks to the fully automatic perfecting device.

0 minutes wait time. Straight into postpress without any drying time thanks to **UV technology.**



Protective foil instead of metal. Only **1 minute** instead of four minutes for the ink **duct cleaning.**

Productivity

100 %

Transparency even with complex job changes by the innovative, navigated user guidance Intellistart 3.

Navigated printing. Just **2 clicks** to select and release jobs for printing.

Less is more. The innovative feeder needs very few settings. The result: **short makeready times** and

251

more completed **jobs** per year.

60 minutes faster in progress thanks to freely positioned sheet brakes and Venturi sheet guidance **for faster work-and-turn.**

Quality



100 %

color fidelity in production, less paper waste, and easy reproducibility thanks to **colorimetric** control with Prinect Easy Control.

Over

40,000

printing units sold: **perfect technology** for the commercial printer.

Greater success in the market. Optimizing OEE increases your profitability.

With the drupa 2020 generation, Heidelberg offers you the most highly automated and most intelligent Speedmaster yet. The smart machines take advantage of the huge spectrum of digital possibilities. The result: outstanding productivity and a significant increase in overall equipment effectiveness (OEE). Heidelberg's Push to Stop philosophy raised to a whole new level.

The future of industrial printing

Integrated communication along the entire process chain is the future of modern print production. The key to this is digital connectivity with the Prinect print and media workflow.

OEE – the key performance indicator for productivity

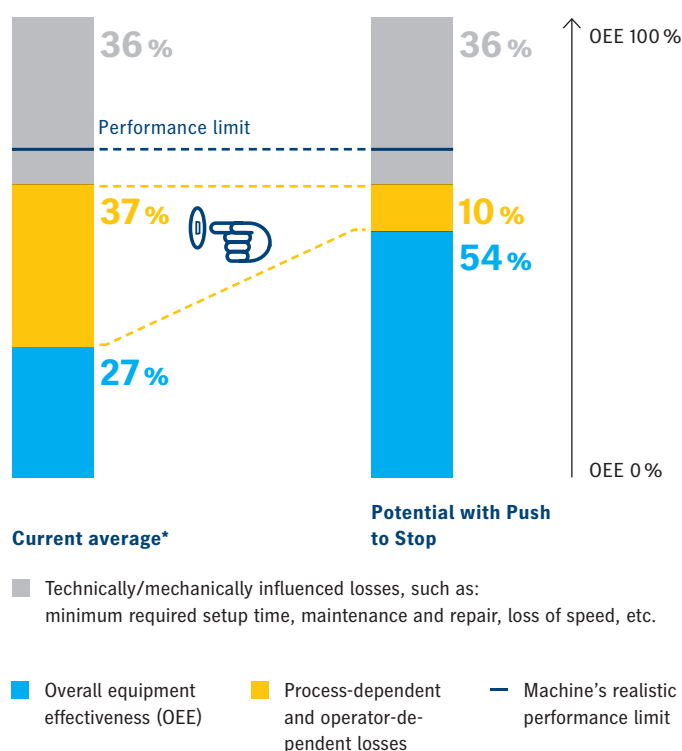
The availability, performance and quality of a production system determine how effectively it is operated in practice. The average OEE across all format classes is currently around 20 percent, while the Speedmaster XL 106 with Push to Stop already has an OEE of 27 percent. By implication, it is still possible to raise efficiency by 73 percent. Around half of this potential is tied to technical aspects (gray bar), while the other half relates to processes and operators (yellow bar). While technical improvements have only an indirect effect on OEE, improvements relating to processes and operators directly raise the OEE and offer the greater addressable potential at the same time – with Push to Stop, Heidelberg is focusing precisely on this potential.

Impact of Push to Stop on OEE

The machine's intelligence minimizes the operator's influence on performance. Productivity is increased, processes are sped up, and become plannable and reproducible. The operator is navigated through the processes at a modern and attractive workstation, and in this way is better equipped to handle the greatly increased day-to-day requirements. Push to Stop on a new level.

Increasing overall equipment effectiveness (OEE)

Significant reduction of process-dependent and operator-dependent downtimes through Push to Stop.



*OEE analysis 2020 Speedmaster XL 106 and a run of 4,600 sheets

Printing has never been so easy.

The new Heidelberg User Experience.

Immerse yourself in the new world of the Heidelberg User Experience (UX): completely rethought and clearer than ever before, it sets new standards for the user experience on the Speedmaster. The Prinect Press Center 3 with the new Speedmaster Operating System simplifies operation through one-of-a-kind navigation and new assistance systems, thus ensuring predictable results and increased performance.



A clear view for quality and precision

Heidelberg UX is the holistic and intuitive operation of all Heidelberg touch points. Intelligent assistants and a uniform user interface reduce complexity and simplify production processes.

Focus on you, the user

The Speedmaster Operating System with intuitive touch control turns the convenient control of the new Speedmaster into an experience. Settings can be called up with a click, and the scalable operation can be flexibly adjusted in accordance with the requirement profile. Intuitive operator guidance, innovative gesture control, and integrated help functions eliminate lengthy searches.

The Speedmaster Operating System delivers fast, simple and navigated use of all your machine's functionalities.

The most intelligent Speedmaster yet – assistants for key processes

Integrated assistance systems make your work easier. They look after routine tasks and ensure reproducible results.

Push to Stop – reliable performance day after day through one-of-a-kind navigation and automation

For the first time, navigated printing with Push to Stop is possible on all Speedmaster machines. The patented Intellistart® 3 defines all the steps required for the job change without any operator intervention and provides maximum transparency across all active and queued processes. Intelliguide® simulates the time-optimized sequence live and, if necessary, also includes the steps to be executed manually.

What this means is a new era of navigated printing with Push to Stop.

Perfect data and color management with Prinect

The Prinect Press Center® 3 links the printing press to the print shop's Prinect® workflow. Job data can be

Outstanding characteristics.

The facts at a glance.



Highlights:

- Prinect Press Center 3 control station with intuitive operator guidance system Intellistart for fast and process-oriented setup and extremely user-friendly operation.
- Feeder with central suction tape for fast material changes and the flexibility to process a wide range of substrates.
- Easy-to-clean ink fountain with ink fountain liner for fast ink changes and short makeready times.
- Ink-repelling, replaceable cylinder jackets for top quality at high speeds.
- High-pile delivery with Venturi nozzles for gentle sheet guidance during straight printing and straight printing and perfecting.
- With 15,000 sheets per hour and a wide variety of configuration options, the Speedmaster SX 52 offers unique solutions in 35 × 50 cm (13.78 × 19.69 in) format.
- UV technology for the economical production of highly finished print products without any drying time opens up new areas of business.
- Extensively automated, convenient, and safe to operate, the Speedmaster SX 52 is flexible enough for a wide range of tasks.

→ You can find the technical data for the Speedmaster SX 52 here: heidelberg.com/sx52/technical-data

A flexible all-rounder. For both performance and economy, and a wide range of substrates and grammages. Its energy and resource efficiency make the Speedmaster SX 52 an environmentally friendly 35 × 50 cm (13.78 × 19.69 in) press.

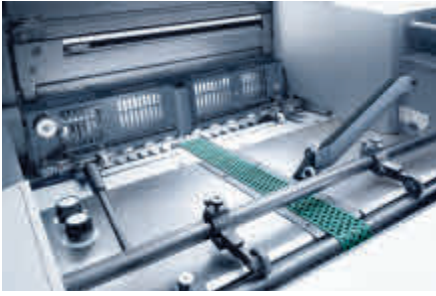


Print Site Contracts.

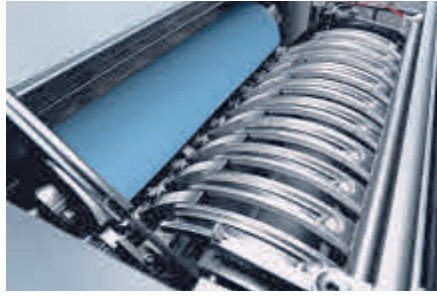
Lifecycle Smart & Plus:
Partnering for flexibility.

With Lifecycle Smart & Plus, we supply you with everything you need for your print shop: services, spare parts, consumables and software. Working closely with you, we put together the products that most precisely match your requirements – choosing the scope, quantities, service level and billing mode that best fit your business. So you always have exactly what you need to stay commercially flexible and responsive.

 **Find out more:**
heidelberg.com/en/printsitescontracts



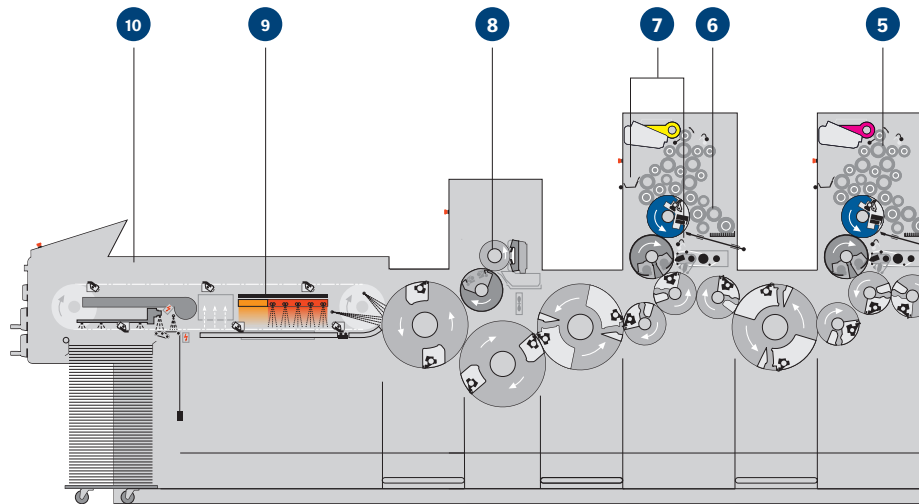
The feeder with central suction tape ensures productivity and optimum sheet travel right out of the gate.



Printing units, sheet travel, and perfecting device are designed for maximum precision and running smoothness.



TransferJacket Blue and PerfectJacket Blue cylinder jackets guarantee markless sheet travel and optimal print quality.



Speedmaster SX 52-5+L. The machine shown is a sample configuration. Some of the equipment features mentioned are optional.

1 Feeder

- A central suction tape and Venturi nozzles at the sheet infeed allow fast material changes as well as a wide variety of substrates. They also guarantee gentle sheet travel, even at high speeds.

2 Perfecting device

- The perfecting device with fully automatic changeover from straight printing to straight printing and perfecting with total register accuracy is designed for maximum precision and productivity.

3 TransferJacket Blue

- The replaceable cylinder jacket ensures gentle sheet travel and greatly reduced cleaning thanks to its lotus effect that repels inks and coatings.

4 AutoPlate

- The semi-automatic plate changer works quickly and precisely and saves valuable makeready time – all without the need for tools.

5 Inking unit

- The speed-compensated high-performance inking unit delivers print quality to meet the highest standards. The remote-controlled Heidelberg ink fountain with ink fountain liner is quick and easy to clean.

6 Alcolor film dampening unit

- The speed-compensated film dampening unit with Vario function prevents hickeys and ensures the best results through a stable ink-water balance.

7 Automatic washup devices

- The automatic washup devices for the inking unit and blanket and impression cylinders ensure short washup times with customizable washup programs.



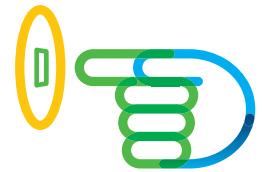
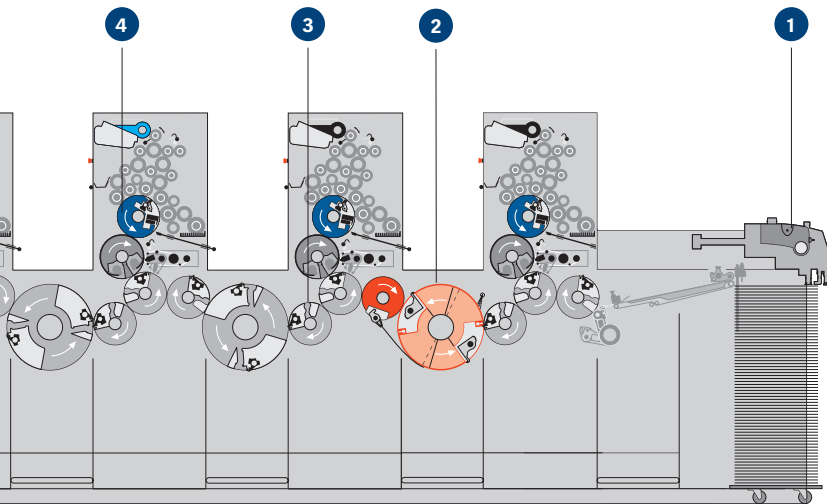
The inking units permit short makeready times and stable coloring thanks to fast ink settings and a wide range of preset functions.



The coating unit is suitable for various coatings including full-area protective coatings, spot coatings, and UV and special coatings.



The delivery creates the perfect postpress conditions with a perfectly formed pile.



Push to Stop.
The key to the
Smart Print Shop.

8 Chamber blade coating unit

- The chamber blade system ensures a constant coating supply and uniform coating application.

9 DryStar Coating

- Infrared and hot-air drying for excellent results in challenging coating applications.

10 High-pile delivery

- Venturi nozzles in the sheet guide plate gently guide the sheet to the delivery on an air cushion, meaning there is no contact.

→ You can find more about the details of your Speedmaster here:
heidelberg.com/en/sx52



Modern working environment on the Princt Press Center 3 with 24-inch multi touchscreen and LED standard daylight lamp for optimal sheet coordination.



Consistently ergonomic design for easy operation.

transferred and also made available in an automatically defined sequence. The production data is returned fully automatically. This enables you to benefit from excellent data management, one-of-a-kind presettings, up-to-date production data, and informative reports.

Various Prinect color measurement systems are available to you for optimal, reproducible color stability and minimum paper waste. As the most economical system in its class, Prinect Easy Control is the ideal entry point into spectral measuring technology. The Prinect Image Control® 3 high-performance color measurement system offers you optimal quality throughout the entire print image. All color measurement systems are perfectly integrated into the workflow via the central color database and provide automated color reports.

Simply – fast – reliable: the new Heidelberg UX on the Speedmaster SX 52

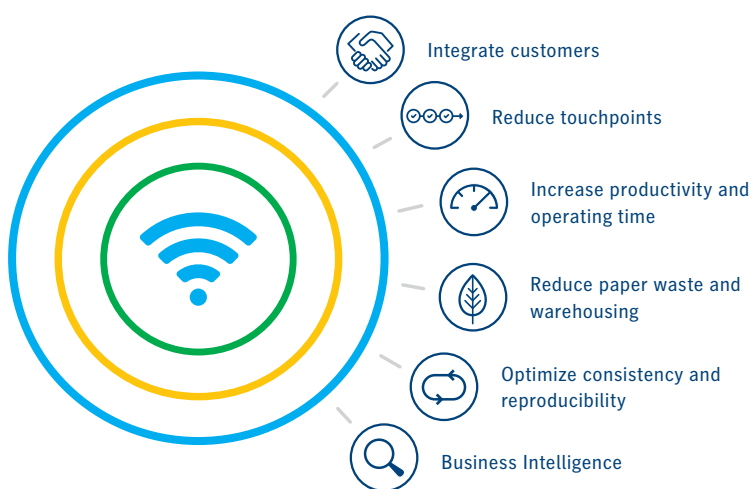
Experience the Heidelberg UX on the Speedmaster SX 52 also. Every time you operate a component you are experiencing the Peak Performance concept. From the seamlessly ergonomic design, to the modern control panels, the simple handling of the washup devices to the unique preset functionality, the Speedmaster SX 52 delivers an unparalleled user experience.



Driving the Smart Print Shop.

Prinect workflow.

Prinect makes smart production possible. As a central platform, Prinect seamlessly integrates all the steps involved in print production into consistent processes, from the customer contact through to the finished product and billing.



Greater profitability in the Smart Print Shop with Prinect

It is the harmonious interaction of the six key factors that increases the profitability of your print shop: efficient interaction with customers via portals, strictly reducing touchpoints in production and administration, increasing productivity and operating time while simultaneously reducing paper waste and warehousing, optimizing consistency and reproducibility and – last, but not least, consistently using Business Intelligence. Prinect offers you unique possibilities here.

Prinect Business contains everything that you need to manage your commercial processes. And goes even further. Prinect Business not only integrates your customers and helps you to reduce touchpoints and to define the optimal production method. Using intelligent processes, you simultaneously lay the foundation for industrial, automated production. With Prinect Business, your customer can conveniently submit their price inquiries and immediately get an individual quotation.

Prinect Production digitizes your print shop, focusing on cutting-edge cloud technology. It automates the production as well as your color and quality management and provides important data for analyses and reporting. It makes no difference whether you use toner, inkjet, or offset printing for your production and whether you are involved in commercial, packaging, or label printing – Prinect is the right solution.

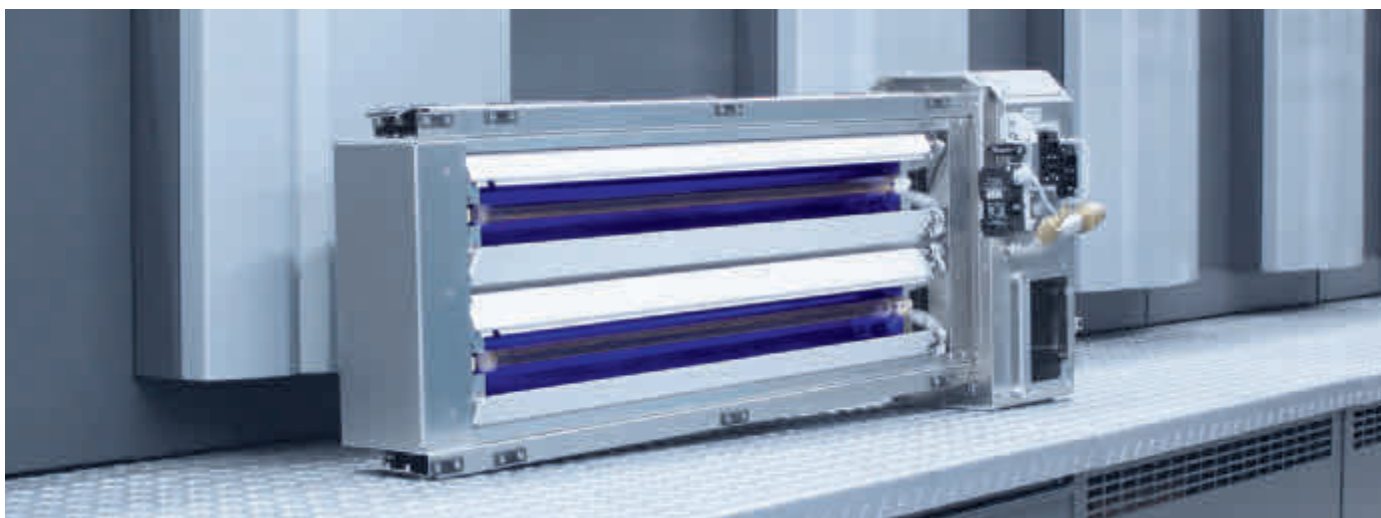
With the Prinect subscription model, you obtain all the functions you need to fulfill your customers' wishes and increase the productivity of your print shop in the long term. You only pay for the actually produced volume. High investment in software licenses is a thing of the past. An additional benefit for you: The usage fee includes all software updates and support via the Prinect Service hotline. This means that Prinect is always up to date – for total production reliability, efficient processes, and maximum productivity.

➔ You can find more information on Prinect Workflow here: heidelberg.com/en/workflow

The future is bright.

UV finishing.

Bright results, short drying time, wide variety of substrates. UV-finished print products stand out thanks to their brightness, their feel, and their short throughput times.



What sets UV printing apart is its high productivity. UV-curing inks and coatings can go straight into postpress, which means no more waiting times. Storage space can also be reduced, since there is no longer any need to store semi-finished products. UV printed products provide a way to broaden your portfolio. They open up new areas of business with high-quality finishing treatments and substrates like films or non-absorbent materials. Natural and recycled papers can be processed with exceptional brightness.

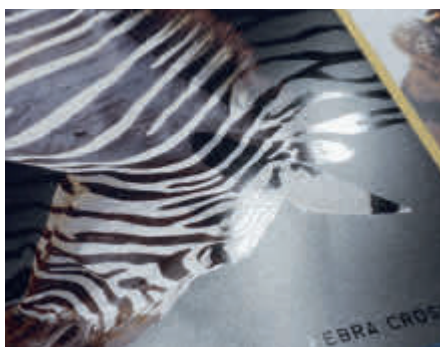
Into the future with LED and LE UV

LED and LE UV (Low Energy) offer the perfect alternatives for commercial print shops looking to explore the benefits of UV. It delivers high-quality print results, even on natural papers, special coating effects, and very fast throughput times. This enables the commercial print shops to respond flexibly to new market requirements. LE UV and LED UV use special, highly reactive UV inks and coatings with a very energy-efficient curing process.

➔ heidelberg.com/sx52/user-reports

The solution for all eventualities.

Special applications for the Speedmaster SX 52.



The Speedmaster SX 52 offers you a variety of options for standing out on the market. Special applications from envelope printing through drip-off effects or printing plastics to rainbow printing are available for maximum versatility and guarantee you a competitive advantage through differentiation.

Impressive effects with drip off on paper and cardboard.

Modern printed matter depends on haptic emotion. Impressive twin effects can be achieved with a combination of UV coating and matt print varnish. With the Speedmaster SX 52 you can use the combination of printing and inline coating unit to embellish print products in this fascinating way and in so doing impress your customers.

Impressive. Advertising messages on envelopes.

The sheer volume of information means that a lot of information is inevitably lost. To keep your customers' messages visible, printed envelopes ensure that mailings, for example, reach their intended audience. The combination of a first-class feeder and optimal sheet guidance from the feeder to the delivery makes possible the high-quality and profitable envelope printing.

Special equipment for special print shops.

The Speedmaster SX 52 is also ideal for security printing. The rainbow special-effect printing method uses a split ink fountain. This special technique allows the primary colors to flow into each other slowly, which produces a multi-colored image in just one printing pass for a very unusual effect. The special ink foundation is optimally matched to the Speedmaster SX 52 and thus gives you the highest quality. The rainbow printing device is designed for the highest requirements in security printing.

Simply get in touch.

Your dialog with Heidelberg.



We hope this brochure has inspired you. Our aim is to make you even more successful in the future, so feel free to contact us with your questions and suggestions. We're only ever an e-mail or phone call away.

We look forward to hearing from you!

Whether you're just curious or have specific things you'd like to ask, simply send an e-mail with your questions, requests, or comments to

➔ info@heidelberg.com

or use our contact form at

➔ heidelberg.com/info



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Heidelberger Druckmaschinen AG

Kurfuersten-Anlage 52 – 60

69115 Heidelberg

Germany

Phone +49 6221 92-00

Fax +49 6221 92-6999

heidelberg.com

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For details on the emissions of the Speedmaster SX 52, please visit us at heidelberg.com/emissiondetails

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