The peak performance class.
Speedmaster XL 75.

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 gives 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**

Contents

Technological advantage.
Speedmaster XL 75.

Our Speedmaster® XL 75 is the result of development geared entirely towards our customers' needs. This future oriented press in 50×70 cm (19.69×27.56 in) format delivers top efficiency, maximum productivity, and total ease of operation – for the greatest possible success without any compromises.

The Speedmaster XL 75 offers you extensive configuration options for the most demanding requirements in commercial, label, and packaging printing. The result is a customized press, designed for your success in the market.

Get the jump on industrial printing production of tomorrow with Push to Stop: for the first time in the history of offset printing, you can now change jobs fully automatically – from the last to the first good sheet, right up until production starts. The patented process- and job-oriented assistance system Intellistart® 2 will revolutionize how you change jobs, with efficient job preparation and automatic generation of time-optimized job change programs.

The Speedmaster XL 75 has the highest level of automation in its class, making it extremely user-friendly and economical. Top quality with maximum availability – you can rely on that. The solid press concept and innovative technology of the Speedmaster XL 75 combined with our comprehensive, around-the-clock service will give you a strong technological advantage.

The high-performance control station.
Prinect Press Center XL 2.

The Prinect Press Center XL 2 sets new standards in operating philosophy. Take the crucial step towards fully automated job changing with Push to Stop and navigate through complex makeready processes with Intellistart 2.

Productivity made easy

User-friendly operation is about more than a pleasant working experience. It is also an important prerequisite for maximum efficiency – print job by print job. The Prinect Press Center® XL 2 offers you this user-friendly operation thanks to outstanding ergonomics and intuitive operation. At the same time, the new generation of control stations systematically harnesses all available potential to minimize the time spent on each print job. You operate unique software applications and integrated assistance systems via the intuitive 19-inch multi-touchscreen. The Prinect Press Center XL 2 is therefore designed for the highest productivity requirements.

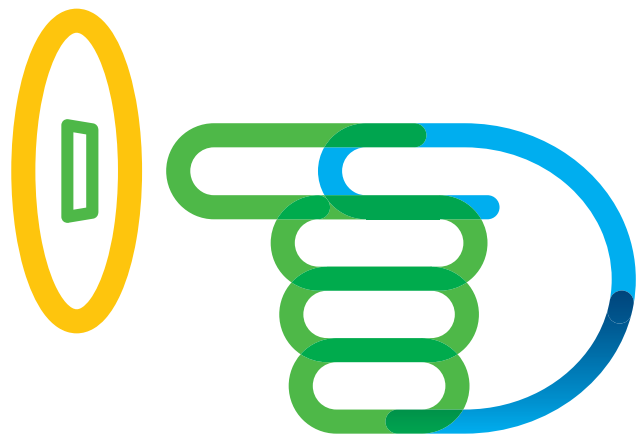## Wallscreen XL – maximum transparency

Operation is made even more direct with the new operating philosophy with swipe gesture control, the reorganized interface with four main screens, and a favorites bar. You have control over all functions and operational sequences at all times.

The patented assistance system Intellistart 2 automatically generates all the steps required for intelligent job changes and provides maximum transparency across all active and queued processes. The time-optimized sequence is simulated live by Intelliguide®.

The Wallscreen XL also sets standards with the new myWallscreen function. It offers you the freedom to query and compile information about your press on a user-specific basis. For example, several views can be custom displayed in myScreen. This means that you have a clear view of all processes.

Push to Stop: uninterrupted productivity

Intellistart 2 supports the paradigm shift towards push to stop in industrial print production. For the first time, multiple follow-up orders can be prepared and released while production is still underway. In addition, processes are automatically started when changing jobs – and then run on their own. As part of this process, the color measuring system Prinect Inpress Control 2 with the Quality Assist function automatically switches the machine to "production run" once the defined quality requirements are met. This fully automated job changing – from the last to the first good sheet until production starts – is unique in offset printing.

Our innovations for your success.
Discover the opportunities offered by industrial printing production of tomorrow. Push to Stop enables you to change orders fully automated for the first time in the history of offset printing – from the last to the first good sheet, right up until production starts.

Perfect data and color management with Prinect

The Prinect Press Center XL 2 integrates your printing press into the Prinect® print shop workflow. Current job data is automatically uploaded. At the same time, processes can be initiated from the control station. You benefit from excellent data management, current production data, and informative reports.

Prinect also offers you various color measuring systems for optimal, reproducible color stability. Two further spectrophotometric color measuring systems are available as an alternative to the Prinect Inpress Control 2 inline color measuring system for maximum productivity: the high-performance Prinect Axis Control® and the Prinect Image Control® for measuring the entire print image.

➡ **You can find more information on Prinect Press Center XL 2 here:**
heidelberg.com/en/prinect-press-center-xl2

S

Web-based support –
fast, secure, efficient:
Heidelberg Remote Services.

Wide range of remote services:
· from troubleshooting and benchmarking through to predictive monitoring
· 24/7 access to expert know-how at the push of a button
· For increased machine availability and enhanced productivity

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Leader in the printing process.
15 clear benefits.*

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Makeready

2 mins

for fully automatic, staggered plate changes on a Speedmaster XL 75-5+L with AutoPlate Pro.

Protective liner instead of bare metal – cleaning the ink fountain takes just **1 minute instead of 5 – 10 minutes**.

No more flying blind – with Prinect Inpress Control 2, the first measuring results are delivered after **less than 30 sheets** and the run is ready to start in **under 1 minute**.

Well below

1min

for washing with the fastest washup program.

Ecology

21 % energy saving with round-nozzle dryers compared with previous technology.
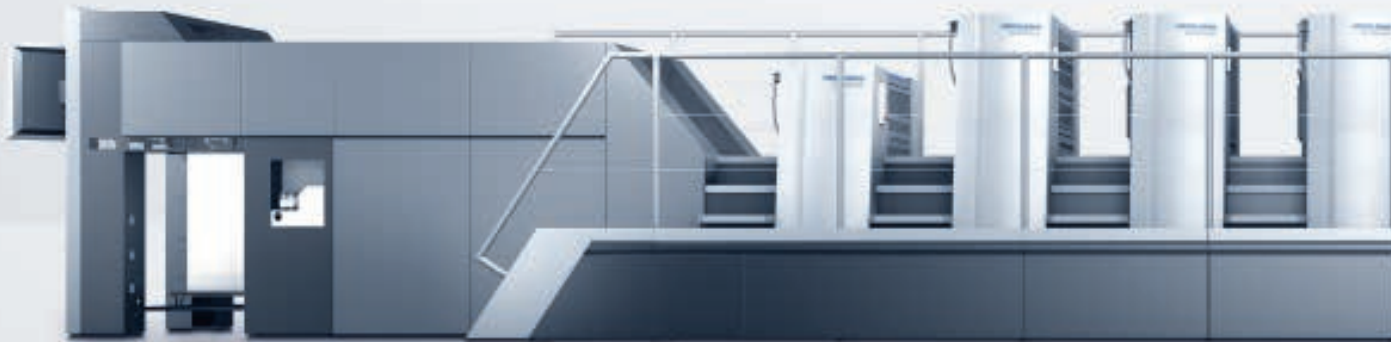
Up to

90%

reduction in makeready waste with Anicolor 2 technology.

50 sheets and less startup waste for the majority of packaging print jobs with Anicolor 2.

Just 10 makeready sheets when changing jobs in the web-to-print environment with Anicolor 2 technology.

Outstanding characteristics.
The facts at a glance.

Equipment:

· High-performance control station Prinect Press Center XL 2 with innovative, process-oriented operator guidance system Intellistart 2.

· Intellistart 2, the patented process- and job-oriented assistance system for efficient job preparation and automatic generation of time-optimized job change programs. Complete overview of all job parameters and transparency of the workflows.

· Highly automated Preset Plus feeder for faster setup, greater precision, higher continuous production speeds, and reliable, continuous production.

· Shorter makeready times thanks to reliable and fully automatic plate changes with AutoPlate Pro and AutoPlate XL. Precise plate feeding and identification for exact, fast registration. The operator can perform other tasks while the plates are being changed.

· Washup devices for the inking unit and blanket and impression cylinders with custom washup programs for fast and thorough washup results.

· All sheet travel from the feeder to the delivery is adapted to the substrate using preset values.

· The AirTransfer system for straight presses and the variable AirTransfer system with dynamic sheet spacing control for perfecting presses ensure perfect, contact-free sheet travel.

· High flexibility thanks to a wide range of substrates from 0.03 to 0.8 mm (0.0012 to 0.0315 in). A maximum substrate thickness of up to 1.0 mm (0.0394 in) is available for special applications. All kinds of substrates such as metal-laminated materials, foils, labels, and cardboards can be processed.

· Time and cost savings thanks to production speeds of up to 18,000 sheets per hour permit fast job processing, even with longer runs.

· The perfecting device with fully automatic adjustment guarantees precise registration and gentle sheet guidance across a wide range of substrates from lightweight materials up to substrate thicknesses of 0.8 mm (0.0315 in).

· Our DryStar® dryer technology provides the right dryer for every application. Fast postpress and special applications for packaging and commercial printers provide differentiation and an extension of the applications of the Speedmaster XL 75.

·

The Speedmaster XL 75 is setting standards in this format class. The innovative technology used in the press offers you the highest level of automation, the greatest ease of operation, the shortest makeready times, and stable processes. Custom configured for your requirements, the smooth interaction of all the components ensures peak performance – superlative quality and economy for your success.

Highlights
- The Anicolor® 2 inking unit provides flexible inking and constant color stability combined with the shortest makeready times and minimal startup waste.
- Fully automated makeready process thanks to automatic analysis of job changes with Intellistart 2.
- The Speedmaster XL 75 has the highest net output of all the medium format presses.
- The sturdy and ergonomic design of the press ensures maximum running smoothness and ease of operation.
- Shortest makeready times and continuous production monitoring with Prinect Inpress Control 2, the spectro-photometric inline color and register measuring and control system.
- The modular press concept permits a flexible combination of coating, printing, and perfecting units for economical inline production of standardized through to complex applications.

→ **You can find more about technical data and facts here: heidelberg.com/xl75/technical-data**

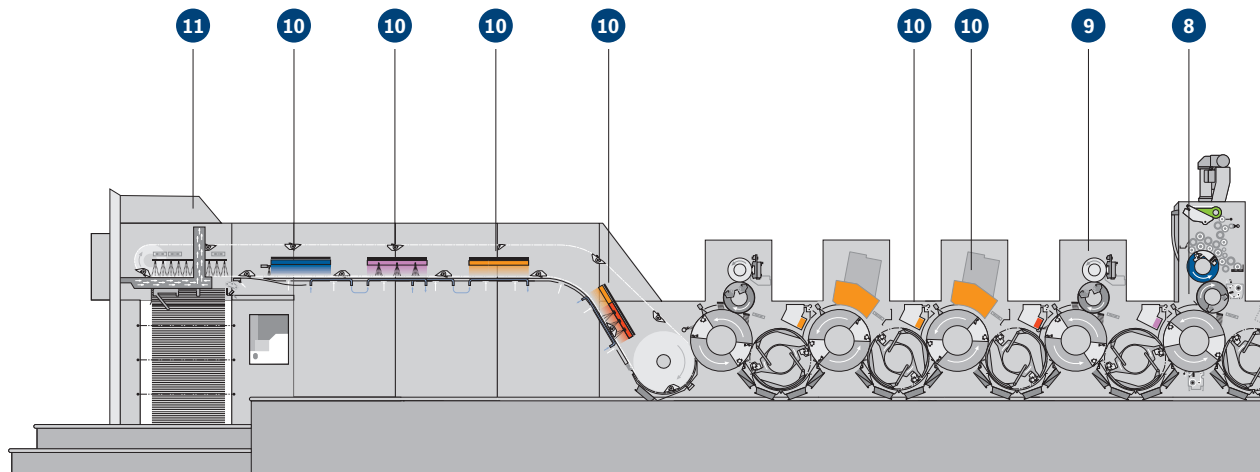→ **heidelberg.com/xl75-anicolor/technical-data**

Perfect piles thanks to the Preset Plus delivery ensure smooth postpress operations.

The coating unit permits outstanding coating and drying results, even at the highest speeds.

The inking and damping unit permits stable coloring throughout the entire run.

Speedmaster XL 75-8-P+LYYL with FoilStar. The press shown is a sample configuration.
Some of the equipment features mentioned are optional.

1 Feeder
· The Preset Plus feeder looks after all the relevant format and air settings for the shortest makeready times and steady sheet travel.

2 Cold foil module
· The FoilStar® system offers inline finishing with cold foil application using two offset units.

3 Perfecting device
· Fully automatic adjustment ensures excellent print quality during straight and perfecting printing in combination with the variable AirTransfer system.
· The cylinder jackets TransferJacket Blue for the sheet-guiding transfer cylinders and PerfectJacket® for the impression cylinders downstream of the perfecting device ensure top print quality during straight and perfecting printing with the least possible amount of cleaning.

4 Inking and damping unit
· The inking and damping unit offers responsiveness and color stability. Relevant functions can be remote-controlled, including the short-path inking function with minimal ink consumption.
· The Vario function avoids hickeys during the production run.

5 Plate changing
· AutoPlate Pro and AutoPlate XL ensure precise and fast plate changes.

6 Sheet travel
The AirTransfer system with Venturi nozzle technology ensures contact-free and gentle sheet travel.
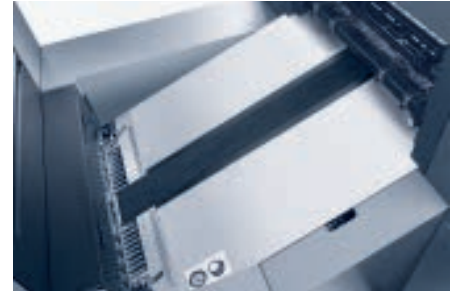
7 Washup devices
· The blanket washup devices for blanket and impression cylinders only need the smallest amount of washing agent to produce outstanding washup results.
· Optimized and custom washup programs for fast and thorough washup results for the inking/damping unit as well as the blanket and impression cylinders.
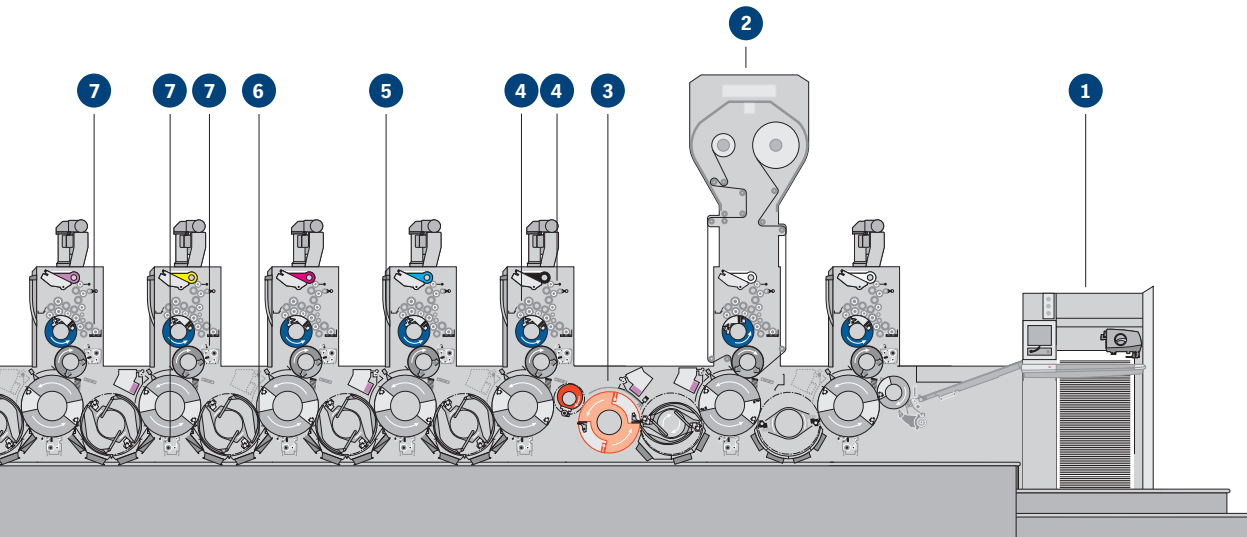
The perfect sheet travel ensures peak performance from the feeder to the delivery.

Fully automatic plate changes with AutoPlate Pro or AutoPlate XL.

Fully automatic switchover of the Preset Plus feeder ensures the fastest material changes.

8 Color and register measurement and control system
· Prinect Inpress Control 2 spectrophotometrically measures and controls the color inline during production. The register is checked at the same time and readjusted if necessary.

9 Coating unit
· The coating unit with chambered blade system and CoatingStar® with pulsation-free coating delivery and integrated coating conditioning permits outstanding coating results.
· Automated coating plate changes ensure quick and easy coating blanket changes.

10 Dryer systems
· Drying units and UV interdeck dryers permit flexible drying downstream of the printing or coating units.
· The various DryStar drying systems (DryStar Coating/ Combination UV/UV/LE UV/LED) are optimally matched to the sheet travel and ensure the best drying results as appropriate to the application.
·

11 Delivery
· The Preset Plus delivery forms piles with neatly aligned edges. All settings are made automatically here by adopting the presetting data.
· The dynamic sheet brake decelerates the sheet under safe, controlled conditions.

→ **You can find more about your Speedmaster here: heidelberg.com/en/xl75**

→ **heidelberg.com/en/xl75-anicolor**

You can find more about the economy and efficiency benefits of your Speedmaster including operating data, sample calculations, and application testimonials here:

➜ **heidelberg.com/xl75/efficiency**
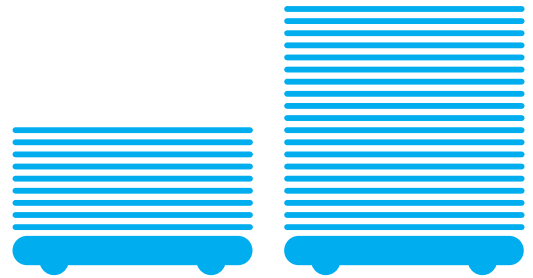➜ **heidelberg.com/xl75-anicolor/efficiency**

Productivity

Produced as priced – less than **5 minutes** from the last sheet in one run to the first good sheet in the next.

0 minutes wait time until the sheet is dry – straight into postpress thanks to DryStar LE UV/DryStar LED.

€180,000

saving per year thanks to minimization of startup waste with Speedmaster XL 75 Anicolor 2.

1,500 sheets

more per hour, now also with lower-quality papers, thanks to the optimized Preset Plus feeder.

User friendliness

Select 30 jobs in under

3 minutes

on the fly and then process them in a fully automated workflow.

All roller settings for each printing unit checked in **5 minutes** and **20 minutes** per adjustment cycle saved with the Roller Check Assistant software.

100 %

transparency, even with complex job changes, thanks to the innovative, process-oriented operator guidance system Intellistart 2.

* See reverse

Speedmaster XL 75 Anicolor 2.
Productivity with short production runs.

—

Run lengths for printed products have been decreasing for many years, with cost and time pressures increasing as a result. The Speedmaster XL 75 with Anicolor 2 zoneless short inking unit is designed to guarantee you high productivity, especially with short runs – for fast and cost-effective production in 100 percent offset quality.

The Anicolor 2 technology

The Speedmaster XL 75 Anicolor 2 has an extremely fast inking unit, and therefore represents the next evolution in our successful Anicolor technology. The Anicolor 2 inking unit consists of a single-speed screen roller with ink chamber blade. The ink is transferred from the screen roller to the printing plate by an ink form roller. With Anicolor 2, the ink density can be increased by activating the Anicolor 2 Booster via the Prinect Press Center XL 2. This means that the ink chambers and screen roller rarely need to be replaced. The larger range of color settings increases the flexibility when processing different substrates and inks. Optimized washup programs make fast ink changes even faster.

Economical even with short production runs

Even short production runs of just a few hundred sheets can be economically produced with the Speedmaster XL 75 Anicolor 2. With longer runs, you benefit from the advantages of the offset technology.

The Anicolor 2 formula: 90–50–50

Makeready times are shortened, with an equal improvement in productivity. The main contributor to the economic benefits of Anicolor 2 technology is waste paper savings of up to 90 percent. Makeready times are shortened by up to 50 percent, with an equal improvement in your productivity. The fast and constant inking means that print jobs are ready for production after just a few sheets. With extremely straightforward operation and no need for complicated adjustment, you achieve consistently excellent print quality and constant production stability.

Shortest throughput times

Anicolor 2 gives you a crucial advantage when it comes to speed – increased throughput in less time. The addition of UV equipment means that jobs can go straight into post-press. The Anicolor 2 technology comes into its own in special applications such as printing spot colors, metallic colors such as gold and silver, or special coatings.

The availability of a perfecting device means that double-sided printed products can be realized even faster and the throughput time reduced even further.

Benefits at a glance

Anicolor 2 offers a number of key benefits:
Economic production of short runs in offset quality
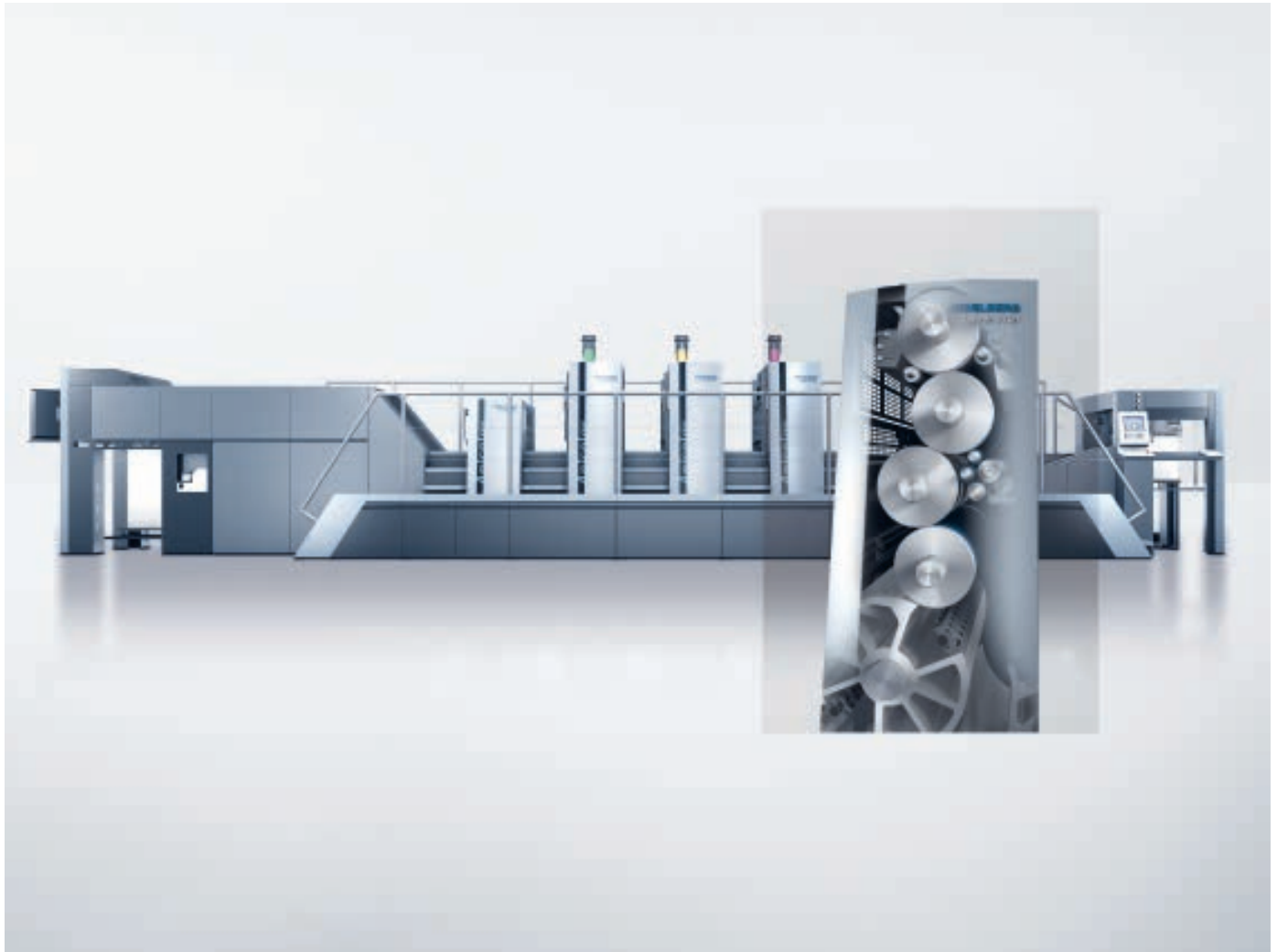Shortest makeready times
Cost savings thanks to least possible paper waste
High standardization and automation of the printing process
Fast, uniform inking and high production stability
Printing of spot colors, metallic colors, and UV or special coatings possible
Flexible, needs-oriented press configurations possible

Market-specific solutions

One of the main areas of application of Anicolor 2 is commercial printing, where the technology provides the optimal solution for fast and economical printing of very short runs. It can process the full spectrum of substrates from natural to special papers without any restrictions. Anicolor 2 gives you flexibility in the market and enables you to easily keep up when it comes to price.

The combination of the Anicolor 2 press and digital printing enables you to print personalized invitations, flyers, or mailings and in this way expand your range of services.

In label and packaging printing (e.g. in the pharmaceutical or cosmetic industry), Anicolor 2 opens up huge savings potential for very short production runs. The extremely fast spot ink changes or the Prinect Multicolor workflow also help with this.

Lower material costs, fast job changes, high availability – the Speedmaster XL 75 Anicolor 2 offers an overall increase in productivity of up to 50 percent compared with normal offset technology for short runs.

→ **You can find more about Anicolor here:
heidelberg.com/en/xl75-anicolor**

Configured for your requirements.
Always the right solution.

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Whether printing high-quality jobs in short runs,
packagings or labels, thin foils or plastic cards,
with the Speedmaster XL 75 we offer you a variety
of configuration options for meeting your customers'
most different and most demanding requirements.

Commercial printing

Traditional commercial printing covers a wide product
range with short and medium runs. Runs of fewer than
1,000 sheets are the order of the day here, however runs of
over 10,000 sheets are not uncommon either. It is also char-
acterized by high cost and time pressure.

Mainly mid-sized print shops meet these challenges using
a Speedmaster XL 75 specially adapted to the job type. The
most cost-effective and fastest means of production is a
4/4-color perfecting press, preferably with Anicolor 2 and
UV equipment.

General print shops in particular benefit from the flexibil-
ity of the press thanks to the wide range of substrates with
thicknesses of up to 0.8 mm, including in perfecting mode.
Contact-free sheet transport all the way to the delivery,
combined with the AirTransfer system, ensures top print
quality.

In addition to the highly productive printing of simple
four-color products, the Speedmaster XL 75 offers flexible
options for producing high-quality special applications
with gold/silver/opaque white and coating applications on
a wide range of substrates.

Packaging printing

High-quality packagings for cosmetics and pharmaceuticals
are mostly produced in 50 × 70 cm (19.69 × 27.56 in), espe-
cially small packaging and batch sizes. Economic production
of challenging and custom packagings is a difficult task.

A wide range of configurations are used, from
Speedmaster XL 75 five- or six-color presses through to
15 unit presses with UV equipment and double coating. The
dual configuration offers coating before and after offset
printing. Coordinated dryer systems ensure optimal drying
results with efficient energy consumption – even at high
speeds and high color assignment. With FoilStar, a cold foil
can be applied inline before offset printing for a high level
of finishing.

Label printing

Presses for printing high-quality labels have to meet very special requirements. Most label printing applications involve thin substrates. Wine, spirit, and beer labels also frequently call for shiny or metallic effects. The Speedmaster XL 75 offers the perfect configuration for this. With the anti-static package StaticStar® Advanced and the foil package, you can process thin materials and foils without any problems. Shiny effects can be achieved inline with the cold foil module FoilStar and UV coating.

The sheet slowdown function in the feeder area, the AirTransfer system, and the dynamic sheet brake in the delivery are the perfect aids when it comes to producing thin materials. The result is precise sheet feeding, high production speeds, and perfect piles for postpress.

Special applications

The Speedmaster XL 75 can also handle special printing tasks. It provides efficient production of printed items beyond simple plastic cards like membership cards or plant tags, for example. The high-end machine is also ideal for sensitive applications like security printing, for example the production of personal IDs or bank cards. Multiple inks can be used simultaneously in one ink foundation with the Iris ink fountain, and color vignettes can be printed without any transitions.

➔ **You can find user reports on the individual topics here:
heidelberg.com/xl75/user-reports**

➔ **heidelberg.com/xl75-anicolor/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 Speedmaster XL 75 you would like to know.

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Website
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us at heidelberg.com/emissiondetails

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