

Prinect Production. Packaging Workflow.

HEIDELBERG

1 Print Buyer Integration



Significantly reduced lead times, cycle times and response times, while at the same time improving the transparency of the entire production process, both for the customer as well as for sales and production staff.

2 Job Creation & Automation



Enhance your efficiency by using Smart Automation to reduce touchpoints and sources of error.

3 CAD Design



Create box designs including 3D and step & repeat with easy tools.

4 File Preparation



Complete your prepress tasks faster and more easily by automating and streamlining all your processes using simple management tools.

5 Imposition



Use powerful tools for your job's sheet preparation from nesting over marks placement to 3D creation.

6 Planning & Scheduling



Benefit from powerful planning and scheduling tools that make all your production processes, order deadlines and status updates totally transparent in real time.

7 Color & Quality



Use a comprehensive set of tools to achieve optimal color reproduction and consistent output quality across your print shop.

8 Rendering & Plate Making



Cut down your setup times and paper waste by creating high-quality, perfectly screened and calibrated printing plates.

9 Pressroom Offset & Digital



Cut down your waste and setup times by using fast, reliable job and preset data and use a comprehensive toolset developed especially for digital printing.

10 Postpress



Seamlessly integrate postpress equipment and processes into your workflows for capturing production data and optimizing makeready times.

11 Print Shop Analytics



Benefit from a comprehensive overview of your production process. Keep track of key job and pressroom indicators and trends in real time, and use benchmarks and recommendations to further improve your performance.

1.1 Online Upload & Preflight



Upload data quickly and conveniently into your production workflows – including automated preflight and deadline monitoring – while reducing throughput times and errors.

2.1 Job Creation via JobMaker



Provide your in-house and sales staff with a user-friendly, web-based user interface for creating jobs on your system – ready for processing by your production staff or automatically by Smart Automation.

3.1 Libraries & Components



Fast and precisely create carton and corrugated boxes with the help of fully resizable box libraries (ECMA & FEFCO) and customizable components.

4.1 PDF Preflighting & Optimizing



Avoid costly printing errors using an early-warning system that detects potential printing problems and either warns you in advance or automatically corrects them for you.

5.1 Step & Repeat



Automatically create optimized print sheets saving tons of wasted carton board and hours of manual work.

6.1 Automatic Scheduling



Benefit from an automatic scheduling functionality that plans the incoming orders with correct time and machine assignments without manual effort.

7.1 Screening



Use high-quality screening systems such as AM, FM or Hybrid with different patterns, resolutions and dot shapes to achieve best results across a wide range of applications.

8.1 Calibration & Profiling



Ensure your reproduction and color harmonization are up to standard with the help of powerful calibration tools for process and color control of plates and print output.

9.1 Full Toolset



Take advantage of the toolset with its clear, intuitive user interface and all the functions you need for preflighting, document creation, step & repeat, calibration and color matching.

10.1 Presetting



Minimize the setup effort of your Heidelberg finishing machines with presetting data.

11.1 Monitoring



Simplify job tracking and take advantage of automatic access to job progress and press status updates in real time.

1.2 Online Softproofing & Approval



Improve your throughput and response times using smart customer interactions such as automated online softproofing, revision and approval workflows.

2.2 Automated Job Creation



Create jobs automatically using information from MIS or Web-to-Print systems, or from .CSV files – ready for processing by your production staff or automatically by Smart Automation.

3.2 Prototyping & Varnishing (CAM)



Enhance production security by creating box prototypes on real carton materials together with varnish blankets and counter dies.

4.2 PDF Editing



Use powerful, user-friendly PDF editing tools to make minor corrections – no more need to waste time accessing the original source files.

5.2 Bleed Handling



Easy bleed generation and automatic or interactive conflict resolutions in case of overlapping bleed areas.

6.2 Optimization



Optimize the sequence of orders for your printing presses to radically reduce makeready and downtime across your production operations.

7.2 Ink Savings



Reduce your ink and powder consumption as well as drying times using special ICC profiles in the integrated Prinect color management. Sheets can be handled faster and with much less set-off and marking.

8.2 Plate Sheets



Take advantage of automatically generated plate sheets that use barcode scanning to make it easier for you to select jobs in your Prinect Press Center and minimize search errors.

9.2 Push to Stop



Boost autonomous production on Speedmaster printing presses by leveraging best presets and optimized job sequencing.

10.2 Data Terminal



To obtain instant information on presets, together with feedback on status, actions and results, integrate your offline postpress machines and processes with the Data Terminal.

11.2 Production Performance & Statistics



Evaluate the effectiveness of your production process by using flexible onscreen dashboards to analyze paper waste, production times, performance, quality and many other parameters.

1.3 Online Job Tracking



Track every job in real time through a convenient web portal – from your desktop or tablet, in your print shop or while you are out visiting customers.

2.3 Smart Automation



Boost your efficiency and productivity and reduce the number of manual tasks in your overall workflow by using one-click production of standardized jobs.

3.3 Step & Repeat



Nest die-cut layouts with one or multiple 1-ups automatically using only the minimum necessary material size.

4.3 PDF Trapping



Reduce makeready waste due to misregistration and increase print quality using professional trap tools creating overlaps in adjacent printed colors.

5.3 Marks



Create conventional, 2D, data matrix or machine barcodes and special packaging marks like station number and position them with dragdrop.

6.3 Job Timetable



Draw up convenient work schedules for each machine and every production process, for printing out or displaying onscreen.

7.3 Multicolor



Achieve significant cost benefits and improve your process by leveraging the expanded color space to easily and accurately reproduce spot colors with Multicolor.

8.3 Load Balancing



Boost your throughput and reduce the time it takes for plates to reach printing presses by using additional renderers and effective print planning.

9.3 Repeat Order Management



Save the optimized press settings so you can call them up for repeat jobs.

10.3 Compucut



Cut out the complexity – use Compucut to define the most efficient cutting sequences for labels on your Polar Cutter.

11.3 Quality Reports



Monitor your print quality using inline or workflow-integrated measuring instruments, and reduce your paper waste based on high-quality color reports.

12 Prinect Business



Prinect Business offers a highly efficient workflow for your business processes from automatic estimating, job preparation and material management to delivery, invoicing and reporting.

Together with the fully integrated Prinect Production workflow and a comfortable online connection of your customers, this is the perfect workflow solution for a Smart Print Shop.

2.4 Gang Automation



Print more efficiently and reduce printing plate consumption by automatically combining multiple smaller jobs into gang runs.

3.4 Artwork Design (Illustrator Plug-in)



The Illustrator Connect plug-in allows CAD drafts from Package Designer to be used directly in Illustrator for design in a familiar environment.

4.4 PDF Color Management



Use reliable color conversion to automatically prepare PDF files for a wide variety of printing processes in BW, CMYK, spot colors or Multicolor.

5.4 Gang Forms



Nest multiple jobs on one or more print sheets with the click of a button resulting in plate savings, less print runs and higher print efficiency.

6.4 Job Progression



Track the status of each job along the entire production chain based on real-time feedback from your connected machines and workstations.

7.4 Automatic Paper Stretch Compensation



Use automatic paper stretch compensation (APSC) to improve register and print quality while cutting down setup time and paper waste.

8.4 Plate Pilot



Use pressroom planning to produce your printing plates – save time by eliminating labor-intensive plate sorting.

9.4 Color Database



Minimize repeating errors by synchronizing the color references of the various Prinect color measuring systems with a central color database.

9.5 Integration



Integrate digital printing into your overall workflow and benefit from synergies with offset printing – especially for color management and rendering.

9.6 Variable Data



Create variable data such as text and barcodes based on e.g. CSV files with the help of user-friendly tools. The processing of full variable content is also given.

11.4 OEE Reports



Proactively manage your print production thanks to easy-to-read OEE reports that document your systems' effectiveness over time.

11.5 Performance Benchmarking



Evaluate the performance of your machinery and identify hidden potential by comparing your presses to those of competitors with similar job profiles.

11.6 Performance Advisor Technology – PAT



Leverage potential cost savings with the help of AI. Benefit from regular suggestions for improvements, plus tips on practical ways to further enhance your print shop's efficiency.



Prinect Production. Enhanced performance thanks to intelligent processes.

Prinect Production digitizes your print shop. It automates production and color and quality management while also providing key data for analyses and reporting. You keep your customers coming back and maximize your performance with a smart workflow.

The solution for the Smart Print Shop

Prinect Production transforms your print shop's workflows. Manually controlled operations involving a wide range of touchpoints are replaced by intelligent networking and automated processes. Touchpoints are reduced and flexibility increased.

With Prinect Production, you are closer to your customers and integrate them directly into the workflow. Data entered online controls processes throughout production and quality management. Digital approvals speed up production times and increase productivity. Moreover, as efficiency increases, so too does the satisfaction and loyalty of your customers.

Reduce waste and storage through standardized quotations, perfectly coordinated consumables, and defined processes. You can use your time, machines, and materials more efficiently, while simultaneously optimizing consistency and repeatability.

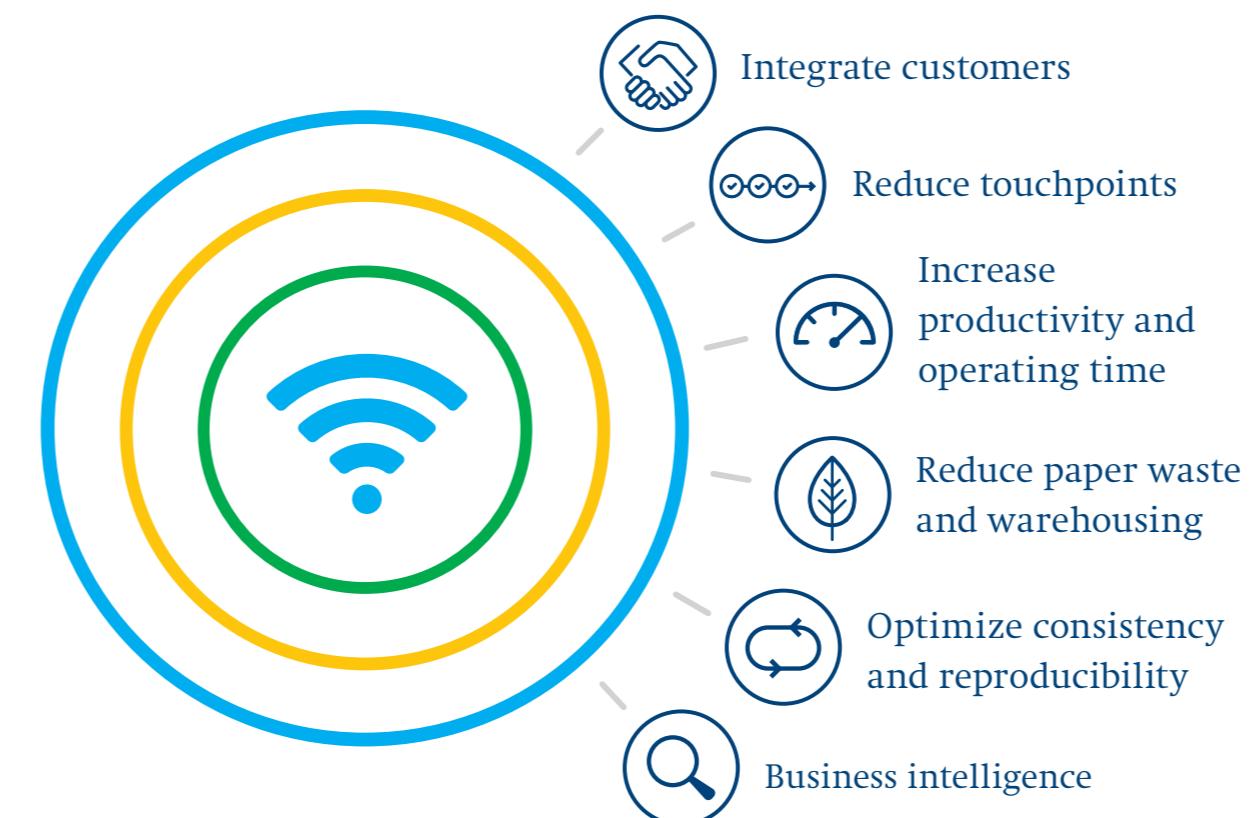
Pave the way for Push to Stop by using intelligent machines that organize and work through the production process independently. With Prinect Production, most operations can be carried out based on navigated or autonomous control.

Prinect Production also makes it possible to unlock the full potential of your print shop. Integrated business intelligence functions can be used to produce reports for corporate management and production that are intuitive to understand. Accurate data and sound analyses reveal error sources before damage occurs. Real-time data capture and evaluation ensure you are always up to date on current processes.

That is Prinect – Driving the Smart Print Shop.

Push to Stop. Six key factors for optimized processes.

Use Push to Stop to boost your productivity, reduce touchpoints and improve reproducibility in your smart print shop. To automate your production processes, use the best presets for your machines – including job data.



Want more information? Find out more here!

- A brief introduction to Prinect. Play the clip!
heidelberg.com/en/prinect_intro
- Find out everything you need to know about the Smart Print Shop. The whitepaper.
heidelberg.com/en/prinect_whitepaper



Your direct access to the digital world of Heidelberg. Simply use your smartphone to scan the QR code.
heidelberg.com/dialogue



Smart automation.
Higher productivity.
Prinect Production Packaging.

HEIDELBERG

Lifecycle Solutions

Heidelberger Druckmaschinen AG
Kurfuersten-Anlage 52-60
69115 Heidelberg
Germany
Phone +49 6221 92-00
Fax +49 6221 92-6999
heidelberg.com

On the way to a Smart Print Shop. Prinect Production.

Digitization offers the printing industry many opportunities. Whoever wants to take advantage of these opportunities, however, must actively shape the change. Prinect Production reorganizes the production workflow, ensuring the basis for increased cost-effectiveness, consistently high performance, and outstanding quality. Many processes are completely automated, thus providing a smart boost to the success of your print shop.

heidelberg.com/en/prinect

The new Heidelberg philosophy

Push to Stop is our idea of smart print production. It is based on networked processes and intelligent machines that organize and work through print jobs independently with full autonomy. The operator only has to intervene if necessary. You increase the overall effectiveness of your machines and can almost double your net productivity. Your print shop becomes a Smart Print Shop.

Save time and money with Prinect

For Push to Stop to become reality, new and improved processes are required that provide all the necessary production data. Prinect® is the tailored solution for successfully implementing this philosophy of the Smart Print Shop with Push to Stop. Prinect Business supports

you in the automation of your commercial processes and your production. Prinect Production covers the actual production workflow – from the prepress modules through offset and digital press to postpress.

A decisive step ahead of the competition

Whether your company is small or large, whether you are a commercial or packaging printer: Prinect reduces all touchpoints, in other words the process steps and manual interventions involved in order acceptance, data transfer, or postprocessing, to a minimum. You always have an overview – of the workflows, the utilization, and the economic efficiency of your print shop – and can react directly.

Ease of Use. Intuitive to use, quick to learn.

Ensuring that Prinect Workflow is easy to use is one of Heidelberg's top software development priorities. A dedicated team of experts focuses exclusively on the user experience (UX) design, meaning the interface and user prompts.

See for yourself

The positive feedback on our icon-based interface design clearly shows that Prinect is meeting user expectations. This is especially true of our steadily evolving web portals – your customers in particular will appreciate being able to communicate with you using a simple, browser-based solution.

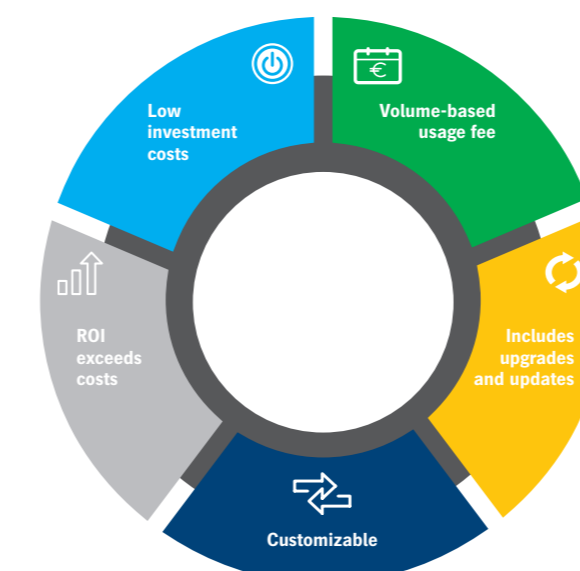
Benefits for all

Your employees will also appreciate being able to set up workflows (from simple to super-sophisticated) quickly and easily using wizard-based tools. Our approach reduces touchpoints and possible errors to a minimum.



Printing has never been so easy. Less complexity combined with total flexibility.

With Prinect Production, you enhance your print shop's performance – and only pay for the volume you actually produce. Automatic updates mean your Prinect workflow is always up to speed.



It is not till you harness the full range of Prinect Production functions that the Smart Print Shop becomes a reality. Where once this involved high up-front investment and a long payback period, now you benefit from the straightforward, transparent Prinect Production subscription model right from the start. The size of the system doesn't matter – nor is it important whether you use toner, inkjet or offset printing for production.

Pay according to volume produced

With Prinect Production, you only pay for the volume you produce. That is to say, you pay a monthly usage fee based on the following formula: Basic charge + square meters of TIFFs generated x price per square meter.

What is more, the usage fee includes all automatic software updates and support from our troubleshooting hotline. Prinect Production is thus always up to date, ensuring complete production reliability, efficient processes, and maximum productivity.

You can also access the full range of services from Heidelberg Service – depending on your requirements, simply book a user training course to boost your efficiency even further.

The Smart Print Shop is rounded off by being linked up to Prinect Business, which ensures commercial processes are fully integrated with the production workflow. Prinect is the ideal workflow for harnessing all the benefits of the Smart Print Shop. Push to Stop has become a reality.

Publishing Information
Printed in: 04/23
Photographs: Heidelberger Druckmaschinen AG
Platemaking: Suprasetter
Printing: Speedmaster
Finishing: Stahlfolder
Consumables: Saphira
Fonts: Heidelberg Antiqua MI, Heidelberg Gothic MI
Printed in Germany

Trademarks
Heidelberg, the Heidelberg logotype and Prinect are registered trademarks of Heidelberger Druckmaschinen AG in the U.S. and other countries. Adobe is a trademark of Adobe Systems Inc. All other trademarks are property of their respective owners.

Subject to technical modifications and other changes.

