

Prinect Production. Label 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 One-up Design



Create one-ups for a wide range of labels quickly and precisely with the help of a number of functions tailored to the respective production process.

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 and automate functions for sheet preparation that make step/repeat easier for you – irrespective of the production method.

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.



1.2 Online Softproofing & Approval

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



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.



2.1 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.



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.



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.



2.4 Gang Automation

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



3.1 Cut Labels

Generate individual one-ups on the basis of the PDF file or individual label size. Use a number of tools to add bleed, marks, etc. automatically.



3.2 Diecut and Cut&Stack Labels

Create shapes for diecut and cut&stack labels quickly and precisely with the help of fully resizable libraries and customizable components in the CAD system.



3.3 Shape Import for Diecut and Cut&Stack Labels

Import customer data quickly and reliably by checking the shapes with the help of a number of tools and repairing them if necessary.



3.4 Shape Extraction

Extract the shape conveniently from your customer's individual one-up PDF, and benefit from the automatic storage in the system.



3.5 Artwork Design (Illustrator Plug-in)

Use the Illustrator Connect plug-in to create the graphic design in the familiar Illustrator environment on the basis of your CAD designs.



3.6 3D Models with Effects

Create professional 3D models of your labels with finishing effects, e.g. foils, varnish, embossing and 3D objects in an email friendly PDF format or html link.



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.



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.



4.3 PDF Trapping

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



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.



4.5 Coating Editor

Create special color layers for applications such as varnish, white and other finishing effects with easy to use tools.



4.6 PDF Compare

Improve production security with tools to easily compare revisions and detect changes in object properties, position and color.



5.1 Cut Labels

Use a wide range of settings for quick and easy sheet preparation of cut labels. Handle intermediate cuts, mark positioning, etc. quickly with the help of easy-to-use tools.



5.2 Cut&Stack Labels

Take advantage of complementary functions for the combined production of cut&stack labels. Use the shapes of the labels as a basis and simplify handling in postpress with the help of special marks.



5.3 Diecut Labels

Build the sheet for diecut labels quickly and with minimum waste of material. Benefit from tried-and-tested functions and special tools, as well for in-mold label production.



5.4 Marks

Use the appropriate marks for each production method to support label production both in press and postpress. Benefit from quality assurance and a smooth production process.



5.5 Gang Forms

Create gang forms automatically by combining different orders on one or more printed sheets with one click – irrespective of different production variants. This saves printing plates, reduces the number of print runs, and increases your job throughput.



6.1 Automatic Scheduling

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



6.2 Optimization

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



6.3 Job Timetable

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



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.



6.5 Capacity & Load

Quickly generate a clear overview of your current machine utilization to decide how best to process new orders and distribute production tasks.



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.



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.



7.3 Multicolor

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



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.



7.5 Hardcopy Proofing

Use color proofs produced on inkjet simulators to reliably and cost-effectively simulate offset printing and other printing techniques. Check output consistency and reproducibility by consulting detailed color quality reports.



7.6 Quality Control

Rely on optimized quality control where every plate you produce precisely matches your set standards for linearity of exposure, screening and calibration. Ensure your production meets the ideal levels of print standardization, consistency and reproducibility specified in ISO 12647-2.



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.



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.



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.



8.4 Plate Pilot

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



8.5 Ink Consumption

Optimize your material management by predicting the quantity of ink required for each job.



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.



9.2 Push to Stop

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



9.3 Repeat Order Management

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



9.4 Color Database

Minimize operation errors by synchronizing the color references of the various Prinect color measurement 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.



10.1 Compucut

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



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.



10.3 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.



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.



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.



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.



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.



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.

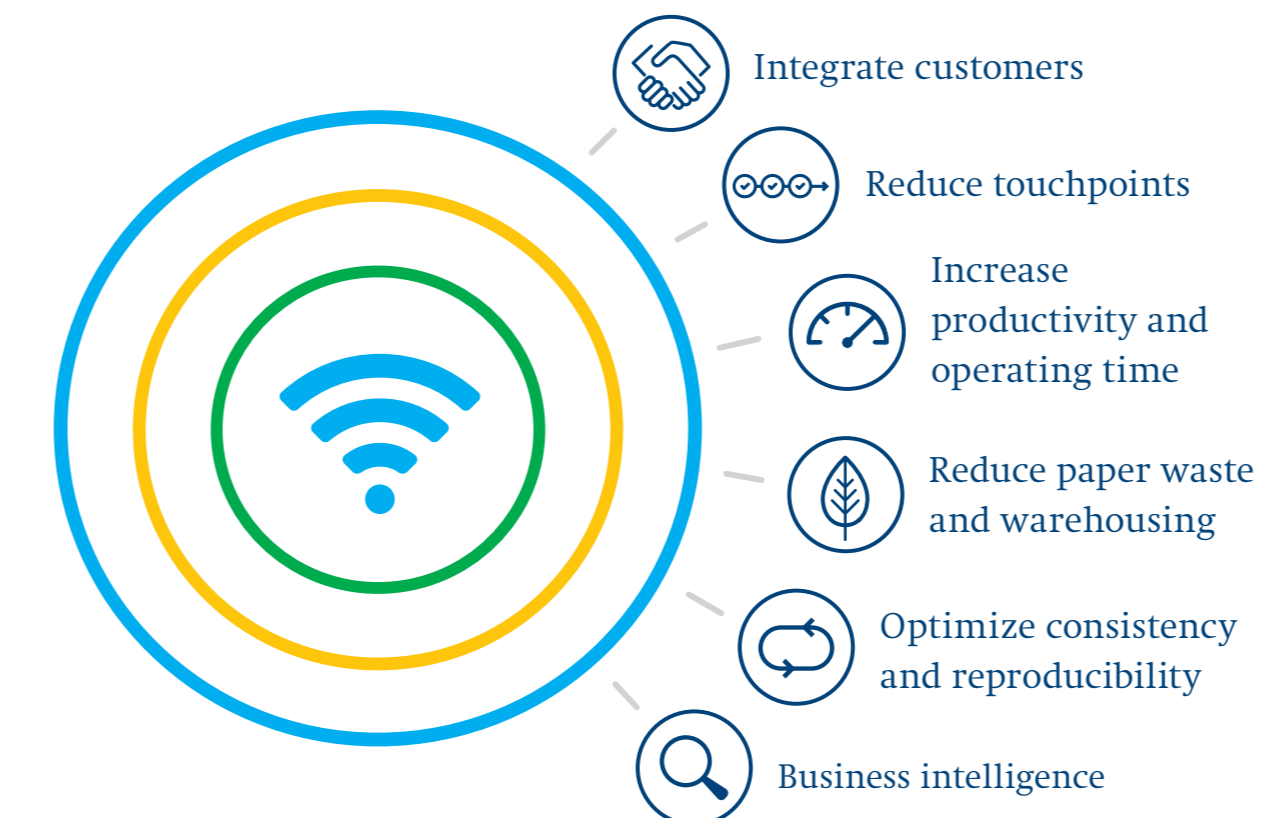
Pave the way for Push to Stop by using intelligent machines that organize and work through the production process independently. With Prinect Production, most operations can be carried out based on navigated or autonomous control.

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

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, packaging or label 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.

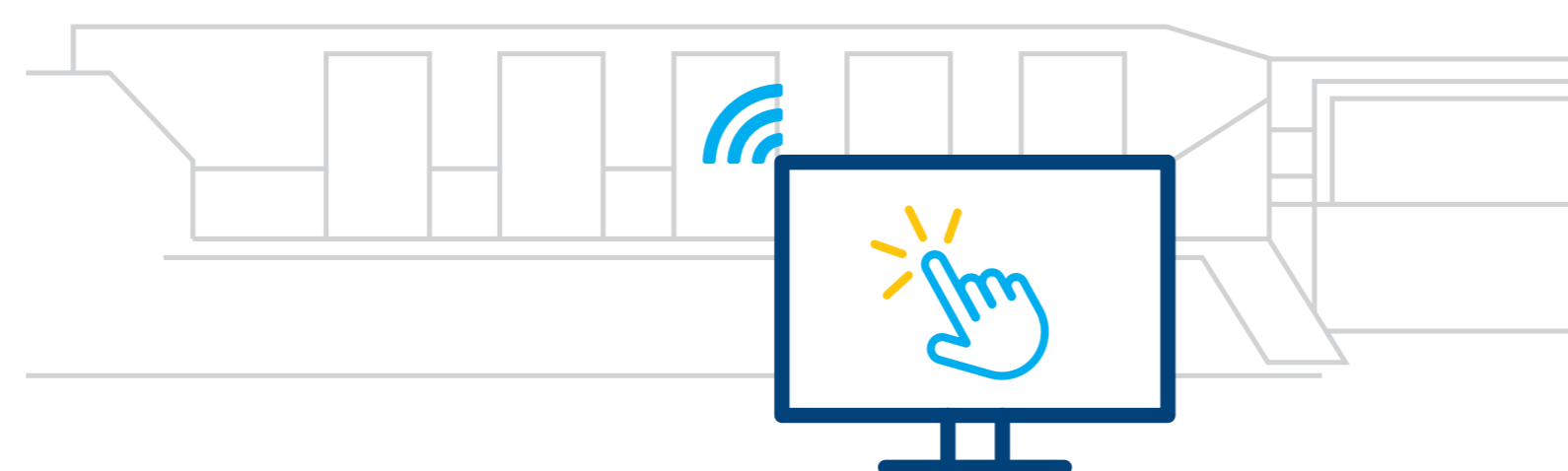
Ensuring that Prinect Workflow is easy to use is one of Heidelberg's top software development priorities. A dedicated team of experts focuses exclusively on the user experience (UX) design, meaning the interface and user prompts.

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.

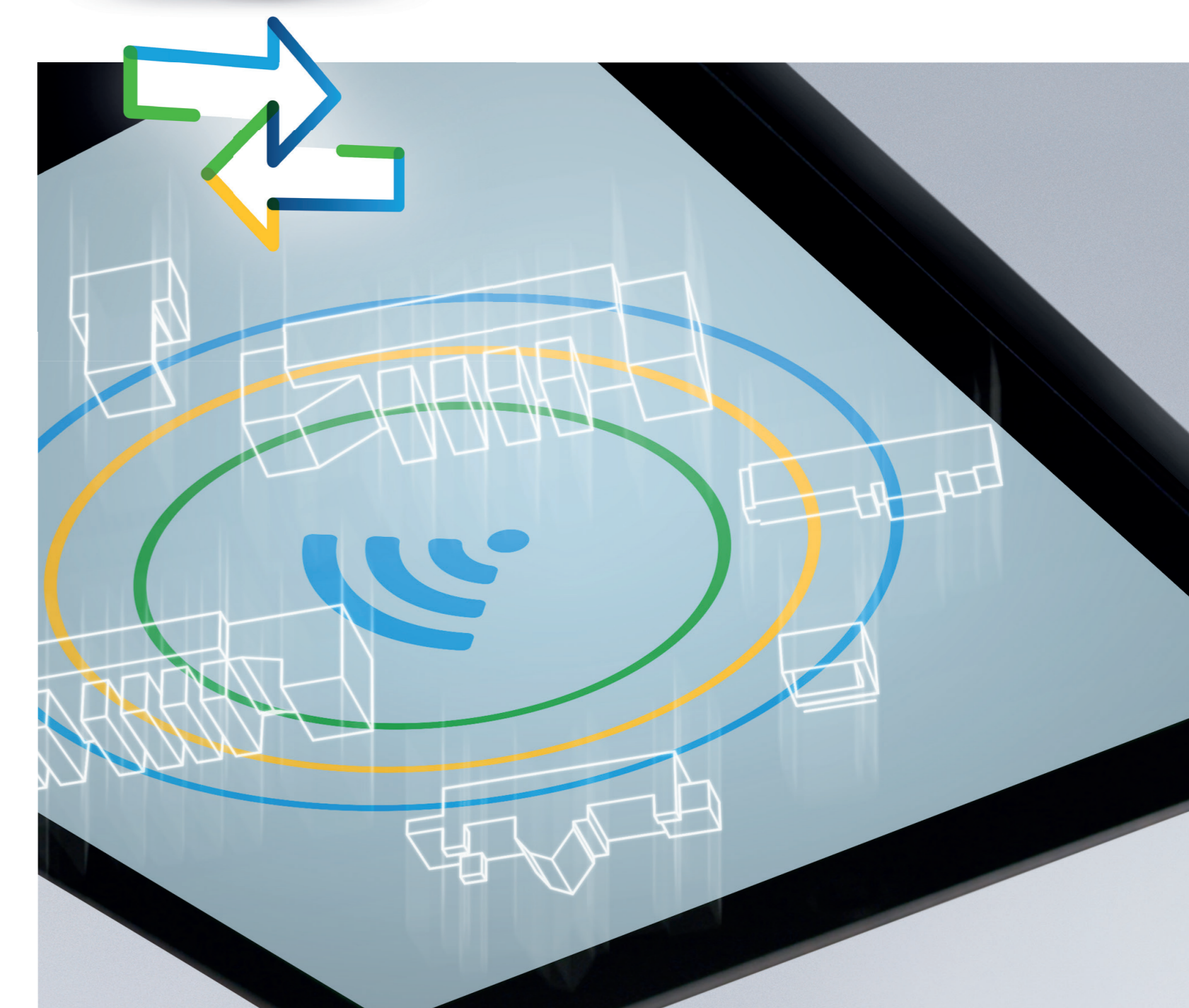
Pay according to volume produced

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.



Smart automation.
Higher productivity.
Prinect Production Label.

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