Solutions from Heidelberg
Product Catalog

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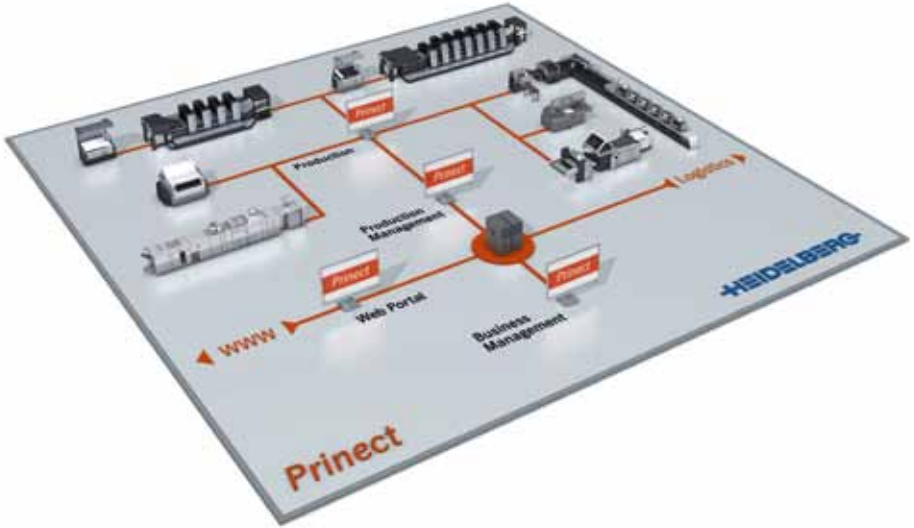
Contents

Prinect. The Operating System for Your Print Shop



Prinect Integration Manager. The Print Shop's Control Center

Prinect® Integration Manager is the JDF-based control center for the print shop. From prepress, across the pressroom to postpress, it connects all processes and communicates with the management information system (MIS). Press and machine data are available in real-time. This makes the print shop workflow transparent and enables efficient and comprehensive control. Processes can be automated and optimized in all areas. Prinect Integration Manager works with JDF job tickets. These job tickets contain job and production data, as well as a process network that clearly details the sequence of steps required to complete the job.

Prinect Integration Manager eliminates misunderstandings to a large extent, accelerates production and minimizes manual entries, a potential source of error. This ensures reliable monitoring and control of jobs.

The optional Prinect Scheduler adds the digital planning board to the system as shown in the screenshot on this page: a powerful tool for optimizing capacity utilization throughout the print shop based on real-time machine data. It dramatically reduces the time and effort required for planning.

Product Profile

- Control center for all print shop operations
- Transparent processes
- Management of the entire print shop based on real-time information
- JDF job tickets containing all job information and production data, plus a process network detailing the exact sequence of the necessary steps
- Optionally extendable with the Prinect Scheduler digital planning board

Prinect Business Manager. The Flexible and Powerful MIS Solution for the Print Media Industry

Prinect® Business Manager is the perfect solution for reliable and flexible cost estimation and order processing. It bundles the information flow on production and makes all processes in the printing house transparent. In this way, the software secures a fast and safe order handling and streamlines production.
A powerful material and stock management module simplifies and optimizes the material flow of the print shop. Precise job costing based on real production data and a variety of reports secure a reliable overview on the production and the relevant financial figures.

- **Estimating:** Fast and flexible calculation with automatic proposal of cheapest print production process and re-use of pre-defined standard jobs
- **CRM & account management:** One click overview to customer data combined with sophisticated customer analysis
- **Warehouse and material management:** Optimizes stock levels and reduces material costs
- **Integration with print production workflow:** Powerful JDF interface to the entire Prinect production workflow speeds up and automates print production
- **Job costing and reports:** Detailed job costing and wide range of production and financial reports

Product Profile

- Professional management information system
- High-performance integration into the Prinect production workflow
- Comprehensive evaluations
- Transparency across the board

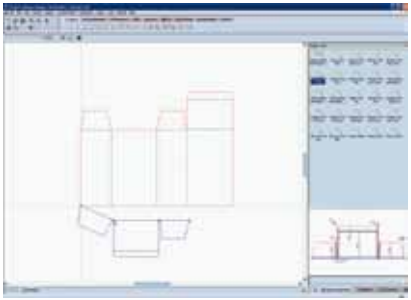
Prinect Web-to-Print Manager. Online Shops Expand Business Areas

The internet and its potential for digital communication and modified business processes opens up new opportunities for the printing industry. Using the new approach to address potential customers, web shops can offer a multitude of services – from simply making products available to ordering individual print products and creating publications jointly online. A further benefit is that online shops are open 24/7.
Prinect® Web-to-Print Manager adds another print media industry growth segment to the Prinect print shop workflow – online shop systems. As an integral part of this workflow, it can be used for a whole host of tasks. Whether simplifying workflows between the print shop and customer with a business-to-business portal or approaching new customers with a business-to-consumer portal, Prinect Web-to-Print Manager can be customized as required. Additional applications include franchise networks and corporate brand management services.

Product Profile

- Generation and management of several web shop systems including all modules
- User interface for the customer (front-end) individually adaptable
- Comprehensive user administration with ordering processes
- Freely definable work steps enable individual customer processes
- Documents can be adapted by the customer
- Extended offering, e.g. with editable printing templates for business cards or business documents
- Supports various business models

Prinect Package Designer. The Efficient CAD/CAM System for Packaging and Die Cutting Tools



This software makes it very simple to draft folding cartons and displays and create the corresponding sheet layouts, e.g. for die cutting tools.

The functionality ranges from structural design through sample production, sheet layout and die cutting parameterization to the generation of presetting data for postpress. The 3D display and animated folding sequences make it much easier to coordinate with customers and graphic designers. And it can help to set up the folder-gluer faster and more accurately. Its scope of delivery includes an extensive library with reusable folding carton types, displays and packaging components, including the complete ECMA and FEFCO catalogs.

Prinect® Package Designer can be integrated into the complete Prinect workflow. This means data coming from the CAD system can be used to generate time- and material-saving presettings for postpress.

The option Synergy provides the basis for efficient designing and editing of parametric components. Libraries with individual, resizable folding cartons, displays and components can be created. The option Diemaker enables the drawing of die cutting forms with bridges, cut-off and compensating knives, as well as simple line preparation and output.

Product Profile

- Uniquely fast and easy drafting of folding cartons and displays with parametric design and creation of die cutting forms and associated tools
- 3D display of the designed object which can be interactively checked and used for customer approval
- Animated folding sequences and presetting data for folder-gluer
- Extensive library including the complete ECMA and FEFCO catalogs
- Options to support creative designs and generate die cutting tools

Prinect Prepress Manager. The Workflow Solution for Automating Prepress

Prinect® Prepress Manager™ significantly simplifies and accelerates prepress tasks. Processes can be controlled centrally and fully automatically at the Prinect Cockpit. The modular system offers the right application for every task and can be seamlessly expanded from a compact installation on one server to a completely integrated production, taking in all areas of a print shop.
The various functions range from automatic checking and optimization of supplied print data and impositioning of sheet layouts, through the selection of the appropriate screening method, to ripping, calibration, proofing, platesetting, and archiving.

Ripping is performed with the Prinect Renderer based on the latest version of Adobe® PDF Engine. Generating presetting data for the printing press helps to save valuable makeready time.

Product Profile

- Automated prepress workflow
- Modular and scalable
- Compact “all-in-one” configuration possible
- The right software module for every prepress task in the commercial and packaging sectors
- Process control and optimization at the Prinect Cockpit
- Uses Prinect Renderer, based on the Adobe PDF Print Engine, for ripping
- Can also integrate the current version of Prinect MetaDimension

Prinect PDF Toolbox. Tools for the Perfect PDF Workflow

The Prinect® software suite for processing PDF documents for commercial and packaging printing includes the following plug-ins for Adobe® Acrobat:

PDF Assistant: the professional tool for comprehensive debugging and processing of PDF files

Color Editor: the tool for cross-media checking and optimization of colors

Coating Editor: the tool for precisely executing coating jobs and creating separations for other special finishing applications

Barcode Editor: the professional tool for generating and exchanging barcodes on PDF documents

Trap Editor: a plug-in for object-based trapping

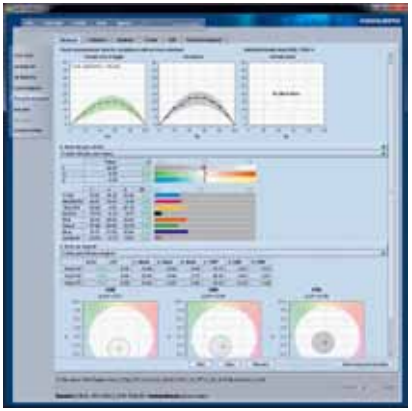
Imposition Editor: a basic tool for creating 2-up printed sheets

Screening Selector: the tool for assigning screenings to objects for Prinect MetaDimension Object Screening

Product Profile

- Plug-ins for Adobe Acrobat for processing and optimizing PDF documents for commercial and packaging printing
- Every tool in the suite can be individually enabled

Prinect Color Toolbox. Tools for Perfect Color Management



The Prinect® software suite for reliable color calibration consists of three programs:

Quality Monitor: the software for consistently monitoring the quality of the print process. Detailed analyses, including over long-term periods, document results to ensure reliable production and compliance with process standards.

Calibration Tool: the tool for central management of all calibration data. It provides the basis for fast, reliable linearization and process calibration of the print process.

Profile Tool: for interactively generating ICC profiles in accordance with general print standards or specific requirements. Profiles can be quickly optimized with Mini Spots®.

Product Profile

- All the tools for perfect color management in one suite
- Tools can be individually enabled as required

Quality Monitor

- Seamless quality control
- Long-term analyses
- Reliable documentation of compliance with standards

Calibration Tool

- Centralized management of calibration data

Profile Tool

- For creating ICC profiles
- Mini Spots for fast and optimal adjustment of color profiles

Prinect Remote Access. The Web Portal for the Prinect Prepress Workflow

Prinect® Remote Access enables secure and convenient online cooperation between the print shop and the customer. This is essential for speeding up the process of generating more cost-effective and less error-prone printable data.

It offers customers, as well as the service provider's production and sales staff, high-performance tools for creating jobs, exchanging documents and files, for color-accurate online softproofing, and for coordinating, correcting and approval.

Since all activities and tasks are transparent for everybody involved in the prepress process at any time and anywhere, both lead and production times can be reduced, saving money that would normally be spent on conventional processes.

Product Profile

- Secure communication and transactions using standard web browsers
- Speedy customer-specific production workflows
- High level of automation for all prepress-related processes
- Reliable online soft proofing
- Event-based e-mail notifications

Prinect Signa Station. The Solution for Imposition and Sheet Assembly

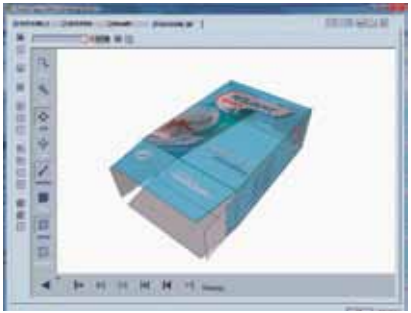
Prinect® Signa Station® is one of the world's leading solutions for impositioning and assembling sheets. Easily understandable assistants and tools as well as visual control of all work steps ensure easy handling for both simple and complex jobs. The software excels with high flexibility due to a conceptual separation of press sheets and folding sheets and with special modules for packaging printing and generating gang jobs.

As a central component within the integrated Prinect workflow, Prinect Signa Station provides rule-based data import from Prinect Web-to-Print Manager and Prinect Business Manager. For automatic layout generation, the optional Sheet Optimizer determines the optimum arrangement for positioning multiple image copies on the sheet for different formats and run lengths.

Product Profile

- Comprehensive functions for imposition and sheet assembly
- Visual control of all work steps
- Conceptual separation of press sheet and folding sheet
- Option Packaging Pro for the support of folding cartons
- Option Gang Assistant for reliable generation of gang jobs
- Option Sheet Optimizer for optimum arrangement of multiple image copies on the sheet in label printing

Prinect Signa Station Packaging Pro. The Fast and Reliable Way to an Optimum Print Sheet Layout in Packaging



Prinect® Signa Station® Packaging Pro brings the benefits of Prinect Signa Station – one of the world's leading software solutions for imposition and sheet assembly – to packaging printers. Easily understandable tools, visual control for all operations, efficient functions for packaging printing, and optimum calculation for gang forms – all are part and parcel of this exceptional program.

For example, complete signatures can be prepared for output. CAD data for all common formats can be imported, processed and exported.

3D soft proofs enable fast and cost-effective control and coordination with the customer.

Integrating Prinect Signa Station Packaging Pro into the Prinect packaging workflow via JDF data import and export reduces throughput times and minimizes makeready times in printing and finishing.

Product Profile

- Functions to support the production of folding cartons and labels
- Import, processing and export of all kinds of CAD data
- Preparation of complete signatures including all marks and control elements
- Definition of clippings on the sheet with automatic or interactive conflict resolution in case of overlapping
- Optimum calculation of gang forms for different print run volumes
- Short makeready times in printing and finishing due to JDF data transfer

Prinect Renderer and Prinect MetaDimension.

The RIPs for Maximum Productivity

These two Heidelberg® RIPs ideally meet the prerequisites for reliable production – with maximum flexibility. Based on the Adobe® PDF Print Engine, PDF files are directly rendered and transparencies are processed with unrivalled dependability. RIP processes are accelerated and made significantly more reliable. The Prinect® Renderer is integrated directly into Prinect Prepress Manager™ and is controlled by the same user interface. In Prinect MetaDimension®, the established Adobe PostScript® Interpreter is also available for conventional job handling.

Prinect MetaDimension and Prinect Renderer's modular design can provide solutions to meet all demands:

- Direct connection to Heidelberg computer-to-plate devices
- **Prinect Shooter:** a dedicated CtP control device for maximum convenience and throughput

Product Profile

- Uses Adobe PDF Print Engine
- Prinect screening methods
- Both RIPs can be used in Prinect Prepress Manager for output of proof and plates
- Prinect MetaDimension offers a stand-alone workflow with Prinect Signa Station

Prinect Screening Family. A Complete Palette of Screening Methods from Heidelberg

The screening methods from Heidelberg® include all classic amplitude-modulated (AM), frequency-modulated (FM) and hybrid screening methods. This wide variety ensures the best possible screening method can be selected for every process configuration and quality requirement. In AM screening, Heidelberg sets the standard with its Irrational Screening (IS), which offers optimum print characteristics and shows the required smoothness, even for difficult subjects such as skin tones. For FM screening, Heidelberg offers Prinect® Stochastic Screening for maximum detail sharpness and incredible photo-realistic effects. Prinect Hybrid Screening combines the advantages of AM and FM screening in one system. It adds the fineness of FM screening to conventional AM screening for very fine screen rulings. The built-in Calibration Manager allows the calibration of the workflow for all of these screening methods and for any process standard.

Prinect Renderer can render individual objects with different screening methods and therefore ensure high flexibility for optimum image reproduction. The Screening Selector in Prinect PDF Toolbox, an Adobe Acrobat® plug-in, enables interactive assignment of screening systems to page objects under visual control.

Product Profile

- Access to all Heidelberg screening methods: Prinect AM Screening, Prinect Stochastic Screening and Prinect Hybrid Screening
- Prerequisite for object-specific screening

Prinect Archive System. Reliable, Straightforward Archiving of all Production Jobs

Heidelberg® offers an archiving tool that is ideal for long-term, flexible, convenient and low-cost archiving of production jobs. With the integration of the Prinect® Archive System in the JDF-based Prinect workflow, files can be rapidly located in the archive. Files can also be selected and effortlessly reinserted into the workflow. A search function that efficiently restores production data significantly accelerates work.

A new storage architecture enables the creation of archives on hard disk and tape. The Prinect Archive System with integrated Storage Pack technology offers maximum reliability and security, because every archive can be simultaneously present at two different locations.

Product Profile

- Reliable, straightforward archiving
- Fast location and restoration of files
- Flexible storage architecture for creating archives on hard disk and tape

Prinect Content System. The Tool for Organizing Job Data

Prinect® Content System makes sure all data is methodically saved by automatically creating job data structures. Based on the Prinect Archive System, it optimizes archiving and organization. When opening a print job, users see its components at a glance. It is also easy to navigate within the displayed data structure, thanks to thumbnails. Prinect Content System is also packed full of powerful search functions that reach beyond the archive itself. Searches for metadata based on the international standards XMP and IPTC are also supported. Since Prinect Content System is browser-based, it can be accessed and used from any workplace.

Product Profile

- Automatic creation of data structures
- Fast navigation in all data structures
- Thumbnails for quick identification
- Search function for all job data
- Browser-based for access from anywhere
- When archiving and restoring job data and data structures, Prinect Content System accesses the archive of the Prinect Archive System

Computer-to-Plate. Platesetters for Turning Your Business Model into a Success Story

Computer-to-Plate (CtP) is the world's leading technology for enhancing the pressroom's productivity and efficiency. The performance of the press and above all of the platesetter plays a decisive role. Outstanding quality and absolute reliability – to deliver optimal performance when in continuous use and to contribute to the print shop's economic success, a platesetter must be well prepared to cope with the exacting requirements of the pressroom. Based on the experience acquired with several thousands of installed CtP systems worldwide, the Suprasetter® is a platesetter generation that sets new standards in all format classes. From the solution in the small format range through to the very large size format range, the same principles for success apply to each model of the Suprasetter range: outstanding quality, maximum availability, expandable modularity and high flexibility as well as perfect integration into the Prinect® print shop workflow.

Suprasetter A52/A75. The Solution for Small and Medium Formats

The uniquely compact design of the Suprasetter® range for the small and medium-size format range is highly impressive. The Suprasetter A52/A75 manually operated basic unit has a strikingly small footprint, and together with the loading system is the smallest platesetter in its class. When the Auto Top Loader (ATL) or Dual Top Loader (DTL) is installed, the Suprasetter A52/A75 provides complete automation for different plate formats in parallel – including the removal of slip sheets. A Suprasetter A52/A75 uses the same laser technology as the entire Suprasetter family, a technology developed exclusively by Heidelberg®, and offers reliable and excellent imaging quality. In addition, the Suprasetter A52/A75 uses very little energy and produces little waste heat: an ambient temperature of up to 30 degrees requires no additional indoor air-conditioning system.

Integration into the Prinect® workflow facilitates efficient working with presetting data.

The lenticular printing and 5,080 dpi high resolution options can even open up new customer segments.

Technical Details

Type:
- Thermal platesetter with external drum

Handling:
- Manual (standard), semi-automatic with online processor, fully automatic with Auto Top Loader (ATL or Dual Top Loader (DTL)

Max. plate format (H × W):
- A52: 676 × 530 mm
- A75: 676 × 760 mm

Resolution:
- 2,400 dpi
- 2,540 dpi
- 5,080 dpi

Suprasetter A106/106. Modular for Maximum Flexibility and Productivity

The Suprasetter® A106 and Suprasetter 106 offer maximum flexibility and modularity for the medium-size format range. Equipped with the unique thermal laser technology developed by Heidelberg®, the platesetters are almost totally protected against production failures by the intelligent diode system (IDS). An extensive cooling system makes sure the platesetting process is not influenced by the external ambient room temperature.

Output can be precisely adjusted to your print shop plate throughput, offering full scalability to higher output levels at any time. With the Auto/Dual Cassette Loader (ACL/DCL) or the Multi Cassette Loader (MCL) you can also implement fully automated plate production. All Suprasetters can be equipped with an optional internal printing plate punching system for maximum register accuracy. Integration into the Prinect® workflow and the use of Prinect screening methods are supported.

The lenticular printing option can even open up new customer segments.

Technical Details

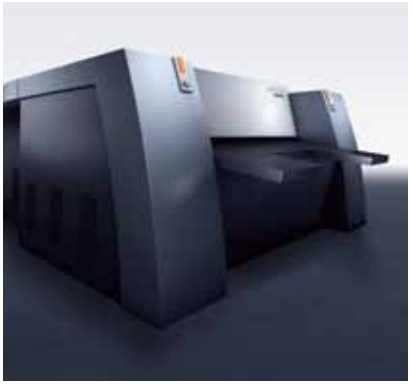
Type:
- Platesetter with external drum

Handling:
- Manual (standard), semi-automatic with online processor, fully automatic with Single Cassette Loader (SCL) or Multi Cassette Loader (MCL)

Max. plate format (H × W):
- Suprasetter 106: 930 × 1,140 mm
- Suprasetter A106: 930 × 1,060 mm

Resolution:
- 2,400 dpi
- 2,540 dpi

Suprasetter 145/162/190. Highest Precision and Absolute Reliability for Large-Format Platemaking



The Suprasetter® 145/162/190 is your reliable partner for large-format production.
Based on the well-proven technology of the Suprasetter family these new Suprasetter deliver top imaging quality. A patented laser system from Heidelberg® with Intelligent Diode System (IDS) and high depth of focus ensures maximum reliability of production. Equipped with temperature stabilizer and optional internal punching systems, these Suprasetter ensure maximum register accuracy. An optional Debris Removal System protects the inside of the equipment, while also enabling problem-free use of processless plates. The Suprasetter 145/162/190 are modular in design and can be scaled up for higher throughput and larger plate size. The Suprasetter 145/162/190 can be upgraded with Auto Cassette Loader (ACL) for fully automatic operation. Seamless integration into the Prinect® workflow lets you work efficiently with presetting data.

Technical Details

Type:
- Platesetter with external drum

Handling:
- Manual, semiautomatic with online processor, fully automatic with Auto Cassette Loader (ACL)

Max. plate format (H × W):
- 145: 1,425 × 1,460 mm
- 162: 1,425 × 1,630 mm
- 190: 1,425 × 1,915 mm

Resolution:
- 2,400 dpi
- 2,540 dpi

Prinect Digital Print Manager. Maximum Productivity Through the Integration of Heidelberg Digital Printing Systems

Prinect® Digital Print Manager enables complete integration of Heidelberg® digital printing systems into the Prinect management and production workflow. Print shops can choose flexibly and job-specifically between offset and digital production, produce with a combination of both technologies, or use the most cost-effective printing method for preliminary runs, main runs or repeat runs. No matter which printing method is selected, all jobs can be managed, planned and produced centrally in one workflow system.

In addition to color-consistent hybrid production, Prinect Digital Print Manager also enables the printing of personalized documents. With a special, document-oriented user interface, typical digital print products, such as personalized flyers and other print-on-demand applications can be parameterized fast and efficiently from imposition to postpress. Plus, feedback from digital presses is immediately available for job costing and evaluations of machines and jobs.

Product Profile

- A single, consistent workflow for offset and digital printing
- Central planning and job costing for offset and digital print jobs
- Maximum productivity through flexible selection of the most cost-effective printing method or through a combination of offset and digital printing
- Consistent color management for all jobs independent of the selected printing method
- Production of personalized documents
- Document-oriented workflow from imposition to postpress

Prinect Pressroom Manager. The Control and Information Center for the Pressroom

Prinect® Pressroom Manager centrally controls every operation in the pressroom and manages the relevant job information and production data. Color presetting data are automatically calculated by Prinect Pressroom Manager, which, at the right point in time, delivers them together with the job data to the integrated presses and color measurement systems.

This automation delivers a significant increase in productivity and more transparency in the pressroom. Thanks to the efficient use of presetting data, makeready times and waste at the presses are considerably reduced.

The production data from the connected printing presses and color measurement systems are evaluated in Analyze Point. Clearly understandable reports supply data on performance and productivity as well as information on jobs and their quality. The application Prinect Mobile for smartphones and tablet PCs enables access to status displays, even when traveling. This makes Prinect Pressroom Manager the central management system for the pressroom, enabling fast, direct and flexible reactions to changing requirements.

Product Profile

- Central control of the entire pressroom
- Integration of printing presses and color measurement systems
- Maximum availability of current job information and production data
- Accurate press presetting values
- Display of job status in real time
- Mid- and long-term reporting and statistics to support improvement actions
- Central storage of press settings to ensure efficient production of repeat jobs

Prinect Prepress Interface. The Perfect Link Between Prepress, Press and Postpress

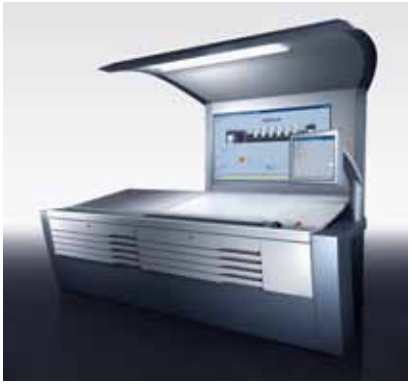
Prinect® Prepress Interface ensures smooth interaction between all departments involved in the production process. Direct transfer of print-relevant parameters from the prepress stage makes the whole process of entering press settings faster and more reliable, with significant reductions in waste.

Prinect Prepress Interface also supports the color workflow and the finishing stage by transferring position marks for color measurement, cutting, folding and saddle-stitching. This considerably simplifies the setting-up procedure for the operator.

Product Profile

- Direct import of relevant print parameters from prepress
- Precise presetting of the ink zones and reliable job identification
- Color workflow supported by transfer of the type and positions of print control strips and Mini Spots
- Transfer of cutting and folding marks to finishing machines
- Advanced client/server software architecture
- Intuitive operator interface
- Integrated PANTONE® and HKS color databases

Prinect Press Center. The High-Performance Control Station for the Printing Press



The control station Prinect® Press Center® for all Speedmaster® presses sets new standards in terms of performance, reliable production and user-friendly operation. State-of-the-art technology, smart automation and excellent data management ensure consistently efficient production.

Based on Sheetfed Control®, the patented, decentralized control platform from Heidelberg®, the Prinect Press Center combines press operation with remote ink and register control in a central console. Intellistart®, the unique process-oriented navigation system, compares the next job with the one currently running and provides intelligent assistance to changeover. This increases productivity by up to eight percent.

The Prinect Press Center is a modular system and is available in many different versions with flexible configuration options.

Product Profile

- Cutting edge design for greater functionality and ergonomics
- Highly flexible configuration with various options
- Reliable color matching in line with ISO 3664
- 19-inch touchscreen for greater operating convenience
- Intellistart: an innovative, process-oriented navigation system
- Excellent data management and shop floor data collection
- Integrated Prinect color measurement systems for high-level quality control
- Wallscreen, the information center for the pressroom (optional)

Prinect Performance Benchmarking. The Guesswork is Over.

With Prinect® Performance Benchmarking, Heidelberg® offers print shops a new internet-based solution they can use to compare the productivity of their own Speedmaster® presses anonymously with those of other participating printers. For this purpose, the print performance of the connected machines is recorded automatically online, evaluated centrally and made available in a personal Prinect internet portal by Heidelberg.

Precise online performance analysis:
The performance comparison with the evaluations:

- Good Production Speed
- Overall Equipment Effectiveness (OEE index)
- Speed index
- Quality index and
- Time index

gives a clear indication of how productive the presses are.

With Prinect Performance Benchmarking, Heidelberg offers a unique tool to support print shops in their aim to achieve optimum productivity of their printing presses.

Product Profile

- Easy comparison of productivity using up-to-date information at any time
- Market transparency in national and international competitive environments
- Efficient tool for process optimization and cost reduction
- Proven data security by Heidelberg
- Regularly updated, anonymous benchmarks
- Adaptable comparison classes and filters

Prinect Auto Register. The Inline Register Measurement System for Highest Register Accuracy

Prinect® Auto Register measures register while the press is operating, ensuring optimum register from the very first pull. Makeready times and waste are significantly reduced and quality is sustainably improved thanks to ongoing register measurement and control during production.

Prinect Auto Register enables error-free production with minimal time, materials and work. It is particularly recommended for use in presses with eight, ten or twelve printing units.

Product Profile

- Fully automated register measurement directly in the press
- Minimized makeready times and waste
- Ongoing register control during production
- Consistent quality throughout the entire print process
- Simple operation via the Prinect Press Center control station

Prinect Easy Control. The Standard Color Measurement System for Safeguarding Production

For commercial printers, Prinect® Easy Control is the ideal entry into precise color measurement. Integrated in the Prinect Press Center® to save space, the system is conveniently operated from the press control station's touchscreen and does not block the available working area. Prinect Easy Control measures spectrophotometrically in the print control strip and is connected online to the press's ink zone control system. If a color deviation is detected, the ink zone openings in the press are automatically readjusted accordingly.

In addition to polarized densities and screen dot values for CMYK, it also provides the printer with non-polarized colorimetric L*a*b* coordinates according to standards, the color deviation ΔE, and information on slurring and doubling.

It is also possible to see whether the desired color tone is actually achievable with the ink in the ink fountain. This eliminates any potential complaints before printing even starts.

Product Profile

- Spectrophotometric color measurement system for CMYK (process) and spot colors
- Touchscreen operation
- Does not block the control station's working area
- Online adjustment of the ink zones in up to six printing units in straight or perfecting mode
- High measuring speed of 150 mm/sec (5.91 in/sec)
- Displays density, ΔD, L*a*b*, ΔE, slurring/doubling, dot gain, color difference ΔF, and color deviation that cannot be eliminated ΔE0
- Print control strip freely positionable on the sheet
- Reliable measurement of sample colors for accurate reproduction

Prinect Axis Control. The Powerful Color Measurement System for Effective Quality Assurance

Its high degree of automation quickly makes Prinect® Axis Control® an indispensable helper at the press in any print shop. Simultaneous color control of all ink zones is based on values calculated spectrophotometrically. Especially in combination with the new digital ink zone drives in the Speedmaster® model series XL, CX and SX, the press inks up much faster and less waste is produced during makeready and production run.

The high-performance suction system guarantees the sheet is kept absolutely flat, regardless of the grammage. Without touching it, the makeready assistant directs the measuring head to the start of the print control strip, no matter where it is positioned on the sheet.

The Auto Tracking function ensures reliable measurement, even if the sheet is not positioned exactly at the correct angle. The compact spectrophotometric sensor and maintenance-free LED illumination enable the use of micro print control strips, saving paper and time.

Netprofiler, the software for independent calibration, ensures that the color measurement system settings always match the certified standard factory settings and that the device is working with maximum precision.

Product Profile

- Fast and reliable measurement in the print control strip
- Online color control of ink zones for up to ten printing units in straight or perfecting mode
- High measuring speed of 200 mm/sec (7.87 in/sec)
- Variable positioning of the print control strip
- Optimum print sheet suction for precise color measurement
- Automatic location and recognition of the print control strip
- Simple operation via Prinect Press Center
- Measurement results can be shown on the Prinect Press Center Wallscreen
- Integrated HKS and PANTONE® color databases
- Comprehensive quality reporting and process control

Prinect Image Control. The Full Sheet Color Measurement System for Optimal Quality in the Printed Image

Prinect® Image Control is the world's leading spectrophotometric measurement system for monitoring the entire print process. The system's great advantage is that measurement is not restricted to the print control strip but covers the whole print image, while at the same time providing automatic online control for all printing units in up to four presses. The user-friendly operation is comparable to that of Prinect Press Center®, the control station for Heidelberg® printing presses.

Prinect Image Control is the only system on the market to automatically find directly on the sheet CMYK images as well as homogeneous halftone and solid areas consisting of process and spot colors. Even under unstable process conditions, Prinect Image Control ensures stable image inking.

Besides the print control strip and the print image, Prinect Image Control also measures any Mini Spots® positioned on the sheet and analyzes the process quality using the integrated software Quality Monitor.

Fast measurement and evaluation of test forms, together with the direct export of the measurement data to Prinect Color Toolbox ensure effective color management.

Netprofiler, the software for independent calibration, ensures that the settings of the color measurement systems always match the certified standard factory settings and that the device is working with maximum precision.

Product Profile

- Online ink zone adjustment for up to ten printing units in straight or perfecting mode
- Quality Center for prepress and pressroom
- Color measurement system for up to four presses
- Spectrophotometric control in the print control strip and directly in the print image
- Integrated process analysis software
- Measurement results can be shown on the Prinect Press Center Wallscreen
- Fast job setup based on CIP4-PPF data from prepress
- Integrated HKS and PANTONE® color databases
- Seamless quality reporting and process control

Prinect Inpress Control. The Inline Color Measurement System for Highest Productivity

Prinect® Inpress Control automatically measures color and register on the fly. Integrated directly in the press, the measuring unit measures process colors, spot colors, and register in the print control strip. Any corrections required are forwarded directly to the Prinect Press Center® press control station for adjustment. As the press does not need to be stopped for either makeready or monitoring of the production run, Prinect Inpress Control achieves maximum productivity, the press comes into color more quickly and waste is reduced. Print shops with frequent job changes, short runs and standardized jobs benefit particularly from the strengths of this system. Prinect Inpress Control makes their production cost-effective and ensures reliable quality.

Netprofiler, the software for independent calibration, ensures that the settings of the color measurement systems always match the certified standard factory settings and that the device is working with maximum precision.

Product Profile

- Spectrophotometric inline measurement of process and spot colors in the print control strip
- Online adjustment of the ink zones for up to ten printing units in straight or perfecting mode
- Automatic register control and adjustment on the fly
- Measurement results can be shown on the Prinect Press Center Wallscreen
- High color stability thanks to continuous production monitoring
- Simple operation via the Prinect Press Center touchscreen
- Integrated HKS and PANTONE® color databases
- Seamless quality reporting

Prinect Inspection Control. The Inline Sheet Inspection for Maximum Security in the Printing Process

Premium quality calls for highly accurate control. Designed for the Speedmaster® model series XL 106, CX 102 and XL 75, the Prinect® Inspection Control inline sheet inspection system seamlessly controls and documents the entire print run at full production speed. Prinect Inspection Control compares each print sheet with the digital reference sheet and alerts the printer as soon as errors have been detected, avoiding any ensuing costs. A tab inserter integrated in the delivery unit automatically marks the beginning and end of the defective sheet. As an option, the Speedmaster XL 106 can also be equipped with an inkjet device for marking defective folding cartons automatically for later rejection in the folder-gluer. The integrated reporting function reliably documents quality. This puts an end to costly manual quality assurance activities or expensive reprinting of the whole run due to minor printing errors.

Product Profile

- Perfect sheet inspection for early detection of defects in print or materials
- Uses two high-resolution line scan cameras (RGB or BW)
- Verification of a printed sheet against a PDF from prepress
- Constant monitoring of all print sheets right up maximum print speed
- Easy operation and clear display of errors on the Prinect Press Center Wallscreen
- Seamless documentation
- Tailor-made solution for packaging and label printing

Prinect Dipco Elements. The Comprehensive Digital Print Control Package

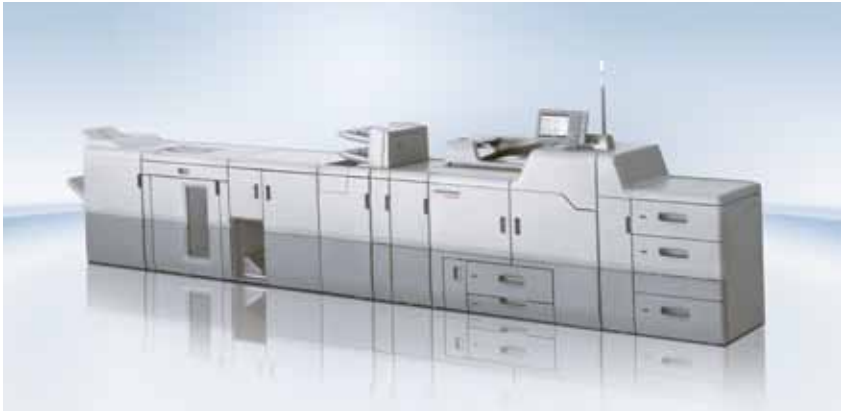
Achieving the desired production quality entails not only suitable color measurement systems, but also digital print control elements that have been especially adapted to these systems.

Prinect® Dipco Elements includes the digital print control elements required for the prepress and press stages for all press formats. It includes print control strips for every print application, measurement fields for quality assessment, search and control marks for register control, marks for visual register control, measurement blocks for determining process characteristics, and Mini Spots® for continuous process control during production.

Product Profile

- All digital print control elements available from Heidelberg combined in a single package
- Customized for all measurement systems and press formats
- Available in EPS, DCS and PDF formats
- Included in the scope of delivery for Prinect Signa Station and all Prinect color measurement systems

Linoprint C 751. Digital Printing Solutions



The Linoprint® C 751 is the entry-level series for digital color production. With superior image quality and exceptional functionality, the Linoprint C 751 offers the highest specification and reliability in its class.

Product Profile

- Cost-efficient production for very short runs and variable data
- Workflow integration via Prinect
- Max. paper size: 330.2 × 487.7 mm (13.00 × 19.20 in)
- Min. paper size: 100 × 140 mm (3.94 × 5.51 in)
- Print speed: 75 A4 pages/minute
- Grammages: Up to 300 gsm
- Max. printable area 323 × 480 mm (12.72 × 18.90 in)
- Max. input capacity: 7,000 sheets
- Peak load: Up to 350,000 pages/month
- Fogra-certified to ISO 12647
- Oil-free PxP toner for results close to offset quality
- Operator replaceable units (ORUs)
- Extensive media library
- Large range of automated postpress solutions
- Optional scanner function

Linoprint C 901. Digital Printing Solutions

The Linoprint® C 901 is an advanced digital color production system. Equipped to produce an incredible variety of printing materials, the Linoprint C 901 provides impressive levels of versatility, scalability, and performance.

Its flexible workflow, feeder, and inline finishing are ideal for very small print volumes and for printing variable data.

Product Profile

- Cost-efficient production for very short runs and variable data
- Workflow integration via Prinect
- Max. paper size: 330 × 487.7 mm (12.99 × 19.20 in)
- Min. paper size: 140 × 182 mm (5.51 × 7.17 in)
- Print speed: 90 A4 pages/minute
- Grammages: Up to 300 gsm
- Max. printable area 320 × 480 mm (12.60 × 18.90 in)
- Max. input capacity: 11,000 sheets
- Peak load: Up to 580,000 pages/month
- Fogra-certified to ISO 12647
- Oil-free PxP toner for results close to offset quality
- Operator replaceable units (ORUs)
- Extensive media library
- Large range of automated postpress solutions
- Optional scanner function

Linoprint L. The Modular Digital Printing System for Labels and Foils

With its impressive print speed, high resolution, and exceptionally short makeready times, the Linoprint® L digital printing system is ideal for challenging label and foil printing in short and medium runs.

The system's reliable DoD technology enables direct, contact-free printing of an extremely wide range of substrates.

In its compact enclosure, the printing system integrates seamlessly into your production environment if required. Both setup and printing are amazingly straightforward. What's more, most processes – such as cleaning the print head – are fully automatic. The Linoprint L sets standards thanks to its low total cost of ownership (TCO) with variable contents and short to medium runs.

Product Profile

- Printing method: UV piezo DoD inkjet
- Printing width: 100/210/315/420 mm (3.94/8.27/12.40/16.54 in)
- Colors: Up to 4 colors
- Resolution: 600 × 600 dpi
- Print speed: Up to 48 m/min. (1,890 in/min.)
- Ink drying: UV LED
- Cleaning: Automatic print head cleaning
- Cost-effective production for short runs and variable data
- Compliance with quality assurance guidelines for manufacturing processes and the production environment (GMP)
- 100% print monitoring if required

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Presses. Solutions for the Pressroom Precisely Tailored to Your Requirements

The market for high-quality offset print products is changing fast. Print shops need to meet the challenge of ensuring excellent flexibility, short response times, and cost-efficient production – even with short and very short runs. Solutions from Heidelberg® are specifically designed to meet all these new demands.

Heidelberg products provide everything that is needed for an eco-friendly print process. With carbon-neutral presses and its green printing activities, the company enables print shops to gear their operations perfectly to these market requirements.

Printmaster QM 46. Efficiency in Small-Format Offset Printing

With its high level of automation, the Printmaster® QM 46 delivers excellent productivity and cost-efficiency in small-format offset printing. Extremely fast makeready enables quick job changes and measurably greater efficiency when producing one- and two-color commercial jobs. Customers' expectations are steadily increasing – they are asking for shorter runs, better service for less money, and classical print items with spot colors. With the Printmaster QM 46, it is possible to meet all these demands and still turn a profit. The press is ideal for one- or two-color rush jobs in particular – from business cards to A3 posters. The optional basic kit for numbering and perforating results in even greater versatility.

Technical Data

Output:

- Max. 10,000 sph

Formats:

- Max. sheet size
  460 × 340 mm (18.11 × 13.39 in)
- Min. sheet size
  140 × 89 mm (5.51 × 3.50 in)
- Min. sheet size
  (with device for small formats):
  100 × 100 mm (3.94 × 3.94 in)
- Max. print format:
  453 × 330 mm (17.83 × 12.99 in)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Printmaster GTO 52. The Ideal All-Rounder for Starting Out in Professional Offset Printing

The Printmaster® GTO™ 52 is a proven universal press for high-quality A3 printing. Combining enhanced ease of operation with exceptional versatility and optimized ergonomics, it is the ideal press for starting out in professional offset printing. The flexible Printmaster GTO 52 comes in one-, two-, and four-color models with the Prinect® Classic Center for remote-control ink and register settings. The single-sheet feeder transports virtually any material into the press smoothly and reliably. The alcohol-free continuous dampening system makes the production process even more stable. A wide range of optional accessories is available, including a numbering and perforating device, a coating unit, and dryers.

Technical Data

Output:

- Max. 8,000 sph

Formats:

- Max. sheet size
  360 × 520 mm (14.17 × 20.47 in)
- Min. sheet size
  105 × 180 mm (4.13 × 7.09 in)
- Min. sheet size
  (with device for small formats):
  85 × 140 mm (3.35 × 5.51 in)
- Max. print format:
  340 × 505 mm (13.39 × 19.88 in)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Speedmaster SM 52. Great Press, Great Price, Great Value

The Speedmaster® SM 52 two- and four-color models are the ideal presses for small and medium-sized commercial print shops that are looking to satisfy growing customer requirements. The Speedmaster SM 52 now boasts an extended range of standard features geared specifically to the needs of these print shops. Combining successful Speedmaster technology with attractive conditions, it offers reliability in production and investment security by delivering excellence when it comes to print quality, reliability, and value retention. The Prinect® Press Center® Compact with its innovative Intellistart® process-oriented operator guidance system enables straightforward and precise machine control. The suction belt feeder, which is unique in its class, and the automatic wash-up devices minimize makeready times.

Technical Data

Output:

- Max. 15,000 sph

Formats:

- Max. sheet size
  370 × 520 mm (14.57 × 20.47 in)
- Min. sheet size
  105 × 145 mm (4.13 × 5.71 in)
- Max. print format:
  360 × 520 mm (14.17 × 20.47 in)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Speedmaster SX 52. Versatility for Success – the Ideal Combination of Innovation and Stability

The success of the Speedmaster® SX 52 is based on performance innovations and a winning, tried-and-tested machine platform. It offers a wide range of applications, with configuration options including anything from two to ten printing units, with or without a perfecting device and coating unit. Different coating systems for conventional or UV applications and an inline die-cutting unit are just a few of the possibilities. Depending on the requirements, for example, the Speedmaster SX 52 can be equipped with inking unit temperature control or Color Assistant Pro. The result is an impressively versatile made-to-measure machine that paves the way for you to enjoy profitable production.

Technical Data

Output:

- Max. 15,000 sph

Formats:

- Max. sheet size
  370 × 520 mm (14.57 × 20.47 in)
- Min. sheet size (straight printing):
  105 × 145 mm (4.13 × 5.71 in)
- Min. sheet size
  (perfecting mode):
  140 × 145 mm (5.51 × 5.71 in)
- Max. print format (straight printing):
  360 × 520 mm (14.17 × 20.47 in)
- Max. print format
  (perfecting mode):
  350 × 520 mm (13.78 × 20.47 in)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Anicolor. The Revolutionary Inking Unit for Short Runs

The Anicolor® inking unit is a zoneless short inking unit with dampening system. Straightforward operation quickly paves the way for uniform inking without spending a lot of time on settings. This reduces paper waste by up to 90 percent compared to machines with conventional inking units.

An engraved screen roller located between the chambered blade and the inking form roller ensures extremely stable inking and thus reproducible quality at all times. This makes Anicolor inking unit technology the ideal solution for standardized printing.

The Anicolor innovation cuts the costs of offset printing in short print runs significantly, thus ensuring optimum offset quality at cost-effective prices.

Product Profile

- Unbeatable productivity for short runs
- Up to 90 percent less paper waste
- Up to 50 percent shorter makeready times
- Up to 50 percent higher productivity
- Consistently high print quality
- The zoneless inking unit is extremely easy to use
- Incredibly straightforward reproduction of print jobs
- Perfect for standard print jobs
- Full integration into the Prinect workflow
- UV applications for non-absorbent substrates

Speedmaster SM 74. Great Press, Great Price, Great Value

The Speedmaster® SM 74 two- and four-color models are the ideal presses for print shops with a flexible approach to satisfying growing customer requirements or a desire to grow in a changed market environment. The Speedmaster SM 74 now boasts an extended range of standard features geared specifically to the needs of these print shops. Combining successful Speedmaster technology with attractive conditions, it offers reliability in production and investment security by delivering excellence when it comes to print quality, reliability, and value retention. From light weight paper to cardboard, the Speedmaster SM 74 processes a wide range of substrates. The compact standard delivery or the convenient high-pile delivery ensure perfect stacking. The Prinect® Press Center® Compact with Intellistart® enables straightforward and precise machine control, while the suction belt feeder, AutoPlate, and automatic washup devices minimize makeready times.

Technical Data

Output:

- Max. 15,000 sph

Formats:

- Max. sheet size
  530 × 740 mm (20.87 × 29.13 in)
- Min. sheet size
  210 × 280 mm (8.27 × 11.02 in)
- Max. print format:
  510 × 740 mm (20.08 × 29.13 in)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Speedmaster SX 74. Profitable Solution for Success – the Ideal Combination of Innovation and Stability

Combining the innovative and pioneering technology of the Speedmaster® XL series with the successful platform of the Speedmaster SM 74, the Speedmaster SX 74 sets new standards in its performance class. The machine configuration can be customized to meet the requirements of the particular print shop and can include anything from two to ten printing units, with or without a perfecting device or coating unit.
Depending on the relevant requirements, the Speedmaster SX 74 can be equipped with a number of components – such as the fully automatic plate changer AutoPlate Pro, Prinect® Auto Register or a self-calibration of the ink zones and an optimization of the ink presettings with Color Assistant Pro. These turn the Speedmaster SX 74 into a highly automated machine for a sustained boost to productivity.

Technical Data

Output:
- Max. 15,000 sph

Formats:
- Max. sheet size
  530 × 740 mm (20.87 × 29.13 in)
- Min. sheet size (straight printing):
  210 × 280 mm (8.27 × 11.02 in)
- Min. sheet size (straight printing with pile support plate in the feeder):
  280 × 280 mm (11.02 × 11.02 in)
- Min. sheet size (perfecting mode):
  300 × 280 mm (11.81 × 11.02 in)
- Max. print format:
  510 × 740 mm (20.08 × 29.13 in)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Speedmaster XL 75. Peak Performance Class – Technology and Productivity that Know no Compromise

The Speedmaster® XL 75 is the uncompromising solution in the 50 × 70 centimeters (19.69 × 27.56 inches) format class. It delivers maximum availability, minimum makeready times, and maximum production speeds, giving a crucial competitive edge in terms of technology and productivity. This range includes presses with two to twelve printing units and optional perfecting or coating unit. Depending on the requirements, the Speedmaster XL 75 can be equipped with packages to shorten makeready times and boost productivity. It can also be combined with various components, such as Star System peripherals from Heidelberg®. The result is a made-to-measure machine that offers you added value, enables you to stand out on the market, and ensures you are ideally equipped for the future.

Technical Data

Output:

- Standard: Max. 15,000 sph
- Option on straight printing presses: Max. 18,000 sph

Formats:

- Max. sheet size (F format/C format): 605 × 750 mm/530 × 750 mm (23.82 × 29.53 in/20.87 × 29.53 in)
- Min. sheet size (straight printing): 210 × 350 mm (8.27 × 13.78 in)
- Min. sheet size (perfecting mode, F format): 340 × 350 mm (13.39 × 13.78 in)
- Min. sheet size (perfecting mode, C format): 300 × 350 mm (11.81 × 13.78 in)
- Max. print format (F format/C format): 585 × 740 mm/510 × 740 mm (23.03 × 29.13 in/20.08 × 29.13 in)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Speedmaster SM 102. Great Press, Great Price, Great Value

The name Speedmaster® stands for productivity, quality, reliability, and cost-effectiveness. The wide range of standard features and the successful technology of the Speedmaster SM 102 offer commercial print shops production and investment security by delivering high print quality, established reliability, and excellent long-term investment value. The Speedmaster SM 102 benefits from convenient automation and straight-forward operation.

The Prinect® Press Center® Compact with Intellistart® integrates the Speedmaster SM 102 into the Prinect workflow. The Preset Plus Feeder maximizes substrate flexibility. The inking unit and Alcolor® dampening system with Vario deliver consistent color excellence. The convertible three-drum perfecting device makes the Speedmaster SM 102 even more flexible and profitable, while AutoPlate enables fast plate changes.

Technical Data

Output:

- Straight printing presses:
  Max. 15,000 sph
- Perfecting presses:
  Max. 13,000 sph

Formats:

- Max. sheet size:
  720 × 1,020 mm (28.35 × 40.16 in)
- Min. sheet size
  (straight printing):
  340 × 480 mm (13.39 × 18.90 in)
- Min. sheet size
  (perfecting mode):
  400 × 480 mm (15.75 × 18.90 in)
- Max. print format
  (perfecting mode):
  700 × 1,020 mm (27.56 × 40.16 in)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Speedmaster SX 102. Perfect Solution for Success – the Ideal Combination of Innovation and Stability

The Speedmaster® SX 102 combines the customer-focused technology transfer of the Speedmaster XL series with the successful platform of the Speedmaster SM 102. The shorter makeready and throughput times and ergonomic operation set standards in this performance class. The new perfecting device, reinforced side frames, cylinder bearings, and gripper system that form part of the Speedmaster XL technology combine with the "horizontal" sheet guidance and dynamic sheet brake in the Preset Plus Delivery to achieve consistently high production speeds of up to 14,000 sheets per hour. The fully automatic plate changer AutoPlate Pro, the PerfectJacket Blue and TransferJacket Blue jacket technology, and Prinect® Inpress Control provide a lasting boost to productivity. Operation of the feeder and other machine functions at the feeder control panel with touchscreen is intuitive and ergonomic.

Technical Data

Output:

- Max. 14,000 sph

Formats:

- Max. sheet size:
  720 × 1,020 mm (28.35 × 40.16 in)
- Min. sheet size
  (straight printing):
  340 × 480 mm (13.39 × 18.90 in)
- Min. sheet size
  (perfecting mode):
  400 × 480 mm (15.75 × 18.90 in)
- Max. print format:
  700 × 1,020 mm (27.56 × 40.16 in)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Speedmaster CD 102. Great Press, Great Price, Great Value

The Speedmaster® CD 102 is a true all-rounder. Its flexibility and reliability make it the success story of the 70 × 100 centimeters (27.56 × 39.37 inches) format and it can process a wide range of substrates. The Speedmaster CD 102 benefits from a comprehensive range of standard features that deliver quality, reliability, and cost-effectiveness. The Prinect® Press Center® Compact with Intellistart® integrates the Speedmaster CD 102 into the Prinect workflow.

The Preset Plus Feeder maximizes substrate flexibility. The inking unit and Alcolor® dampening system with Vario function deliver consistent color excellence, while AutoPlate enables fast plate changes. The AirTransfer System ensures contact-free sheet travel. And the coating unit with chambered blade system satisfies even the most exacting coating requirements.

Technical Data

Output:

- Max. 15,000 sph

Formats:

- Max. sheet size
  720 × 1,020 mm (28.35 × 40.16 in)
- Min. sheet size
  340 × 480 mm (13.39 × 18.90 in)
- Max. print format:
  710 × 1,020 mm (27.95 × 40.16 in)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Speedmaster CX 102. Flexibility for Success – the Ideal Combination of Innovation and Stability

Technical Data

Output:
- Max. 16,500 sph

Formats:
- Max. sheet size
  720 × 1,020 mm (28.35 × 40.16 in)
- Min. sheet size
  340 × 480 mm (13.39 × 18.90 in)
- Max. print format:
  710 × 1,020 mm (27.95 × 40.16 in)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

The Speedmaster® CX 102 combines the innovative solutions of the Speedmaster XL series with the successful platform of the Speedmaster CD 102. The large number of configuration options and the wide range of substrates that can be processed make the press extremely flexible. The result is an ultramodern machine that combines shorter makeready times with cost-efficient production. Equipped with an innovative gripper system, cylinder bearings that form part of the Speedmaster XL technology, and reinforced side frames, it achieves consistently high production speeds of up to 16,500 sheets per hour. AutoPlate Pro and Prinect® Inpress Control provide a lasting boost to productivity. Operation of the feeder and other machine functions at the feeder control panel with touchscreen is intuitive and ergonomic.

Speedmaster XL 106. Peak Performance Class – Technology and Productivity that Know no Compromise

The Speedmaster® XL 106 is a logical development of the successful Speedmaster XL 105 with its more than 1,200 installations worldwide. It combines optimum productivity with the maximum range of applications – for a vital edge over the competition. The 75 × 106 centimeters (29.53 × 41.73 inches) sheet format improves sheet utilization, especially in packaging printing. Consistently high production speeds of up to 18,000 sheets per hour, even in perfecting mode, boost productivity significantly. The Prinect® Press Center® and the unique control panel concept with glass touchscreen facilitate intuitive and ergonomic operation of the entire press. AutoPlate XL and optimized washup programs help ensure a fast makeready process.

Technical Data

Output:

- Speedmaster XL 106:
  Max. 18,000 sph
- Speedmaster XL 106 perfecting press:
  Max. 15,000 sph
  Optional 18,000 sph

Formats:

- Max. sheet size
  750 × 1,060 mm (29.53 × 41.73 in)
- Min. sheet size (straight printing):
  340 × 480 mm (13.39 × 18.90 in)
- Min. sheet size (straight printing with 18,000 sph option/perfecting mode in general):
  410 × 480 mm (16.14 × 18.90 in)
- Max. print format (straight printing):
  740 × 1,050 mm (29.13 × 41.34 in)
- Max. print format (perfecting mode)
  730 × 1,050 mm (28.74 × 41.34 in)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Speedmaster XL 145 and XL 162. Peak Performance Class – Technology and Productivity that Know no Compromise

The Speedmaster® XL 145 and Speedmaster XL 162 are the most productive large-format presses in packaging, publishing, and commercial printing thanks to their high level of automation and parallel workflows. They support the fastest makeready times in large-format offset printing. The blanket and impression cylinders are washed in parallel and a complete plate change takes less than two minutes. Almost all settings can be made at the Prinect® Press Center®. Additional touchscreens at the feeder and delivery can be used to select numerous press functions. The Speedmaster XL 145 and Speedmaster XL 162 can be configured with a perfecting device, various logistics systems, fully integrated UV equipment, and dual coating technology to meet customer requirements.

Technical Data

Output:

- Speedmaster XL 145/XL 162: Max. 15,000 sph
- Speedmaster XL 145-P/XL 162-P: Max. 13,000 sph

Speedmaster XL 145 formats:

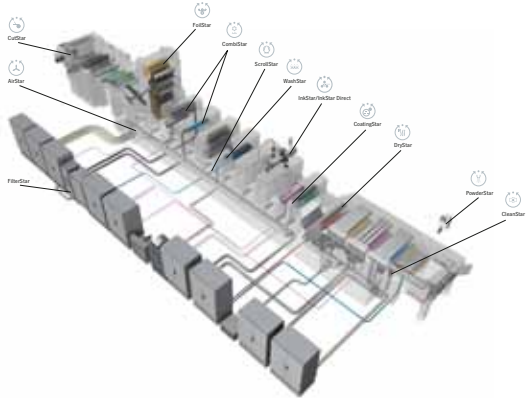
- Max. sheet size: 1,060 × 1,450 mm (41.73 × 57.09 in)
- Min. sheet size (straight printing): 630 × 860 mm (24.80 × 33.86 in)
- Max. print format (straight printing): 1,040 × 1,450 mm (40.94 × 57.09 in)

Speedmaster XL 162 formats:

- Max. sheet size 1,210 × 1,620 mm (47.64 × 63.78 in)
- Min. sheet size (straight printing): 630 × 860 mm (24.80 × 33.86 in)
- Max. print format (straight printing): 1,190 × 1,620 mm (46.85 × 63.78 in)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Star System. Working in Perfect Harmony – Make the Most of Your Speedmaster by Using the Star System from Heidelberg



Short makeready times, maximum productivity, and high print quality are all essential to making a print shop successful.
To achieve this success, all the components that go to make up a press must be perfectly coordinated. That is why Heidelberg® offers both presses and peripherals from a single source. The Star System comprises a complete range of peripherals – from a dampening solution supply system to powder spray devices and dryers. All units are developed directly by Heidelberg or in close cooperation with well-known suppliers. Installation and servicing are carried out by Heidelberg experts. All this helps you make the most of your Speedmaster®.

The Star System

- CutStar
- StaticStar
- AirStar and ScrollStar
- HydroStar and CombiStar
- FilterStar
- InkStar and InkStar Direct
- FoilStar
- WashStar
- CoatingStar
- DryStar
- DryStar UV
- PowderStar
- CleanStar
- Logistics

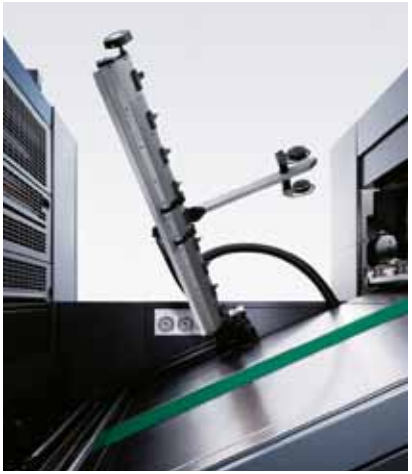
CutStar. The Advantages of Web Offset in Sheetfed Offset

The cost benefits of web offset and the flexibility of sheetfed offset – the CutStar® sheeter offers you the best of both worlds. CutStar is installed right in front of the feeder. It allows you to process grammages of between 40 and 300 gsm. The printing stock is unwound from the reel, cut to the required format in CutStar, shingled, and fed into the feeder. The feed process is extremely reliable and stable. By using less expensive reel stock, CutStar achieves cost savings of up to 15 percent. With special printing materials such as foils or aluminized paper, the saving is often even greater.

Product Profile

- Processing of reel stock
- Major cost savings when purchasing printing stock
- Wide range of printing stock (including low grammages, foils, and aluminized papers)
- Cutoff length can be varied as required
- Highly automated
- Reels are quick and easy to change over
- Easy switching between reel and sheet stock
- Stable sheet travel
- High-precision cutting
- Straightforward operation thanks to CAN connection
- Easy access to infeed rollers and knives

StaticStar. For Reliable Sheet Travel with Difficult Printing Stock



Clean sheet separation, optimum sheet travel, and exceptionally high production speeds are only possible if your printing stock is free of electrostatic charges. This is particularly important for low grammages, coated materials and, above all, plastic films. StaticStar® from Heidelberg® is the ideal solution. It cuts the electrostatic charges of sheets and stabilizes the production run. StaticStar Compact is designed for everyday substrates such as paper and cardboard.

StaticStar Advanced, on the other hand, is geared specifically to particularly difficult printing stock such as labels, low grammages, and coated materials. An extensive range of special features for printing on foils rounds off the StaticStar package.

Product Profile

- Faster production, even with difficult substrates
- Fewer double sheets and jams, neat delivery piles, and less need for powder
- Miniaturized components mounted close to sheets for optimum effect
- Additional blast air devices for stable sheet travel on the feed table
- Short setup times
- Straightforward, central operation at the Prinect Press Center

AirStar and ScrollStar. The Optimum Air Supply System

AirStar® and ScrollStar® are perfectly coordinated with Speedmaster® presses. AirStar combines virtually all individual blowers providing vacuum and blast air in a single, central air supply cabinet, while ScrollStar ensures that the supply of compressed air to the press is completely free of oil and condensation.

Heidelberg® has developed air supply cabinets specifically for each type of press to ensure smooth, contact-free sheet travel. Thanks to the CAN connection, the units are operated and air settings preset centrally and simply at the Prinect® Press Center®.

Product Profile

AirStar

- Perfectly coordinated with sheet travel in Speedmaster presses
- Up to 50 percent lower energy consumption than conventional systems for environmental protection
- The unit is controlled and air presettings are entered at the Prinect Press Center
- Oil-, maintenance-, and wear-free blowers
- Reduced noise levels
- Minimal amount of space required
- Central water cooling for efficient heat removal

ScrollStar

- Compressed air is supplied free of oil and condensation
- Large performance reserves ensure excellent reliability and failsafe production

HydroStar, CombiStar and CombiStar Pro. Dampening Solution Conditioning and Inking Unit Temperature Control

Conditions remain constant in these units for high end-to-end quality. Stable concentrations of alcohol and dampening solution additives, clean dampening solution, and constant temperatures in the printing unit are vital requirements for ensuring optimum print results at all times. HydroStar® for dampening solution conditioning, and CombiStar®/ CombiStar Pro for integrated dampening solution conditioning and inking unit temperature control ensure optimum conditions throughout the run.

Product Profile

HydroStar and CombiStar

- Highly accurate measurement and metering of alcohol
- Automatic metering of additives
- Integrated conductivity measurement
- Dampening solution lasts far longer

CombiStar

- High energy efficiency thanks to adjustable refrigeration units
- Efficient inking unit temperature control cuts paper waste, allows high production speeds, and ensures consistently high print quality

CombiStar Pro

- High energy efficiency thanks to free cooling and pump for temperature control circulation
- High-quality dampening solution metering with Digidos
- Improved fine filtration of dampening solution thanks to integrated FilterStar

FilterStar. The Innovative Filtration System for Greater Cost-Efficiency

FilterStar® is a two-stage fine filtration system for dampening solution and is housed in a cabinet. Thanks to this system, dampening solution lasts three to six times longer before having to be replaced. FilterStar pumps the soiled dampening solution from the main tank of the CombiStar® or HydroStar® into the pre-filters, where coarse impurities are removed. The main filter next separates extremely fine dirt particles as small as 1 µm. The cleaned dampening solution is then pumped back to the CombiStar or HydroStar. This process makes the dampening solution last far longer, which reduces the frequency of costly dampening solution changes and ultimately makes the press more cost-efficient.

The Prinect® Press Center® displays the level of pre-filter and main filter soiling for the FilterStar. Because the filtration system operates in the bypass, it is also possible to cut makeready times significantly by replacing filters on the fly.

The FilterStar Compact entry-level system is a dampening solution filtration system housed in a compact console. Filtration takes place in a single stage in a granulate cartridge. The soiled solution is pressed through a 30 centimeters (11.81 inches) layer of quartz granulate. The cleaned dampening solution is then returned to the main tank. The FilterStar Compact filters the dampening solution in the bypass. This means the filter cartridge can be replaced at any time on the fly.

Product Profile

FilterStar / FilterStar Compact

- Increases the dampening solution's service life from 2–3 to 6–12 months
- Stabilizes the ink/water balance
- Reduces the frequency of costly dampening solution changes
- Ensures consistently high print quality irrespective of the dampening solution's age or condition
- Improves the printing process, for example when switching frequently between UV and conventional inks
- Reduces dirt build-up in the pipes
- Reduces soiling of the water pan, intermediate tank, and main tank

InkStar and InkStar Direct. Automated Ink Supply

InkStar® combines all the benefits of fully automatic ink feed with excellent flexibility when it comes to ink changes. The secret is the internationally standardized two-kilogram cartridge. Practically all offset inks are available in these cartridges, which can be inserted in InkStar in just a few simple steps. InkStar is also available in a semi-automatic version – InkStar Compact.

With InkStar Direct, you can use a valve insert linked to a central ink supply instead of the cartridge. This enables you to use economy-size containers.

The CAN connection integrates InkStar operation into the Prinect® Press Center® and the convenient ink consumption display provides a good overview at all times.

Product Profile

InkStar

- Short makeready times
- Ink cartridges are emptied almost entirely for reduced ink consumption
- No ink wasted when storing partially emptied cartridges for later use
- Constant ink levels in the fountains prevent color fluctuations during the production run
- Integrated ink agitator for UV printing
- Can be upgraded to InkStar Direct at any time

InkStar Direct

- Lower ink costs
- Further reduction in makeready times
- Maximum flexibility when assigning colors, using either a central ink supply or cartridges

FoilStar. Cold Foil Application for Stunning Finishes

FoilStar®, the cold foil module from Heidelberg®, achieves stunning metallic effects to open up a whole host of exceptional finishing options for labels, packaging, and high-end commercial work. It is perfect for meeting the growing demand for high-quality finishing and adds significant value to print products.

FoilStar applies stunning finishes to many kinds of substrates. Cold foil is applied using two offset printing units. In the first unit, glue is applied either as a spot application or over the entire sheet. The foil is fed along with the sheet into the nip between the blanket and impression cylinders and applied by pressure to the areas of the printing stock coated with glue. The index function of the FoilStar ensures that foil is only applied where it is needed. Depending on the application, this can reduce foil consumption by up to 50 percent.

Product Profile

- Reproduction of fine elements and solids in a single pass
- Fast job changes
- Printing units can be used for both cold foil and standard offset applications
- The flexible use of up to six foil webs optimizes foil consumption for each print job
- Fast makeready thanks to inline finishing using conventional offset printing plates
- Fast production with no reduction of press speed
- Motifs can be changed in a matter of minutes
- Excellent register accuracy
- Index function ensures foil is applied only where it is needed

WashStar. For Washup Device Self-Cleaning

WashStar® automates cleaning of the collecting troughs under the blanket and impression cylinder washup devices of the Speedmaster® SM 102, Speedmaster SX 102, Speedmaster CD 102, and Speedmaster CX 102. Its fully automatic washup program saves valuable time in more ways than one. You can continue printing while WashStar is working, which quickly pays dividends – especially with short runs requiring frequent washing. WashStar collects the cleaning agent used to clean the blanket in a tank and the larger particles of dirt are removed by sedimentation before it is reused to rinse the collecting troughs.

What's more, the fact that WashStar collects the cleaning agent centrally allows it to be recycled in a separate system – EcoClean. Up to 90 percent of the cleaning agent can thus be recycled for use in the blanket washup device.

Product Profile

WashStar

- Automatic cleaning of collecting troughs without using any additional cleaning agent
- A collection tank eliminates the need for time-consuming emptying of smaller containers
- Sensors prevent the collecting troughs and tank from overflowing
- Significant contribution to environmental protection

EcoClean

- Up to 90 percent less cleaning agent needs to be purchased and disposed of
- Automatic filling of intermediate tanks at the press with recycled cleaning solution

CoatingStar. A Perfect Combination of Optimum Coating Quality and Fast Coating Changes

Print products increasingly need to be finished with high-gloss or special-effect coatings. The CoatingStar® universal coating supply unit is based on annular-piston pump technology that requires little or no maintenance. The high pumping volume of up to 1,000 liters (264.172 gallons) per hour speeds up both coating changes and cleaning of the coating system. In addition, pumps can be run both forwards and backwards so that coating residue left in hoses and the coating unit can be pumped back into the supply container. This saves time and lowers material costs.

Product Profile

- Seal-free annular-piston pumps require little or no maintenance
- Pulsation-free pump operation for optimum coating quality
- Reduced makeready times when changing coatings thanks to high pumping volumes, reversible pumps, and a warm-water rinsing program
- Customizable washup programs
- Operated using controls on the unit or from the Prinect Press Center (via the CAN connection)

DryStar. Efficient Dryers for Presses

Heidelberg® is the only press manufacturer that develops its own dryer systems – individually tailored to each press. With DryStar® Ink, DryStar Coating, DryStar Combination, and DryStar LY(Y)L, you get the perfect dryer for every application. Infrared, infrared/hot-air, and circulating-air modules deliver optimum results depending on the particular model. The dryers are ideally harmonized with the sheet guidance to maximize drying efficiency and quality, even at top press speeds and with heavy inking and/or demanding coatings. No other system achieves such outstanding efficiency. Thanks to this efficient drying, sheets are available for finishing very quickly. Over 10,000 installations worldwide speak for themselves. DryStar dryers from Heidelberg have clearly proven themselves in practice.

Product Profile

- Dryers are perfectly coordinated with each press model
- Minimal distance between dryer and sheet for optimum results
- Use of round-nozzle technology and special infrared lamps boosts drying performance
- Automatic presetting of dryers for repeat jobs (DryStar Advanced)
- Standardized dryer modules can be fitted and removed quickly without the need for tools (Plug & Print)
- Easy to operate from the Prinect Press Center or centrally from the delivery control panel thanks to the CAN connection

Heat Recovery. Lower Energy Consumption During the Drying Process

To dry dispersion coatings fast and effectively, a great deal of energy is needed to heat the air. An extraction system subsequently releases the hot air applied to the print sheet into the atmosphere as waste heat.

The heat recovery system for DryStar® Combination dryers from Heidelberg® recycles the heat from this exhaust air, feeding it into the fresh air supply and reusing it for the drying process. A cross-flow heat exchanger ensures none of the moisture contained in the exhaust air is transferred.

This heat recovery system reduces energy costs and makes a significant contribution to improving a print shop's environmental performance.

Product Profile

- Available for DryStar Combination dryers for the Speedmaster XL 106 and Speedmaster XL 75
- Lower energy costs to heat the air for the drying process
- Improves print shops' environmental performance

DryStar UV. Modular Technology for Creative Applications

With the DryStar® UV, the benefits of the DryStar system can also be used in UV printing. Its perfect integration into the press, the very small distance between UV dryer and sheet, and the use of an innovative reflector coating have made it possible to increase the dryer output significantly. As a result, top production speeds are possible in UV printing, too.

Efficient temperature management ensures that, despite the high output, heat transfer to the printing stock is minimized. This is ideal for sensitive materials and ensures complete register accuracy, even when printing on thin plastic films. A special reflector is used that focuses the UV rays onto the sheet. The heat-inducing IR radiation, on the other hand, is absorbed by the water-cooled dryer enclosure behind it – for top results in UV printing.

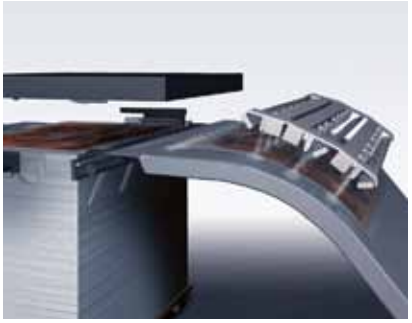
Developed specifically for the commercial market, the DryStar LE (Low Energy) UV is a cost-effective way of getting started in UV commercial printing.

It uses the proven technology and benefits of the DryStar UV. The lamp output of the DryStar LE UV can be adjusted to suit the specific job requirements. This makes the DryStar LE UV a flexible solution for commercial print shops looking to harness the benefits of UV printing.

Product Profile

- Efficient temperature management allows printing on temperature-sensitive substrates
- Separate water-cooled shutters and uniform lamp cooling for a longer service life and optimum drying results
- No waits for dryers to warm up again after washing the blankets, thanks to Instant Start
- Plug & Print for positioning dryers where they are needed with a minimum of effort
- Easy to control from the Prinect Press Center or the delivery control panel (via the CAN connection)
- Automatic presetting of dryers for repeat jobs (DryStar Advanced)

PowderStar. As Little Powder as Possible, as Much Powder as Necessary



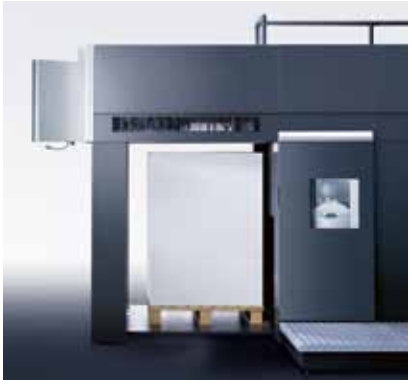
Efficient powdering reduces soiling. The models of the PowderStar® series are optimally integrated into the relevant Speedmaster® press and designed to ensure a perfect pile in the delivery while also minimizing the amount of powder used. As a result, powder consumption is reduced by 30 to 50 percent.

The CAN connection enables virtually all powder spray devices in the PowderStar series to be controlled from the Prinect® Press Center®. This paves the way for automatic presettings when setting up each print job, for example adjusting to the pre-selected format width and length. Manual adjustment on the powder spray device is thus no longer necessary. Fully automatic presetting of the powder spray device is possible for repeat jobs.

Product Profile

- Optimally integrated into the press for smooth sheet travel and perfect, neat stacking
- Up to 50 percent lower powder consumption
- Less soiling of the press and the surrounding area means less cleaning and improved productivity
- Easy operation from the Prinect Press Center
- Fully automatic presetting for repeat jobs (using the CAN connection)
- The best powdering system for straight and perfecting printing

CleanStar. For 80 Percent Lower Powder Emissions



The CleanStar® powder extraction system from Heidelberg® was developed specifically for Speedmaster® presses. Its operation and performance have been geared precisely to the press's specific requirements. CleanStar minimizes powder emissions from the delivery. This results in 80 percent less dust around the press. CleanStar also reduces possible odor emissions resulting from the use of dispersion coatings.

CleanStar is precisely tailored to the air flow conditions in Speedmaster presses. Sheet travel, pile formation, and powdering are not impaired.

CleanStar Compact has the same components as CleanStar but has no exhaust air cleaning cabinet.

Product Profile

- The amount of dust in the pressroom is cut by over 80 percent
- Ammonia emissions are reduced to a level well below the statutory limits
- Less cleaning is required on the press and in the pressroom
- Aerosols and dust particles are caught and removed in an exhaust air cleaning cabinet
- The self-cleaning system prevents the buildup of powder and reduces the risk of powder falling into the delivery
- Optimally coordinated with sheet travel and stacking
- Easy access to the sheet guide plate and powder tube

Heidelberg Logistics. Optimum Material Handling in the Pressroom

Heidelberg® Logistics covers all components needed to automate material handling and thus streamlines the production workflow between warehouse, press, and postpress. Print shops can configure the system according to their specific needs – for example, with a turntable for transporting loaded pallets in the direction of production to the feeder as well as additional buffers. Instead of worrying about pile changes and the supply of stock to the press, the printer can now focus on product quality. For customers who need higher levels of automation, Heidelberg recommends the fully automatic pile-changing device for the feeder and delivery as well as additional conveyors with integrated empty-pallet transfer. The prerequisite for Heidelberg Logistics is that the machine must be elevated by a minimum of 525 millimeters (20.67 inches). Depending on the thickness of the printing stock, a Speedmaster® XL 106 elevated by 875 millimeters (34.45 inches) requires up to 25 percent fewer pallets than one elevated by 525 millimeters (20.67 inches). That is a major advantage, as it significantly reduces the number of pile changes.

The logistics system for the Speedmaster XL 145 and Speedmaster XL 162 offers a great deal of flexibility, with components including a pallet stacker, different types of conveyors, and a turntable. The customized solutions are put together in cooperation with market-leading suppliers.

Product Profile

- Non-stop system for feeder and delivery with fully automatic pile changer
- Automatic transport of empty pallets to the delivery
- Great flexibility when selecting pallet types thanks to the universal Logistics Plus conveyor system
- Prinect Press Center integration
- Planning, installation, and service by Heidelberg
- Remote Service
- Stable production process
- Higher average production speed
- Operators are not tied to the press during the pallet-changing process
- Perfect stacking with precisely aligned edges
- Clean press environment with no waste caused by wooden pallets and shrink wrapping

Prinect Postpress Manager. Integration of Finishing into the Prinect Print Shop Workflow

Prinect® Postpress Manager enables finishing equipment to be integrated into the print shop workflow. Finishing processes are transparently depicted and optimally organized for all those involved. The integration of equipment and workplaces ranges from direct integration of control consoles to manual shop floor data collection by the so-called Data Terminals. Any upcoming finishing jobs can be clearly displayed and managed in Prinect Postpress Manager – the best prerequisite for substantially lowering costs.

With a work step list, various operations can be grouped and selected on the basis of all kinds of different criteria. The necessary device setups can be reduced.

Prinect Postpress Manager uses the reported production data as a basis for job and machine reporting and makes them available to the MIS system for consistent job costing.

Product Profile

- Integration of finishing machines
- Data capture and central management for precise post-production job costing
- Maximum availability of current job information and production data
- Display of job status in real time
- Minimization of setup times

Folding. High-Performance Folding Solutions that Optimize the Entire Process Long-Term

The finishing process for print products involves closely linked routines. To meet this need, Heidelberg® offers a comprehensive line of buckle plate and combination folding machines and mailing systems as part of the Stahlfolder® series. Their modular design and a range of additional equipment ensure maximum flexibility and productivity.

In addition, it is easy to incorporate attachments for gluing, gatefolds, perforation, and trimming. Attaching these units will add tremendous value to your folding machine.

Stahlfolder Ti 36. The Specialist for Very Small-Format Folds

Technical Data

- Working width: 36 cm (14.17 in)
- CCT (Compact Control Technology) machine control system
- Max. cycling rate: 45,000 cycles/h

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

The Stahlfolder® Ti 36 is the specialist machine for very small folds. It satisfies the most demanding requirements for very short folding lengths and makes it possible to move into lucrative markets such as pharmaceutical packaging inserts. The available options allow a single operator to execute a wide variety of different folds.

The first buckle plate folding unit and the second folding unit are equipped with four or six buckle plates respectively. The KBi 36 cross-fold unit can be inserted to add a final cross-fold after either the first buckle plate folding unit or the second folding unit. Special small-format deliveries make it much easier to handle folded products and ensure high productivity.

Stahlfolder TA 52. The Entry-Level Folding Solution

Thanks to its high degree of automation and uncomplicated operation, the Stahlfolder® TA 52 provides print shops with a very straightforward solution for handling simple folding work in-house. Self-explanatory controls and a learning mode guide the operator through the setup process in no time at all.

The buckle fold technology of the Stahlfolder TA 52 also ensures outstanding flexibility for a wide spectrum of fold types. Extra Grip folding rollers further enhance the fold quality.

Technical Data

- Working width: 52 cm (20.47 in)
- Max. cycling rate: 40,000 cycles/h

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Stahlfolder Ti 52. The Professional Solution for the Medium-Size Format

Technical Data

- Working width: 52 cm (20.47 in)
- CCT (Compact Control Technology) machine control system
- Max. cycling rate: 45,000 cycles/h

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Featuring an infeed width of 52 centimeters (20.47 inches), the Stahlfolder® Ti 52 processes all standard medium-size print formats. It boasts straightforward operation, versatility in everyday use, and high productivity on a continuous basis. The modern design of the Stahlfolder Ti 52 enables optimum folding quality at low operating costs. The units can be configured in a variety of ways for a wide range of folds. The CCT digital machine control system combines straightforward operation with high reliability in production. The ACC 2.4 digital control unit makes it possible to integrate fold-gluing with the gluer or gatefolding with the FFP pneumatic gatefold buckle plate as additional process steps.

Stahlfolder TH/KH. Greater Cost-Efficiency and Flexibility Thanks to Modular System

The Stahlfolder® TH/KH series combine maximum productivity and flexibility with a professional approach to folding and the best possible fold quality. They reliably deliver the high quality customers now expect. Intelligent automation and optimized operation improve machine utilization by shortening makeready times. The modular design of the entire Stahlfolder TH/KH platform adapts flexibly to specific requirements, while the ergonomic control concept provides operators with efficient support. The Stahlfolder TH/KH can be integrated directly into the Prinect® print shop workflow.

Technical Data

- Combination folding machine models:
  Stahlfolder KH 56 Compact/
  KH 66 Compact/KH 66/
  KH 78 Compact/KH 82
- Buckle plate folding machine models:
  Stahlfolder TH 56/TH 66/TH 82
- Working widths of Stahlfolder KH:
  56 cm (22.05 in), 66 cm (25.98 in),
  78 cm (30.71 in), 82 cm (32.28 in)
- Working widths of Stahlfolder TH:
  56 cm (22.05 in), 66 cm (25.98 in),
  82 cm (32.28 in)
- MCT modular control system
- Max. cycling rate: 50,000 cycles/h

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Stahlfolder TD 94 and TD 112. Specialists for Processing Large and Special Formats

Technical Data

- Buckle plate folding machine models: Stahlfolder TD 94, Stahlfolder TD 112
- Working widths of Stahlfolder TD: 94 cm (37.01 in) and 112 cm (44.09 in)
- DCT 2000 digital control system
- Max. cycling rate of Stahlfolder TD 94: 50,000 cycles/h
- Max. cycling rate of Stahlfolder TD 112: 45,000 cycles/h

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

The folding machines in the Stahlfolder® TD range are ideal for processing large and special formats. When used in conjunction with the optional twin-lay attachment for simultaneous processing of two repeats – possibly with different contents – these folding machines boast outstanding productivity. The mobile folding units can be arranged either at right angles or in a line. These folding machines can be used with both pallet and round continuous feeders, thereby maximizing the range of products and run lengths supported. Straightforward control of the production speed for the entire configuration at the feeder and at all folding units boosts productivity, while the user-friendly electronic setup mode at the folding units reduces the amount of paper waste generated.

Stahlfolder Flexomailer. Highly Efficient Inline Production of Direct-Mail Items

Technical Data

- Working widths: 56 cm (22.05 in), 66 cm (25.98 in), 82 cm (32.28 in), 94 cm (37.01 in), 112 cm (44.09 in)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

The volume of elaborately designed and unusual direct-mail products is steadily increasing. The Stahlfolder® Flexomailer is a smart combination of a Stahlfolder TH or Stahlfolder TD and flexible add-on units. This efficient postpress solution enables low-cost, tailored production of direct-mail items. It opens up potential for extra added value and makes it possible to work profitably and cost-effectively, even with shorter and medium-length runs. The wide range of available inline processes includes trimming, perforating, scoring, timed perforation, timed trimming, hotmelt and cold gluing, postcard doubling, personalization, attaching cards and samples, inline die cutting, and tape application. The Stahlfolder Flexomailer can also be used as a buckle plate folding machine for standard folding work.

Flat-Pile Feeders. Frequent Job Changes when Printing Short to Medium Runs

Flat-pile feeders are designed to accommodate frequent folding job changes and short to medium runs. Lateral blowers and the Tremat sheet separator ensure perfect sheet separation and aeration of the feed pile. A polyurethane-coated suction wheel then feeds the sheets one by one onto the register table. Formats are quick and easy to change from job to job. Other benefits include a small footprint and low investment costs.

To achieve continuous folding of small-format items, the NSF 36 non-stop feeder can be used on the Stahlfolder® folding machines in the Ti series as an extension to the flat-pile feeder.

Technical Data

- Folding machines with a flat-pile feeder:
  Stahlfolder Ti 36/Ti 52,
  Stahlfolder TA 52,
  Stahlfolder KH 56 Compact/
  KH 66 Compact/
  KH 66/KH 78 Compact/KH 82,
  Stahlfolder TH 56/TH 66/TH 82

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Round Continuous Feeders. High Performance in Non-Stop Production

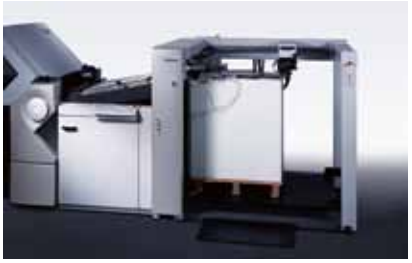
The round continuous feeder is particularly convenient for medium and long runs. It also makes easy work of products that have already been folded, perforated, or die-cut. The lowest working height in its class supports ergonomic loading. Sheets are placed on the upper loading table in a shingled stream and travel across a reversing drum to the lower loading table. They are then aerated by blowers and separated by means of a suction wheel. A low pile height of 8 centimeters (3.15 inches) enables even curled sheets to be processed without any problems. Combined with the appropriate delivery, such as the mark-free TSH Twinstacker with SPA Twin lateral pack output, the round continuous feeder supports one-person operation.

Technical Data

- Folding machines with a round continuous feeder:
  Stahlfolder Ti 52,
  Stahlfolder KH 56 Compact/
  KH 66 Compact/KH 66/
  KH 78 Compact/KH 82,
  Stahlfolder TH 56/TH 66/TH 82,
  Stahlfolder TD 94/TD 112

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Pallet Feeders. Highest Production Rate – Directly from the Printing Press to the Folding Machine



Pallet feeders are mainly used for medium and long runs as well as for large formats. Sheets to be folded are carried straight into the feeder on a pallet using a forklift. Light spots generated by a laser pointer ensure the precise positioning of the pallet. The maximum pile height of 120 centimeters (47.24 inches) allows direct transfer of the pile from the press for an optimal workflow. The bottom line is that the pallet feeder ensures a high output, with only brief interruptions to load an entire pallet at a time. This enables the operator to concentrate on the folded products at the delivery, which means the full capacity of the folding machine can be utilized with a single person operating it.

Technical Data

- Folding machines with a pallet feeder:
  Stahlfolder KH 66 Compact/KH 66/ KH 78 Compact/KH 82,
  Stahlfolder TH 66/TH 82,
  Stahlfolder TD 94/TD 112

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

VFZ 52 Four-Directional Folding Unit. For Even Greater Versatility

The mobile, height-adjustable VFZ 52 four-directional folding unit is the ideal standalone knife folding unit to supplement buckle plate folding machines, combination folding machines, and saddlestitchers. When used as the third unit of a buckle plate folding machine, an operator-friendly U-shaped configuration minimizes walking distances.

This relatively low-priced unit significantly increases versatility for creating different folds. To execute an international quadruple fold, the four-directional folding unit can be rotated 180 degrees about the transverse axis.

Technical Data

- Working width: 52 cm (20.47 in)
- MCT modular control system
- Min. format, width × length: 12 × 10 cm (4.72 × 3.94 in)
- Max. format, width × length: 52 × 36 cm (20.47 × 14.17 in)
- Max. cycling rate: 30,000 cycles/h
- Infeed height: 51.5–91.5 cm (20.28–36.02 in)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

VF 66 Four-Directional Folding Unit. Mobile and Versatile

It is common for bookbinders to require an extra folding unit for a quick and easy additional cross-fold. The VF 66 four-directional folding unit is particularly well-suited to this task. It is mobile, which makes it flexible for use with other finishing equipment. The unit's greatest strength is its working width of up to 66 centimeters (25.98 inches), which enables it to be used as the last folding unit for map production or placed after a thread-sealing machine or saddlestitcher.

If the four-directional folding unit is used as the third unit in a buckle plate folding machine, this results in an operator-friendly U-shaped configuration that minimizes walking distances. Optional slitter shafts enable subsequent trimming of the top and bottom of sheets glued and folded in the VF 66 four-directional folding unit to create the finished product.

Technical Data

- Working width: 66 cm (25.98 in)
- MCT modular control system
- Min. format, width × length:
  15 × 10 cm (5.91 × 3.94 in)
- Max. format, width × length:
  66 × 56 cm (25.98 × 22.04 in)
- Max. cycling rate:
  30,000 cycles/h
- Infeed height:
  50–95 cm (19.68–37.40 in)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

PS Pressing Station. Top-Quality Finishing

The PS pressing station is an add-on unit for folding machines. It reduces the thickness of folded sheets after the last folding operation and presses the folds to make them sharper. This makes it significantly easier to stack signatures and also delivers the quality needed for saddlestitching or adhesive binding.

The pressing station has a counting function and a marking device and is a mobile unit with its own drive. Both the infeed height and the transport speed are infinitely adjustable.

Technical Data

- Models: PS 46/PS 66/PS 86
- Working widths: 46 cm (18.11 in), 66 cm (25.98 in), 86 cm (33.86 in)
- Control systems:
  DCT 2000 digital control system for PS 86,
  MCT modular control system for PS 46/PS 66/PS 86
- Min. format, width × length:
  8 × 10 cm (3.15 × 3.94 in)
- Infeed height:
  40–95 cm (15.75–37.40 in)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

STA Small-Format Deliveries. Optimum Handling of Small-Format Products

The mobile STA 40 delivery system was specially designed for easy handling and optimum delivery of small-format products with a final length of up to 2 centimeters (0.79 inches). A brake in the pile magazine prevents the signatures from “popping up”, while a marking device staggers the pile laterally into clear, counted batches. The travel mechanism has gear racks for smooth adjustment to any height required.

The control console can be located on the left or right and a fixed positioning guide facilitates alignment with the folding unit.

Technical Data

- Working widths: 30 cm (11.81 in), 41 cm (16.14 in)
- CCT (Compact Control Technology) machine control system
- Infeed height: 55–95 cm (21.65–37.40 in)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

SAK Stream Delivery. Maximum Versatility

The SAK stream delivery is a standalone unit equipped with its own drive for delivering single- and multiple-ups in a shingled stream. It is the ideal solution for short runs. The SAK stream delivery is highly versatile and supports all products, formats, and product thicknesses. The infeed height and transport speed can be infinitely adjusted to optimally adapt the shingled stream to the relevant product type.

Technical Data

- Models:
  SAK 56/SAK 66/SAK 94/SAL 94
- Working widths: 56 cm (22.05 in), 66 cm (25.98 in), 94 cm (37.01 in)
- Control systems:
  DCT 500 digital control system for SAK 56, MCT modular control system for SAK 56/SAK 66/SAK 94/SAL 94
- Infeed height of SAK 56/66/94: 36–90 cm (14.17–35.43 in), SAL 94: 43–103 cm (16.93–40.55 in)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

SPH Stream Delivery. Total Cost-Efficiency

The SPH stream delivery has an integrated pressing device. The individually adjustable upper and lower conveyors gently remove the signatures from the folding machine.

They are first counted and then staggered laterally to create visibly separate batches.

A pair of pressing rollers then ensures they are securely pressed down. Arresting wheels on the stream table create a shingled stream. The feed table's large tilting range ensures an ergonomic removal height, even when products emerge from the folding machine at a low level. The operator can also adjust the feed table to the exact height of upstream equipment.

Technical Data

- Models: SPH 70/SPH 100
- Working widths:
  70 cm (27.56 in), 100 cm (39.37 in)
- MCT modular control system
- Max. product thickness:
  0.6 cm (0.24 in)
- Pressure: 12,000 N
- Infeed height:
  40–100 cm (15.75–39.37 in)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

VSA Vertical Stack Delivery. Mobile, Compact, and Especially Useful for Multiple-Ups

The mobile VSA vertical stack delivery impresses with its compact size and user-friendly ergonomic design, including a height-adjustable work table. This versatile delivery processes folded or bound products.

These products are counted at the feed table, split into laterally staggered batches, and stacked from the bottom up. Single- to four-ups are handled.

If multiple-ups are to be processed, these can be moved apart to increase the distance between them so that they are easy to remove manually. Downstream pressing rollers allow air to escape without causing creases and ensure the sheets are securely pressed down. The VSA vertical stack delivery is infinitely adjustable at the central control console for great flexibility in adapting to specific product applications.

Technical Data

- Models: VSA 66/VSA 86
- Working widths: 66 cm (25.98 in), 86 cm (33.86 in)
- Control systems: DCT 500 digital control system for VSA 66, MCT modular control system for VSA 66/VSA 86
- Max. product thickness: 0.4 cm (0.16 in)
- Max. pile height: 30 cm (11.81 in)
- Pressure: 10,000 N
- Infeed height: 40–95 cm (15.75–37.40 in)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

TSH Twinstacker. Highly Efficient Stack Delivery

The TSH Twinstacker vertical stack delivery is a cost-effective solution for the entire medium output range. It ensures mark-free transport of the individually pressed sheets or signatures along a series of conveyors. Stacks are then formed from above in baskets and output alternately on two levels, one above the other, for effective non-stop operation.

Ease of use with good accessibility, which means operators do not need to reach around or over anything, also facilitates processing of multiple-ups. A height-adjustable feed table makes it easy for the TSH Twinstacker to accommodate the various upstream units. Functions offered by the unit as standard include automatic ejection of defective signatures, removal of sheets for inspection, and a marking device for batches that are staggered laterally and counted. The TSH Twinstacker performs impressively in every respect in either shingle stream or single sheet mode.

Technical Data

- Models: TSH 50/TSH 70/TSH 100
- Working widths: 50 cm (19.69 in), 70 cm (27.56 in), 100 cm (39.37 in)
- MCT modular control system
- Max. product thickness: 0.6 cm (0.24 in)
- Max. pile height: 2 × 12 cm (4.72 in)
- Pressure: 12,000 N
- Infeed height: 40–95 cm (15.75–37.40 in)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

TSH Twinstacker with SPA Twin Lateral Pack Output.

Highly Efficient Stack Delivery with the Greatest Capacity

The TSH Twinstacker can be augmented by the non-marking SPA Twin lateral pack output module. This eliminates the need for time-consuming manual pile rotation prior to removal because the products are ready and waiting in the perfect position. This high-performance combination enables cost-effective one-person operation, even when using a folding machine with a round continuous feeder for uninterrupted sheet loading. What's more, the automatic jogger ensures top-quality stacking throughout.

Technical Data

- Models: TSH SPA Twin 50/ TSH SPA Twin 70/TSH SPA Twin 100
- Working widths: 50 cm (19.69 in), 70 cm (27.56 in), 100 cm (39.37 in)
- MCT modular control system
- Max. product thickness: 0.6 cm (0.24 in)
- Max. pile height per level: 10 cm (3.94 in)
- Length of buffer section on each level: 155 cm (61.02 in)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

SBP Horizontal Stack Delivery. Large Capacity and Exceptional Cost-Efficiency

The key benefit of the SBP horizontal stack delivery is that its large capacity – made possible by arranging piles horizontally on the long pile board – makes it ideal for medium and long runs. It also enables cost-effective one-person operation of both the folding machine and delivery in tandem.

Signatures are pressed twice, counted, and delivered in staggered batches with the spine down. Depending on their widths, up to four-ups can be output simultaneously.

Product batches can be conveniently removed at the same height at all times.

Technical Data

- Models: SBP 46/SBP 66/SBP 86/ SBP 112
- Working widths: 46 cm (18.11 in), 66 cm (25.98 in), 86 cm (33.86 in), 112 cm (44.09 in)
- Control systems: DCT 500 digital control system for SBP 46/SBP 66, DCT 2000 digital control system for SBP 112, MCT modular control system for SBP 46/SBP 66/SBP 86
- Max. product thickness: 0.4 cm (0.16 in)
- Max. pile length: 80 cm (31.50 in)
- Pressure: 8,000 N
- Infeed height: 36–96 cm (14.17–37.80 in

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

HSB 34 Semi-Automatic Stacker/Bundler. Strapped Product Piles for Book and Brochure Production

The HSB 34 semi-automatic stacker/bundler is the ideal addition to popular delivery systems. It efficiently bundles signatures into pressed and strapped stacks about 30 to 40 centimeters (11.81 to 15.75 inches) long in a single operation. This ensures optimum preparation for interim storage, transport, or further processing.

The main advantage of the semi-automatic stacker/bundler is that it significantly reduces the volume of stacks prior to strapping by pressing them down with great force. As a result, folded products take up less space during interim storage. The semi-automatic stacker/bundler can be used with vertical and horizontal stack deliveries and with stream deliveries.

Technical Data

- Working width: 34 cm (13.39 in)
- Min. format, width × length: 14 × 8 cm (5.51 × 3.15 in)
- Max. format, width × length: 34 × 23 cm (13.39 × 9.06 in)
- Max. pile length: 55 cm (21.65 in)
- Pressure: 6 bar

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

FS 150 Thread-Sealing Machine. Easy Opening and Long-Lasting Binding for Brochures and Books

Thread-sealing technology perfectly combines the benefits of adhesive binding and thread-sewing, that is to say low manufacturing costs and a long shelf life. Thread-sealed brochures and books are easy to open flat time after time. Thread-sealing is therefore perfect for textbooks, schoolbooks, reference books, catalogs, or calendars. The FS 150 thread-sealing machine benefits from inline operation and offers outstanding thread-sealing quality at an affordable price. This compact, space-saving machine ensures paper is guided reliably and smoothly at all times. Thread-sealing is performed in one plane, which prevents deformation of signatures as they are passing through the machine. The final fold is executed precisely and reliably by a mobile or integrated cross-fold unit or a mobile buckle plate folding unit.

Product profile

- Max. output: 26,000 sph
- Max. speed: 100 m/min (328 ft/min)
- Min. unfolded format, width × length: 18 × 14.5 cm (7.09 × 5.71 in)
- Max. unfolded format, width × length: 66 × 55 cm (25.98 × 21.65 in)
- Min. folded format, width × length: 9 × 14.5 cm (3.54 × 5.71 in)
- Max. folded format, width × length: 33 × 55 cm (12.99 × 21.65 in)
- No. of thread clamps per sheet (freely selectable): 2–14
- Thread clamp spacing: 3.8 cm (1.50 in)
- Thread clamp length: 1.2 cm (0.47 in)
- Infeed height: 55.5–92 cm (21.85–36.22 in)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Saddlestitching. Impressively Flexible and Cost-Effective Solutions for all Customer Requirements

Saddlestitching is a versatile and extremely cost-effective method for processing both short/medium runs and long runs such as magazines. The Stitchmaster® family from Heidelberg® offers saddlestitchers tailored to many different applications. Short makeready times ensure fast and reliable production for a wide variety of formats and all run lengths.

The Stitchmaster family is the key to success for print shops and bookbinders that are looking to optimize turnaround times. Flexible solutions open up many opportunities to add value and work even more profitably.

Stitchmaster ST 100. The Versatile and Productive Saddlestitcher for Speeds up to 9,000 Cycles per Hour

The Stitchmaster® ST 100 ensures cost-efficient finishing of short and medium runs with constantly changing formats. Operating at up to 9,000 cycles per hour, the machine produces professional results in formats up to A4+ and enables print shops and bookbinders to cover the entire production chain.

Operation is extremely straightforward, with reliable assistance from a menu-based setup program. The PLC control system monitors quality and controls all the saddlestitcher's functions. Job changes are accomplished in just a few simple steps.

Technical Data

- Min. machine speed: 1,500 cycles/h
- Max. machine speed: 9,000 cycles/h
- Min. untrimmed format, width × spine length: 92 × 128 mm (3.62 × 5.04 in)
- Max. untrimmed format, width × spine length: 311 × 355 mm (12.24 × 13.98 in)
- Min. trimmed format, width × spine length: 89 × 120 mm (3.50 × 4.72 in)
- Max. trimmed format, width × spine length: 305 × 349 mm (12.01 × 13.74 in)
- Min. format with KFT small-format transport attachment, width × spine length: 64 × 120 mm (2.52 × 4.72 in)
- Max. product thickness: 10 mm (0.39 in)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Stitchmaster ST 500. For Greater Flexibility

The Stitchmaster® ST 500 delivers exceptional flexibility and productivity for saddlestitching operations. It covers a wide range of requirements in the DIN A3 format (11.69 × 16.53 inches) – both in terms of run sizes and product complexity – and can operate at speeds of up to 13,000 cycles per hour.

The flexibility of the Stitchmaster ST 500 is ensured thanks to horizontal and vertical feeders and an optional cover folder feeder. Adding further trimmer processing options enhances the range of processing applications for even greater versatility.

Ease of access to the stitching heads, the quick-action device for changing stitching heads, a comprehensive automation package for the entire machine, and user-friendly machine control result in short makeready times.

Prinect® Postpress Manager enables the Stitchmaster ST 500 to be integrated directly into the Prinect print shop workflow.

Technical Data

- Max. machine speed: 13,000 cycles/h
- Min. machine speed: 1,000 cycles/h
- Min. untrimmed format, width × spine length: 80 × 128 mm (3.15 × 5.04 in)
- Max. untrimmed format, width × spine length: 330 × 500 mm (12.99 × 19.69 in)
- Min. trimmed format, width × spine length: 80 × 120 mm (3.15 × 4.72 in)
- Max. trimmed format, width × spine length: 315 × 475 mm (12.40 × 18.70 in)
- Min. format with KFT small-format transport attachment, width × spine length: 55 × 120 mm (2.17 × 4.72 in)
- Max. product thickness: 12 mm (0.47 in)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Stitchmaster ST 450. The Creative Saddlestitcher that Consistently Delivers High Productivity and Maximum Flexibility

The Stitchmaster® ST 450 delivers extraordinary productivity, flexibility, and automation. Different types of feeders are available for this saddlestitcher. They are all mobile and equipped with servodrives, allowing them to be placed anywhere on either side of the saddle chain and quickly configured. Optimum results are ensured by Heidelberg® stitching heads and productivity is further enhanced by a versatile compensating stacker. Automatic format presetting for the entire machine takes place at the central control display. The saddle chain, feeders, stitcher, trimmer, and compensating stacker are automatically synchronized. The Stitchmaster ST 450 can be integrated directly into the Prinect® print shop workflow.

Technical Data

- Max. machine speed: 14,000 cycles/h
- Min. machine speed: 600 cycles/h
- Min. untrimmed format, width × spine length: 85 × 128 mm (3.35 × 5.04 in)
- Max. untrimmed format, width × spine length: 320 × 480 mm (12.60 × 18.90 in)
- Min. trimmed format, width × spine length: 80 × 120 mm (3.15 × 4.72 in)
- Max. trimmed format, width × spine length: 315 × 475 mm (12.40 × 18.70 in)
- Min. format with KFT small-format transport attachment, width × spine length: 64 × 120 mm (2.52 × 4.72 in)
- Max. product thickness: 12 mm (0.47 in)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Case Packer CPH 300. The Productive Solution for Automatic Packing of Saddlestitched Products

With the Case Packer CPH 300, Heidelberg® is plugging the final gap in the process chain that extends all the way to the packed carton ready for shipment. The packing procedure for wire-stitched print products is fully automated. Filling up to 300 cartons per hour, the case packer CPH 300 significantly boosts productivity. The cartons are made of corrugated board, which protects packaged print products far more effectively than single-wall cardboard cartons.

The case packer is an inline unit that can be connected to the Stitchmaster® ST 500 or Stitchmaster ST 450.

Technical Data

- Max. machine speed: 300 cartons per hour
- Formats: A4, A5, A6 (oblong and landscape), DL
- Infeed height: 800–850 mm (31.50–33.46 in)
- Carton dimensions, width × depth × height 305 × 215 × 220 mm (12.01 × 8.46 × 8.66 in) or 320 × 215 × 220 mm (12.60 × 8.46 × 8.66 in)
- Air supply: 6 bar
- Power consumption: 5 kW

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Adhesive Binding. Efficient Solutions for Industrial Production of Books and Booklets

Adhesive binding is primarily used to produce paperbacks, magazines, and business reports.

Creating high-quality bound products in short and medium runs, the Eurobind® family benefits from excellent stability and reliability, low maintenance requirements, and short makeready times.

Eurobind 600/600 PUR. Your Gateway to Cost-Effective Adhesive Binding

The Eurobind® 600/600 PUR sets new standards in adhesive binding for runs of up to 2,500 copies. All key functions are controlled on a central touchscreen. Based on the entries made on this touchscreen, the Eurobind 600/600 PUR automatically adjusts the clamp opening width and glue application to the block thickness. The unique spine preparation station with its combination tool optimally prepares blocks for glue application. Precise, uniform gluing ensures cost-effective production of top-quality booklets made from a wide variety of materials.

Technical Data

- Max. machine speed: 600 cycles/h
- Number of clamps: 1
- Block width: 120–320 mm (4.72–12.60 in)
- Block height: 120–440 mm (4.72–17.32 in)
- Block thickness: 2–50 mm (0.08–1.97 in)
- Signature grammage: 60–250 gsm
- Overall cover width: 242–710 mm (9.53–27.95 in)
- Cover height: 120–440 mm (4.72–17.32 in)
- Width of front/back cover: 120–330 mm (4.72–12.99 in)
- Cover grammage: 120–300 gsm

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Eurobind 1300/1300 PUR. Adding Real Value for Enhanced Quality and Flexibility in Adhesive Binding

As a professional four-clamp adhesive binder, the Eurobind® 1300/1300 PUR is ideal for processing folded signatures or single sheets in run lengths of 1 to 5,000 copies.

The many strengths of the Eurobind 1300/1300 PUR include automatic block thickness measurement, an adjustable jogger in the infeed area, a user-friendly 15-inch touchscreen, a high-quality spine preparation station, a PUR nozzle application system for spine gluing, a fully automated vertical cover feeder with double scoring system, and a high-quality lift-type delivery with integrated grippers.

The Eurobind 1300 PUR is equipped with an innovative PUR nozzle application system and enables even, reproducible adhesive application, a precise start/stop action, and efficient glue consumption.

Technical Data

- Max. machine speed: 1,300 cycles/h
- Number of clamps: 4
- Block width: 120–300 mm (4.72–11.81 in)
- Block height: 145–360 mm (5.71–14.17 in)
- Block thickness: 2–45 mm (0.08–1.77 in)
- Signature grammage: 60–170 gsm
- Overall cover width: 242–680 mm (9.53–26.77 in)
- Cover height: 145–370 mm (5.71–14.57 in)
- Width of front/back cover: 120–320 mm (4.72–12.60 in)
- Cover grammage: 120–300 gsm

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Eurobind Pro. Reliable in All Respects for Greater Flexibility, Productivity, and Net Output

The highly automated Eurobind® Pro delivers top-quality results with maximum productivity, flexibility, and cost-effectiveness. It is the optimal solution for multi-shift operation with average run lengths of up to 10,000 copies. Its intelligent automation concept makes job changes fast and easy. The Eurobind Pro has its own local control panels with touchscreen displays, eliminating the need for a lot of legwork. Up to four spine preparation stations optimally prepare the spine for PUR or hot-melt gluing. The innovative cover pressing station ensures accurate positioning of the covers and optimal shaping of the spine. The Eurobind Pro can be directly incorporated into the Prinect® print shop workflow.

Technical Data

- Max. machine speed: 6,000 cycles/h
- Number of clamps: 19 or 24
- Block width: 100–320 mm (3.94–12.60 in)
- Block height: 140–485 mm (5.51–19.09 in)
- Block thickness: 2–60 mm (0.08–2.36 in)
- Signature grammage: 60–170 gsm
- Overall cover width: 202–710 mm (7.95–27.95 in)
- Cover height: 140–460 mm (5.51–18.11 in)
- Cover grammage: 80–350 gsm

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Eurotrim 1000. The Ideal Three-Knife Trimmer for Short and Medium Runs

The Eurotrim 1000 combines a compact design and advanced drive technology with a state-of-the-art trimming concept to maximize productivity and cost-efficiency. This automatic three-knife trimmer is equipped with a touchscreen display that incorporates control and format input functions and includes a memory for standard and repeat job settings. Each of the knives has a separate drive and operates against format-independent cutting plates. Pressing bars directly next to the knives ensure optimum results. The Eurotrim 1000 can be operated either as a standalone unit or inline in conjunction with a Eurobind® 1300/1300 PUR and a customized cooling section.

Technical Data

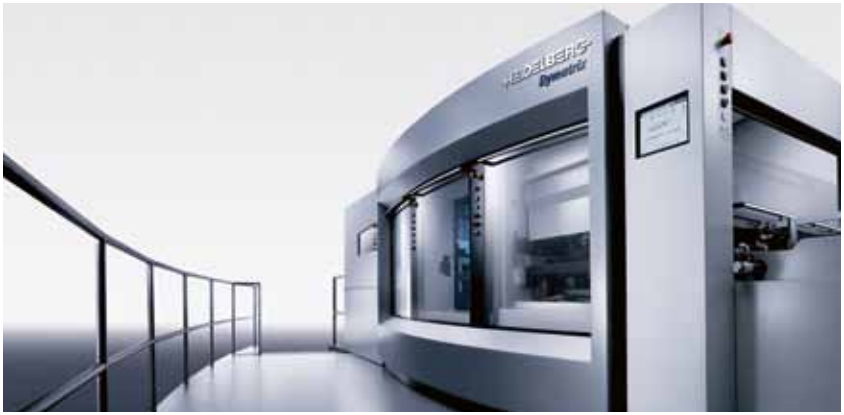
- Max. machine speed: 1,000 cycles/h
- Untrimmed book block width: 105–345 mm (4.13–13.58 in)
- Untrimmed book block height: 110–480 mm (4.33–18.90 in)
- Trimmed book block width: 90–330 mm (3.54–12.99 in)
- Trimmed book block height: 100–470 mm (3.94–18.50 in)
- Min. product thickness: 2 mm (0.08 in)
- Max. product thickness: 60 mm (2.35 in)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Die Cutting. Premium Packaging Needs to be Produced to Very High Quality Standards

Packaging is generally made by die cutting blanks from sheets of paper or card. Crease-lines and blind embossing can be added at the same time. This complex process makes it essential to cut the sheets one at a time. Because the final products are typically premium packaging (for cosmetics, cigarettes, pharmaceuticals, food, etc.), the materials used have to meet certain requirements. The dies also need to have minimal tolerances, and the automated die cutters used have to work extremely precisely and reliably. Flatbed die cutters meet these requirements best. Printed sheets stacked on a pallet are conveyed or taken manually from the press straight to the die cutter. There they are aerated and aligned, then taken up by a gripper assembly and precisely positioned between the cutting plate and the die. After cutting, the waste is automatically stripped away. Last but not least, the blanks are separated from the rest of the sheet.

Dymatrix 106 Pro and 113 Pro. Die Cutting and Embossing for Demanding Applications at Top Speeds



With their reliable moving upper platen and register system, the Dymatrix® 106 Pro and Dymatrix 113 Pro benefit from smooth handling and high-quality processing for a wide range of applications. Both die cutters also offer the option of increasing the sheet size up to 82 × 113 centimeters (32.28 × 44.49 inches). The Dymatrix 106 Pro and Dymatrix 113 Pro achieve maximum productivity with the optional Dyset® Pro sheet alignment system. An optical sheet sensor ensures precise sheet alignment using page or printing marks. Fine adjustments to the cutting plate can be made at the touchscreen. An innovative sheet brake that cleans itself during production ensures optimum delivery of multiple-ups.

Technical Data

Dymatrix 106 Pro

- Min. sheet size, CS/CSB: 350 × 400 mm (13.78 × 15.75 in)
- Max. sheet size, CS/CSB: 760 × 1,060 mm (29.92 × 41.73 in)
- Max. cutting pressure, CS/CSB: 330 t/3.3 MN (727,525 lbs)

Dymatrix 113 Pro

- Min. sheet size, CS/CSB: 350 × 400 mm (13.78 × 15.75 in)
- Max. sheet size, CS/CSB: 820 × 1,130 mm (32.28 × 44.49 in)
- Max. cutting pressure, CS/CSB: 400 t/4.0 MN (881,848 lbs)

C = Cutting, S = Stripping, B = Blanking

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Dymatrix 145. Premium Large-Format Die Cutter for Excellent Productivity

The state-of-the-art technology of the Dymatrix® 145 provides unrivaled precision for the 106 × 145 centimeters (41.73 × 57.09 inches) format. For instance, the moving upper platen ensures extremely smooth sheet travel. Even thin printing stocks benefit from optimum die cutting. And even small pieces of waste are stripped with great precision. Other proven features include the non-stop high-performance feeder, the register system, and the electronically controlled sheet brake. The Dymatrix 145 die-cuts up to 8,000 sheets per hour and therefore ensures a smooth production process in conjunction with the Speedmaster® XL 145.

Technical Data

- Min. paper weight: 80 gsm
- Max. cardboard/solid boxboard weight: 2,000 gsm
- Max. corrugated board thickness: 4 mm (0.16 in)
- Max. machine speed, CSB: 8,000 sph
- Min. sheet size, CSB: 500 × 700 mm (19.69 × 27.56 in)
- Max. sheet size, CSB: 1,060 × 1,450 mm (41.73 × 57.09 in)
- Max. cutting pressure, CSB: 600 t/6.0 MN (1,322,773 lbs)

C = Cutting, S = Stripping, B = Blanking

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Varimatrix 82 CS. Cost-Effective Die-Cutting and Embossing Technology in the 50 × 70 Format

In packaging and commercial printing, the Varimatrix® 82 CS combines short makeready times, high quality, and cost-efficiency for die-cutting and embossing processes in the 50 × 70 centimeters (19.68 × 27.56 inches) format. With a maximum sheet format of 605 × 815 millimeters (23.82 × 32.09 inches), it is the ideal complement to a Speedmaster® XL 75 and is particularly suited to short runs.

The Varimatrix 82 CS also shows its strengths with small sheet formats of 280 × 320 millimeters (11.02 × 12.60 inches).

A preparation table, fine adjustment of the cutting plate, and user-friendly quick-action clamping systems ensure quick and easy job changes and thus short makeready times – all at a machine speed of 8,000 sheets per hour.

Technical Data

- Min. paper weight: 80 gsm
- Max. cardboard/solid boxboard weight:
  1,400 gsm
- Max. corrugated board thickness:
  2 mm (0.08 in)
- Max. machine speed:
  8,000 sph
- Min. sheet size
  280 × 320 mm (11.02 × 12.60 in)
- Max. sheet size
  605 × 815 mm (23.82 × 32.09 in)
- Max. cutting pressure:
  200 t/2.0 MN (440,925 lbs)

C = Cutting, S = Stripping

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Varimatrix 105 C/CS. The Economical Way to Get Started in Professional Die Cutting and Embossing

The universal Varimatrix® 105 C/CS combines high-quality, cost-efficient production with short setup times. This robust and reliable machine can tackle any task with outstanding results. Thanks to its high level of automation, the Varimatrix 105 C/CS is also ideal for short runs. The variable chase accepts cutting dies of different sizes, which means that existing die-cutting tools can continue to be used. And a menu-based touchscreen ensures quick and easy operation. The Varimatrix 105 C/CS is the low-cost solution for achieving far greater added value in-house.

Technical Data

- Min. paper weight: 80 gsm
- Max. cardboard/solid boxboard weight:
  1,400 gsm
- Max. corrugated board thickness:
  4 mm (0.16 in)
- Max. machine speed:
  7,500 sph
- Min. sheet size:
  350 × 400 mm (13.78 × 15.75 in)
  300 × 350 mm (11.81 × 13.78 in)[1]
- Max. sheet size
  750 × 1,050 mm (29.53 × 41.34 in)
- Max. cutting pressure:
  300 t/3.0 MN (661,387 lbs)

[1]With small sheet device

C = Cutting, S = Stripping

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Varimatrix 105 CSF. Great Variety of Possibilities Thanks to Integrated Hot-Foil Module

Hot-foil embossing is particularly popular for the surface finishing of packaging products and labels. The Varimatrix® 105 CSF is perfect for providing additional flexible solutions that are in line with market requirements. It can handle a wide variety of jobs with great efficiency – from folding cartons and CD/DVD covers to labels, displays, and calendars. The hot-foil module can be fitted or removed as required for metallic effects and textured/relief embossing in a single pass. The Varimatrix 105 CSF can process a broad range of different substrates up to corrugated board 4 millimeters (0.16 inches) thick.

Technical Data

- Max. machine speed: 7,500 sph
- Max. hot-foil speed: 6,000 sph
- Min. sheet size: 350 × 400 mm (13.78 × 15.75 in)
- Max. sheet size 750 × 1,050 mm (29.53 × 41.34 in)
- Max. hot-foil embossing size: 710 × 1,060 mm (27.95 × 41.73 in)
- Max. cutting pressure: 300 t/3.0 MN (661,387 lbs)
- Max. temperature: 180°C
- Number of heating zones: 12
- Max. foil diameter: 240 mm (9.45 in)

C = Cutting, S = Stripping, F = Foiling (hot foil)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Folding Carton Gluing. Efficient Production of High-Quality Cartons at Speeds of over 200,000 Cartons per Hour

Folding carton gluing machines from Heidelberg® can produce a broad spectrum of high-quality cartons. Their high processing quality, short setup times, and consistent ease of use allow optimal processing of more than 200,000 folding cartons per hour. Folding cartons are produced from die-cut blanks. Creaselines are added in advance in the prefolder, which makes it easier to subsequently assemble the folding cartons for filling. Depending on their design, one or more points on the carton are glued during the folding process. The surface and material quality, printing, and finishing of the folding cartons all have to meet very strict requirements. Purchase decisions at the POS are greatly influenced by a packaging design that attracts the attention of the potential buyer.

Easygluer 100. The All-Round Machine for Professional Folding Carton Production

The Easygluer® 100 was designed as a universal machine for professional applications. Even the standard configuration can output up to 50,000 lockbottom cartons per hour at speeds as fast as 300 meters (just under 1,000 feet) per minute, in addition to producing straightline and double-wall cartons. The option of extending its capabilities to four- and six-corner collapsible cartons and adding special tools also makes it possible to tap into the market for special packages and CD covers. The folding unit is 2.9 meters (9 feet 7 inches) long and designed to ensure gentle folding. The Easygluer 100 is equipped with a touchscreen at the transfer station, supplemented by a wireless remote control unit. This makes the machine easier to operate and minimizes makeready times.

Technical Data

Straightline folding cartons:

- Machine speed: 300 m/min (984 ft 3 in/min)
- Folding boxboard: 200–600 gsm
- Corrugated board: N-/F-/E-flute
- Open blank width: 87[1]–1,000 mm (3.43[1]–39.37 in)

Lockbottom cartons:

- Max. output: 50,000 pcs/h
- Folding boxboard: 250–600 gsm
- Corrugated board: N-/F-/E-flute
- Open blank width: 156[1]–1,000 mm (6.14[1]–39.37 in)

[1]With miniature carton attachment

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Diana 45. A High-Output Folding Carton Gluing Machine with a Huge Repertoire

The Diana® 45 is specially designed for top-quality cartons in the smaller size range, such as those used to package cosmetics and pharmaceuticals. An optional alignment module behind the feeder enables blanks to be aligned on the left- or right-hand side. Long folding paths in the prefolder and folding unit ensure gentle transport of blanks, while narrow transport and folding belts result in fast setup and convenient operation. Electronic, blank-dependent speed control in the compression and delivery section ensures precise spacing in the shingled stream.
A wide variety of quality control systems can also be integrated to minimize waste. The open design of the Diana 45 enables fast, easy access to all parts of the machine for servicing.

Technical Data

Straightline folding cartons:
- Machine speed: 400 m/min (1,312 ft 4 in/min)
- Folding boxboard: 200–600 gsm
- Corrugated board: N-/F-/E-flute
- Open blank width: 55[1]–450 mm (2.17[1]–17.72 in)

Lockbottom cartons:
- Max. output: 50,000 pcs/h
- Folding boxboard: 250–600 gsm
- Corrugated board: N-/F-/E-flute
- Open blank width: 150–450 mm (5.91–17.72 in)

[1]With miniature carton attachment

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Diana X 80 and Diana X 115.

Professional, High-Quality Folding Carton Production

The Diana® X 80 and Diana X 115 folding carton gluing machines can be used flexibly for the production of both standard and high-quality packaging. With production speeds of up to 650 meters (2,130 feet) per minute, a high level of automation, and an open and easily accessible modular design, they deliver maximum productivity, precise folding carton processing, and optimum flexibility. This innovative technology makes it possible to customize the machines and expand them according to precise requirements. With a working width of 800 millimeters (31.49 inches), the Diana X 80 is ideal for processing pharmaceutical packaging, while a working width of up to 1,150 millimeters (45.28 inches) ensures that the Diana X 115 is the perfect solution for processing anything from standard to highly complex packaging.

Technical Data

Straightline folding cartons:

- Machine speed: 500 m/min (1,640 ft 6 in/min), with option of 650 m/min (2,132 ft 7 in/min)
- Folding boxboard: 200–900 gsm
- Corrugated board: N-/F-/E-flute
- Open blank width: 75–max. 1,150 mm (2.95–max. 45.28 in), with option of 45[1]–1.150 mm (1.77[1]–45.28 in)

Lockbottom cartons:

- Max. output: 50,000 pcs/h
- Folding boxboard: 250–900 gsm
- Corrugated board: N-/F-/E-/B-flute
- Open blank width: 146–max. 1,143 mm (5.75–max. 45.00 in)

[1]With miniature carton attachment

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Diana X 135. A New Dimension in Folding Carton Gluing

The Diana® X 135 is an advanced folding carton gluing machine with a modular design that achieves top levels of automation.
A turning module enables blanks to be rotated clockwise or counterclockwise by up to 180 degrees (depending on the format), in many cases eliminating the need for a second pass through the machine. Other features that ensure exceptionally user-friendly operation include a touchscreen with graphic user interface, a modem link, and the ability to connect peripherals such as gluers and monitoring systems to the machine control system.

Technical Data

Straightline folding cartons:

- Machine speed:
  500 m/min (1,640 ft 5 in/min)
  450 m/min (1,476 ft 4 in/min)[2],
  with option of 650 m/min
  (2,132 ft 7 in/min)
- Folding boxboard: 200–900 gsm
- Corrugated board: N-/F-/E-/B-flute
- Open blank width:
  45[1]–1,350 mm (1.77[1]–53.15 in)

Lockbottom cartons:

Max. output: 50,000 pcs/h
Folding boxboard: 250–900 gsm
Corrugated board: N-/F-/E-/B-flute

- Open blank width:
  190–1,343 mm (7.48–52.87 in)

[1]With miniature carton attachment
[2]With blank turning module

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Stack Turner. Productivity from the Word Go

The Stack Turner from Heidelberg® was developed specifically for turning and feeding piles of blanks. When used in conjunction with the high-performance Diana® Feeder and Diana Packer, it is the ideal complement to a Diana folding carton gluing machine.

One operator can easily transfer the piles of blanks from the pallet onto the Stack Turner's feed table. The innovative pile stop helps him align the pile of blanks precisely. The Stack Turner is controlled from a user-friendly control panel on the side of the machine that offers easy access. Operators can also opt to control the entire folding carton gluing machine from the Stack Turner using a wired remote control device. In the standard configuration, the lateral pile stop for pile placement is fitted on the operator's side.

The Stack Turner processes different carton sizes and formats with ease, supporting pile heights of 100 to 300 millimeters (3.94 to 11.81 inches). With up to four turning cycles per minute, it also benefits from a high production capacity.

Technical Data

- Max. blank pile size, width × length: 900 × 600 mm (35.43 × 23.62 in)
- Min. blank pile size, width × length: 200 × 200 mm (7.87 × 7.87 in)
- Max. blank pile height: 300 mm (11.81 in)
- Min. blank pile height: 100 mm (3.94 in)
- Max. no. of pile turns per minute: 4
- Max. pile weight: 30 kg (66.13 lbs)
- Folding boxboard: 200–800 gsm

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Diana Feeder. The Prefeeder to Boost Productivity in High-Speed Operation

The Diana® Feeder prefeeder ensures folding carton gluing machines have a continuous supply of blanks. It minimizes machine downtimes and increases the machine's net output by preventing simultaneous feeding of more than one blank. The Diana Feeder thus boosts productivity long-term and delivers much shorter makeready times with the same number of staff. The automatic control system means that manual speed control during production is no longer necessary. Digital position displays for setting feed gates greatly simplify setup. What's more, settings can be reproduced for repeat jobs at any time.

Technical Data

- Max. processing speed (depending on the speed of the folding carton gluing machine):
  650 m/min (2,132 ft 7 in/min)
- Folding boxboard:
  200–800 gsm
- Open blank width:
  100–900 mm (3.94–35.43 in)
- Blank length:
  90–600 mm (3.54–23.62 in)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Diana Packer. Automatic Packing of Over 200,000 Folding Cartons per Hour

Technical Data

Packing scheme:

- 1–5 rows side by side
- 1–5 layers on top of each other
- On creaseline 2 or 4 and on closure flaps

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

Able to pack over 200,000 cartons per hour, the Diana® Packer effortlessly keeps pace with the output of high-performance machines. The operation of packing glued cartons stops being a bottleneck, which leads to top production speeds in folding carton gluing and lowers unit costs. The Diana Packer benefits from straightforward touch-screen operation. Automatic calculation of settings and the fact that a smaller number of components need to be set cut makeready times by up to 50 percent. An integrated laser system ensures accurate counting of cartons. A sample carton can be taken for quality control purposes, and a replacement carton is then placed in the shipping case so that it will still contain the correct number of items.

Inlet-Spotter. Efficient Gluing of Reinforcing Inlets

Technical Data

- Working width:
  265–1,350 mm (10.43–53.15 in)

Technical data can vary according to job, format, ink, printing stock and, possibly, other factors.

The Inlet-Spotter module enables reinforcing inlets to be glued into folding carton blanks, for example in the case of large soap powder boxes or two-part packaging used for transport and display purposes. The timed feeder of the Inlet-Spotter ensures greater reliability and flexibility in the production of two-part packaging. Operating at speeds of over 200 meters (650 feet) per minute, it sets the correct speed for the folding carton gluing machine. The Inlet-Spotter has its own servo drive, which means it can be flexibly deployed on any folding carton gluing machine. It can also be combined with add-on machines such as the Diana® Feeder and the inlet prefeeder to maximize productivity.

Saphira Prepress Products. For Efficient and Reliable Top-Quality Production

Saphira® products from Heidelberg® not only enable you to benefit from cost-effective production. They also ensure reliable production quality. The portfolio covers:

Printing plates and associated chemicals
A variety of CtP printing plates that are suitable for all popular violet and thermal lasers along with analog and polyester plates.

Films and associated chemicals
Numerous rapid-access films and chemicals for filmsetters.

Proofing paper
Premium papers for optimum color matching in the production process.

Saphira Press Products. The Best Starting Point for Perfect Print Results

The Saphira® product portfolio offers everything you need for perfect printing – from inks and coatings to blankets and pressroom chemicals.

Inks
Process inks for conventional and UV printing and spot color inks such as Pantone® mixed color inks.

Coatings
Water-based and UV coatings for protection and surface finishing of print products.

Blankets
Top-quality conventional, UV, and coating blankets for accurate ink transfer and optimum print results.

Rollers
Saphira inking and dampening rollers with rubber materials for high-quality print results.

Chemicals
Washing and cleaning fluids, fountain solution additives, alcohol substitutes, and other pressroom chemicals for high-quality production.

Pressroom supplies
Ink fountain liners, cloth supply rolls, spray powders etc. for the highest demands.

Saphira Postpress Products. Optimum Production Conditions to the Very End of the Process Chain

Heidelberg® offers a wide range of Saphira® postpress consumables.

Cutting

Our cutting supplies are precision made in Germany. The benefit to you is that they stay sharper for longer and therefore need to be ground or replaced less frequently.

Folding

Saphira Special Cleaner has been developed to clean folding rollers thoroughly in a single pass and to give them a new lease of life.

Folding carton gluing

Glues that take effect quickly and enable optimum processing with the application systems used are vital to ensure that folding cartons remain permanently bonded. Saphira Dispersion Glue is ideal for use at high machine speeds (up to 650 m/min). It eliminates glue splashes behind the glue wheel and clumping in the glue pan.

Adhesive binding

Saphira adhesives and cleaners are perfectly coordinated with Heidelberg adhesive binders. They can be integrated perfectly into your production operations – from rapid running in and quick progression to the start of production to reliable manufacture and straightforward cleaning.

Stitching wire

Saphira Stitching Wire ensures smooth, high-quality production. It enables optimum machine speeds thanks to cleanly wound coils and consistently high wire quality.

Saphira Eco Products. Eco-Friendly Prepress, Press, and Postpress Consumables

Saphira® Eco is a wide-ranging product line of environmentally friendly prepress, press, and postpress consumables.

All products bearing the Saphira Eco label are based on Heidelberg® criteria for eco-friendly consumables and satisfy the toughest industrial environmental standards. Saphira Eco consumables comply with the requirements of regional and international environmental certification programs.

Saphira Eco products

- Are based on renewable raw materials and/or can be recycled
- Do not contain any SVHC (CMR, PBT, vPvB) as defined by the REACH regulation
- Have lower emission values than comparable products – fewer emissions of volatile organic compounds (VOCs), lower ammonia and dust emissions
- Originate from ISO 9001/14001-certified manufacturers

Saphira Food Packaging Products. A Broad-Based Portfolio for Excellent Protection and Greater Safety

Elements from materials used in food packaging must not be allowed to migrate into the contents. Migration depends on the materials used, interaction between the consumables used, and the design of the packaging itself. The processing of the materials (e.g. drying) is frequently the crucial problem in this respect.

Heidelberg® has taken particular care in selecting its range and offers a broad-based portfolio of suitable consumables. This extends from inks, coatings, fountain solutions, and washing fluids to folding carton glue and lubricants. Another key factor is the subsequent application for the packaging – for instance, will it be used for dried and/or greasy foodstuffs? All materials are specially designed to prevent/minimize migration or impairment of the packaged product.

For printing (conventional and UV)

- Low-migration inks
- Low-migration coatings
- Low-migration fountain solutions
- Low-migration washing fluids
- Low-migration H1 lubricants

For postpress

- Low-migration folding carton glues for glue wheel / nozzle application

Saphira Starter Kits. Optimum Production from the Outset

The consumables contained in Saphira® Starter Kits are perfectly coordinated for consistently optimized results on Heidelberg® presses.

Heidelberg engineers use Saphira Starter Kits when commissioning presses and/or during acceptance inspections. These kits optimize productivity and quality from the outset – day in, day out. Saphira Starter Kits are particularly recommended for PSO and ISO 12647-2 certification processes. They are available exclusively from the Heidelberg sales and service organization.

Saphira Starter Kits

- Saphira Starter Kit Commercial Standard
- Saphira Starter Kit UV
- Saphira Starter Kit Eco

Saphira Performance Kits. Top Performance for Special Technologies

Saphira® Performance Kits contain consumables that have been developed for specific Heidelberg® technologies such as Anicolor or LPL (coating both before and after sheet reversal). These consumables are designed to work in perfect harmony with each other and the machines they are used in. As a result, you are ideally equipped for top performance in your print production operations.

Saphira Performance Kits are available exclusively from the Heidelberg sales and service organization.

Saphira Performance Kits

- Saphira Performance Kit Anicolor / Anicolor UV
- Saphira Performance Kit LPL for double-sided coating in a single pass
- Saphira Performance Kit Drip-off Solution, conventional / hybrid / UV
- Saphira Performance Kit Primer / UV

Online-Shop. Buying from Heidelberg Made Easy

You can order Original Heidelberg™ Service Parts and prepress, press, and postpress consumables direct from the Heidelberg® Online Shop. It is highly convenient and open 24/7.

The shop's customer-oriented navigation structure and the clear page layout make shopping at Heidelberg easy and convenient. You can also benefit from exclusive online offers and save personalized shopping lists for items you need regularly.

Heidelberg Online Shop

- Orders can be placed around the clock
- Personalized shopping list and order history
- Easy payment by credit card
- Bonus scheme

Systemservice Agreements for New Presses. The Basis for Value Retention and Unrestricted Performance

When buying a new press from Heidelberg®, you automatically benefit from a comprehensive service package. Systemservice® 36plus includes numerous services such as repairs, the necessary parts, and Remote Service. In conjunction with an appropriate maintenance schedule, this not only lays the best possible foundation for your press to benefit from long-term value retention but also ensures a consistently high level of performance in everyday operation. What's more, all software updates are free during the 36-month service period.

Our product:

- Systemservice 36plus

Systemservice Partner Program. Service Agreements for Machines Already Installed

Partner Program agreements for Heidelberg® machines already installed cover the entire process chain – from prepress to postpress. The four service packages – Maintenance, Remote, Value Service, and Full Service – cover all the basic services for your equipment. This system is complemented by an additional portfolio of Performance Services to boost your performance.

Basically speaking, the agreements are compact packages geared to different needs. With them, you can rely on great service provided by exceptionally well-trained engineers using only Original Heidelberg™ Service Parts. This is the best way of safeguarding your investment over the long term and maintaining the resale value of your equipment. Our Partner Program agreements allow you to retain full control over costs while providing straightforward administrative processes, thereby ensuring your peace of mind, complete control over costs and straightforward administrative processes. That's what service from Heidelberg is all about.

Our products:

- Maintenance Agreement
- Remote Agreement
- Value Service Agreement
- Full Service Agreement
- Performance Agreement

Maintenance Agreement

- Maintenance services

Remote Agreement

- Telephone support
- Remote Services

Value Service Agreement

- Maintenance services
- Telephone support
- Remote Services
- Software updates
- Repairs

Full Service Agreement

- Maintenance services
- Telephone support
- Remote Services
- Software updates
- Repairs
- Original Heidelberg Service Parts

Performance Agreement

Individually agreed package of services based on the Full Service Agreement with additional service products from the Performance Services portfolio as required.

Preventive Maintenance. For Improved Availability and Smooth Production

Do you want to be certain that the machines at your company are operating productively all the time? Heidelberg® Systemservice® has developed preventive maintenance services for this very purpose. They include regular checks based on special checklists, calibrations, and replacement of certain wear parts at specified intervals.

Preventive maintenance services:

- Thorough inspection and performance check in line with the Heidelberg checklist
- If necessary, mechanical parts are lubricated, oiled, and adjusted
- Replacement of all parts that need to be exchanged during maintenance operations
- Replacement of wear parts (billed separately)
- Preventive replacement of service parts based on expert appraisal
- Assessment of the technical condition of the machine and, if necessary, suggestions for further preventive measures

Our products:

- Maintenance
- Inspection
- Cleaning

Expert Support. Fast, Expert Assistance over the Phone and Online

We help you rectify problems as quickly as possible to stop you losing valuable time and enable you to resume production in no time. One way in which Heidelberg® achieves this is by maintaining a special database with a list of problems. This keeps us abreast of the latest developments and enables us to answer all your questions quickly, in many cases, without time-consuming additional analyses. Thanks to Remote Services, Heidelberg engineers can also connect directly to your system online and may even be able to rectify the problem immediately without an on-site visit.

Our products:

- Telephone support
- Extended service availability
- 24/7 Global Expert Network
- Remote Services
- eCall

Repair and Machine Overhaul. To Maintain Your Machine's Top Performance

Machine faults should be rectified as quickly and professionally as possible. With Heidelberg® Systemservice® you can be sure that this will be the case, especially if there is no way of avoiding an on-site repair. The highly competent engineers manning our repair service will take all the necessary steps to rectify the fault on the spot. This work may reveal that further overhaul work is needed to fully restore the technical performance levels of your Heidelberg presses and postpress machines. We detail the relevant measures in a quote following a thorough on-site analysis.

Our products:

- Repair and troubleshooting
- Equipment overhaul

Service Parts. Original Heidelberg Quality Worldwide Within 24 Hours

Service parts are subject to the same high quality standards as everything else at Heidelberg®. All our parts are made with the same high precision you have come to expect from all other Heidelberg products. As a result, they offer excellent reliability and value retention. Virtually all Original Heidelberg™ Service Parts can be delivered within 24 hours. Our World Logistics Center in Wiesloch, the American Logistics Center in Indianapolis, and both our logistics centers in Asia provide this service across the globe – a logistics promise unique in the print media industry. As a result, we can deliver 95 percent of all spare parts anywhere in the world in just one day – including parts for machines that are no longer in series production.

Our products:

- Original Heidelberg Service Parts

Performance Checks. Comprehensive Inspections as a Basis for Sustainable Improvement Measures

Our Performance Checks identify possible potential for optimizing your Heidelberg® presses, platesetters, and postpress equipment. Do the inspected machines benefit from proper maintenance? Are all the settings correct? Is there a specific retrofit that could boost their performance? Or does the software need to be updated? Perhaps special employee training is the way to improve performance.

Heidelberg Performance Checks document the current situation from a technical perspective. They are based on a visual inspection of a particular machine and/or the entire production operation using special checklists developed by Heidelberg and/or printing tests. The machine performance and production quality are examined. Once the check has been completed, Heidelberg Systemservice® experts prepare a final report and discuss the optimization options with you.

Our products:

- Performance Check
- Fitness Check
- Easy Check

Upgrades and Retrofit Options. For Additional Functions, Enhanced Performance, and Green Printing

The aim here is to upgrade rather than replace. Hardware upgrades quickly turn existing machines into state-of-the art equipment or add new functions to older standard equipment. This may be necessary, for example, if requirements change when a print shop gets a new customer and/or job structure. Heidelberg® Systemservice® offers a host of upgrades such as the dynamic sheet brake, FilterStar® Compact, Prinect® Inpress Control, and many more besides.

Our products:

- Hardware upgrades for presses and platesetters
- Retrofits for postpress equipment
- Software upgrades

Color Management Service. For a Reliable and Sustainable Printing Process

Print Color Management (PCM) from Heidelberg® offers you maximum color fidelity and a perfectly coordinated process from prepress to press. In addition to benefiting from significant quality improvements, you will see waste levels and makeready times shrink substantially. You will quickly achieve lasting high-level productivity while also boosting your cost efficiency.

With Print Color Management (PCM), Heidelberg can certify you to ISO 12647-2. This shows your customers that your print production is based on reliable and reproducible quality standards.

Product profile:

- Consultancy and analysis of current situation
- Definition of color standards
- Press optimization
- Process calibration
- Color management and proofs
- Generation of ICC color profiles
- ISO 12647-2 certification

Our products:

- Print Color Management
- ISO 12647-2 certification

Planning and Optimization Services. For More Effective Production Processes

Today, print shops need to make production more cost-efficient than ever and show greater flexibility in processing complex jobs in short runs and with last-minute changes. It is vital to include the entire print shop in this requirements profile. In this regard, the optimization of production and administrative processes and their interaction are just as important as cost savings in all other areas. This also includes energy efficiency, which offers significant potential for making savings in all areas of the company. And by cutting your energy consumption, you not only cut costs but also make an important contribution to protecting our environment.

Heidelberg® is an experienced expert and can help you satisfy these requirements – from defining the necessary measures to their implementation. As a global solution provider for the print media industry, Heidelberg is able to implement extensive improvement measures at your production facilities while also ensuring stable production conditions.

Our products:

- Prinect Process Consulting
- Print Shop Energy Efficiency

Print Media Academy. Learn from the World's Number 1 for Training in the Print Media Industry

Training and consulting

The current economic situation shows that competition is getting fiercer in the print media industry. It is therefore necessary not only to have the right equipment but also the right business model and the relevant know-how to remain competitive and enjoy continued market success.

The Print Media Academy will equip you for a successful future with practical training and consulting services. Our industry experts will provide you with knowledge and skills that you can put to direct use in your day-to-day work. During our consulting projects, we work with you to identify the key factors in your business success and determine how you can gear your company to future customer needs.

Management Expertise. Success Strategies for Sales and Marketing

Competition is getting ever fiercer and changes in market dynamics are gathering pace. Print industry managers therefore always need to keep abreast of the latest industry trends and comprehensive, sustainable strategic management methods. The Print Media Academy's training portfolio helps you devise appropriate strategies in response to changes in customer needs, new market trends, and your print shop's growing optimization and efficiency requirements. It is geared to developing new sales and marketing opportunities that offer a promising future.

Management know-how

- Sales & marketing
- Strategy & leadership

Industry Expertise. The Latest Know-How for Employees and Management

Training has become a prime success factor for print shops. The greatest success in tackling new challenges productively is achieved with well-trained employees and management staff equipped with the very latest industry know-how. The Print Media Academy offers a comprehensive and practical training program for this precise purpose – covering everything from training courses on equipment and technical topics to management seminars. This is vital because it is difficult to master the constantly changing challenges of the print media industry without regular, well-founded ongoing training.

The latest industry know-how

- Basic knowledge of print production
- Professional data transfer
- Optimized production processes

Application Expertise and Product Training. Practical Training Sessions and Machine Events

Our industry is developing at a fast pace. New market requirements and technical advances mean that employees at all levels of the company need to keep learning and gaining new skills. The Print Media Academy provides you with the necessary application expertise and offers practical training on appropriate equipment. The courses cover Prinect modules and overviews of Heidelberg® presses and postpress equipment such as saddlestitchers, folding machines, and adhesive binders.

Practical learning through product training

- Prinect modules from Heidelberg
- Heidelberg press equipment
- Heidelberg postpress equipment

Seminars for Print Customers. Working Efficiently and Successfully with Print Shops

Quality, delivery reliability, and efficiency must intermesh perfectly to achieve successful print production. The Print Media Academy offers events specifically aimed at print customers for this purpose.

Learn from the professionals. These events pool the relevant expertise of the Print Media Academy and show how to optimize print jobs and ensure successful cooperation between customers and print shops. The seminars are geared towards managers and employees in the print media industry or public institutions that commission and manage print projects.

Know-how for print buyers

- Basic knowledge of print production
- Planning and purchasing
- Print-related marketing communication
- Prepress and PDF
- Print production and quality control
- Intensive program for international customers

Business Development. Consulting for Your Print Shop by Heidelberg Industry Experts

To be more effective in tackling day-to-day challenges, our consulting experts work closely with you to examine all management areas and come up with answers to the key questions for any company: Where do the company's strengths and weaknesses lie? How can you ensure your company is ideally positioned on the market? Which market trends can you use to your benefit? Which aspects of sales and marketing should be strengthened? How can you develop your company strategy? Based on the answers to these questions, we identify the potential that exists in the company and derive measures to ensure your success.

The benefits for you

- Higher sales
- Greater competitiveness
- Larger profits
- Sustainability

Process Optimization. Optimizing Company Processes and Harnessing Potential for Improvement

The benefits for you

- Improved productivity
- Lower production costs
- Optimized workflows and capacity
- Enhanced competitiveness
- Less tied-up capital

Many companies' growth plans come up against obstacles. When this happens, the sensible course of action is to streamline workflows, cut costs, and ensure better use of available capacity. Following a detailed analysis of your production workflows and material flows, we work with you to identify possible potential for improvement. We use the knowledge acquired about your production processes to develop a new process structure and production layout tailored to your needs. Our competence analysis helps you make better use of your staff's potential. Nowadays, only extremely well-trained employees can provide your company with productive support.

Investment Planning. Basing Decisions for the Future on Sound Analysis

We use the data from your management information system to analyze your job make-up, ABC customer structure, and machinery. This serves as a basis for developing possible scenarios and simulating their impact on your company. Once this process is completed, you can make future investment decisions based on reliable and concrete figures.

The benefits for you

- Minimum risks when making decisions
- Lower production costs
- Potential for optimization identified
- Greater competitiveness

Solutions for an Environmentally Friendly Print Process

Minimizing waste, energy consumption, and emissions enables Heidelberg® and its customers to combine business success with eco-friendly production based on the motto: “Think economically, print ecologically”. Heidelberg is committed to environmental management, sustainable printing, and innovative total solutions. Environmental protection has been an integral part of company policy since as early as 1992. In addition to certifying its own production processes to ISO 14001, Heidelberg focuses on developing innovative, green technologies. It is the only manufacturer with a precise calculation method for carbon-neutral presses and the only one to offer customers the opportunity of offsetting the relevant emissions by supporting climate protection projects. Assisted by the Forest Stewardship Council (FSC), Heidelberg also demonstrates its commitment to environmentally friendly paper production. The focus of the company’s extensive portfolio is on:

- Reducing and preventing CO_2 emissions
- Reducing and preventing emissions such as noise, VOCs, and dust
- Reducing and preventing waste
- Eco-friendly raw materials

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Publishing Information
Printed in: 04/12
Photographs: Heidelberger Druckmaschinen AG
Platemaking: Suprasetter
Printing: Speedmaster
Finishing: Stahlfolder
Consumables: Saphira
Fonts: Heidelberg Gothic MI, Heidelberg Gothic Caps MI
Printed in Germany

For details on the emissions of Heidelberg products, please visit us at www.heidelberg.com/emissiondetails

Subject to technical modifications and other changes.

00.992.9933/01 en