HEIDELBERG
Suprasetter

Suprasetter

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The World's Most Successful Thermal
CtP Family for all Plate Formats.

Suprasetter Live up to their Name.
In Latin Supra Means Far Beyond the Usual
Standard. And they Prove Every Day that they
Are Just that. In Every Format. Everywhere in
the World.

Suprasetter Are the World's Most Successful CtP Family Across All Formats. Surprising? Not At All. Heidelberg Knows the Tough Demands a Platesetter Needs to Meet to Play its Part Successfully – Today and Tomorrow.

Perfection means not having to think about the quality of your printing plates when printing.

A far-sighted investment. Computer-to-plate (CtP) is the world's leading technology for boosting productivity and efficiency in the pressroom. Alongside the printing press, the performance of the platesetter is a decisive success factor. Outstanding quality is just as important as absolute reliability and durability. To successfully stand the test of long-term use and play its part in a company's economic success, a platesetter system needs to be capable of perfectly handling the demanding challenges in the pressroom.

Drawing on the experience gained from installing several thousand CtP systems worldwide, the Suprasetter® generation of platesetters has been designed to set a new benchmark in every format class. From small to large formats, the same successful principles apply to every Suprasetter model: premium quality, maximum availability, growth-oriented modularity and flexibility, as well as perfect integration into the Prinect® print shop workflow.

Suprasetter technology ensures premium quality.
A Suprasetter uses only lasers that have been exclusively designed by Heidelberg®. These lasers ensure excellent imaging quality with maximum productivity, as well as unrivalled depth of focus. The internal punching systems ensure consistent production reliability and supreme register accuracy in the press.

Maximum availability. Alongside their outstanding quality, the laser systems in the Suprasetter family also operate with maximum reliability, thanks especially to the Intelligent Diode System (IDS) developed and patented by Heidelberg. This system ensures that even if one or more diodes fail, production can still continue without any interruptions.

Highly eco-friendly. Heidelberg uses the latest plate technology combining environmentally friendly plate processing with high productivity. Suprasetter can process chemical-free or process-less thermal printing plates. Eliminating chemicals ensures less impact on the environment.

Get Prinected. Suprasetter can be seamlessly integrated into the Prinect workflow. All status information from the unit is reported back to Prinect and can be viewed from any Prinect Cockpit – an ideal basis for optimal planning and machine assignment.

A Suprasetter delivers perfect printing plates. Any time.

Growth-oriented modularity and flexibility. The investment in a CtP system needs to take the developments of tomorrow into account today. This is why the Suprasetter range has been developed as an end-to-end modular design. A Suprasetter can grow with the increasing demands made of a print shop. Plate loading systems can be fitted in no time at all for automatic loading of the platesetter. Suprasetter are highly flexible when it comes to plate handling, plate types and formats, punching systems and levels of automation.

A Suprasetter for Every Format Class.
For Many Print Shops CtP is the Key to Opening
the Door to Greater Productivity. To Ensure
this Key Fits Perfectly to a Print Shop's Needs,
There is a Dedicated Suprasetter for Every
Format Class.

The outstanding CtP technology from Heidelberg is incorporated
in every Suprasetter.

A wealth of innovations for every format class. From small to large format, a new CtP system needs to offer potential for increased performance. It is not enough to merely improve just a few details. What always matters is the sum of all the technical features. So when Heidelberg designed the Suprasetter family, it focused especially on perfectly coordinating all components across all format classes. No matter whether you are looking for automation, modularity, flexibility, reliability or simple operation, the outstanding features of a Suprasetter set a new benchmark in the CtP sector.

Automation for all format classes. The individual plate loading systems in the Suprasetter range might look different, but they all ensure reliable and therefore efficient production that is second to none. In fully automatic mode, a Suprasetter can image the necessary printing plates at any time, whether during the day or the night shift. The quality of a loading system is also defined by the reliability of its slip sheet removal, and here Suprasetter is everything you could wish for.

Modularity and automation are not a question of size. A Suprasetter can always grow with a print shop's increasing demands. Whether you use it from the onset as a fully automated device or upgrade step by step from manual operation to automatic plate production on site – the platesetter can meet the individual, growing needs of every print shop – a further argument that a Suprasetter is a highly secure investment.

Ideal for fully automated operation. Depending on the format class and level of configuration, the unit can be loaded with enough plates to handle several hours of fully automated production, thanks to the enormous capacity of the loading cassettes and their wide range of options for format assignment. A Suprasetter is also highly flexible when processing different printing plates. More than 70 different types from various manufacturers have been tested and approved for use.

Software control with maximum user-friendliness. A Suprasetter is software-driven. The user interface shows the current status of the platesetter in a clearly structured and easy-to-understand view. Production-relevant parameters such as the temperature of the laser carriage can also be viewed. Graphic animations show the position of the plates in the unit. Intuitive navigation enables fast familiarization and reduces input errors to a minimum.

Comparative sizes

	Suprasetter A52	Suprasetter A75	Suprasetter A106	Suprasetter 106
Max. plate format	676 × 530 mm (26.61 × 20.87 in)	676 × 760 mm (26.61 × 29.92 in)	930 × 1,060 mm (36.61 × 41.73 in)	930 × 1,140 mm (36.61 × 44.88 in)

	Suprasetter 106 UV	Suprasetter 145	Suprasetter 162	Suprasetter 190
Max. plate format	930 × 1,050 mm (36.61 × 41.3 in)	1,425 × 1,460 mm (56.10 × 57.48 in)	1,425 × 1,630 mm (56.10 × 64.17 in)	1,425 × 1,915 mm (56.10 × 75.39 in)

It's What's Inside that Counts. Suprasetter Use Only Laser Systems from Heidelberg. Together with Numerous Innovations, they Provide the Highest Level of Reliability and Precision. In Every Format Class.

Lasers made by Heidelberg – unrivalled precision and modularity.

Lasers made by Heidelberg. To ensure rapid and absolutely reliable plate imaging, there is one thing you need more than anything else: laser systems you can rely on at all times. The laser systems developed exclusively by Heidelberg deliver excellent imaging quality as well as maximum productivity. The through-put of a Suprasetter 106 and Suprasetter 145/162/190 can be continually increased by adding further laser modules. The modular concept enables a tailor-made range of configuration options to suit any require-ments. Laser modules can be retrofitted directly on site. Thanks to the unique laser unit concept, retro-fitting requires hardly any machine downtime and minimal service intervention.

Intelligent Diode System. Every laser system from Heidelberg offers maximum reliability, thanks to the Intelligent Diode System (IDS). Even if a diode fails due to wear and tear, operation can still continue. IDS automatically searches to the left or the right of the failed diode to find the largest possible grouping of active diodes and continues operation. This significantly reduces the risk of equipment failure and therefore production downtime.

Deep depth of focus. As well as the Intelligent Diode System, the deep depth of focus makes for consistently reliable production, as any unevenness in the plates is automatically compensated for. The Suprasetter's consistently high imaging quality means there is no need to re-image printing plates, which in turn eliminates any waiting times in the pressroom incurred by having to re-image.

High quality lenticular printing. Plate production calls for highly specialized know-how and the right tools to achieve excellent quality in lenticular printing. Prinect Signa Station positions the artwork so that it is in optimal alignment with the lens. Prinect lenticular screenings using Heidelberg RIP solutions are screened accurately to the lens. In addition, Heidelberg offers an option for the Suprasetter for adapting plate imaging to the lenticular lenses (Lenticular Resolution Adjustment). Together, these three options ensure unprecedented quality and production reliability, enabling users to effectively establish themselves in new markets on a long-term basis.

High resolution. The 2,400 dpi or 2,540 dpi Suprasetter laser systems deliver excellent quality for practically all commercial and packaging printing production. There are, however, some applications where an even higher imaging resolution can boost quality even more. In particular in security printing, for example, guilloches and very fine micro print elements need to be printed in lines that are as smooth and precise as possible. There is now a 5,080 dpi high resolution option that does just this. Switching resolutions within the workflow is carried out fully automatically. This ensures that maximum productivity is maintained.

Maximum punching precision and flexibility. All Suprasetter models can be equipped with highly accurate, internal punching systems as an option. Plates are punched with maximum register accuracy. This sustainably reduces makeready times at the press and minimizes waste, especially in repeat jobs when, for example, you need to make new printing plates from the previous job data. Since there are hardly any fluctuations in register, production can be immediately started.

Debris removal system. The optional vacuum and filtration system removes loose particles and dust from the plates. This makes Suprasetter ideal for processing ablative plates.

The benefits of a Suprasetter at a glance:

Internal punching: Internal punching of the printing plates helps to shorten makeready times at the press and minimize waste. • **Temperature stabilizer:** The printing plates are always imaged under the same conditions, which is vital for rapid inking-up of the press and minimizing waste. • **Modularity:** A Suprasetter grows with rising demands when it comes to plate and format handling, plate punching and the level of automation. • **Deep depth of focus:** Any unevenness in the plate is automatically compensated for. This means there is normally no longer any need to remake printing plates, saving waiting time in the pressroom. • **Integration:** A Suprasetter can be seamlessly integrated into the Prinect workflow, providing the ideal basis for optimal planning and press utilization.

Suprasetter A52/A75: The Most Space-saving and Successful CtP Platesetter in its Class. The Technology from Larger-format Suprasetter Makes the A52/A75 a High-tech Solution with Outstanding Performance, Maximum Quality and Flexibility.
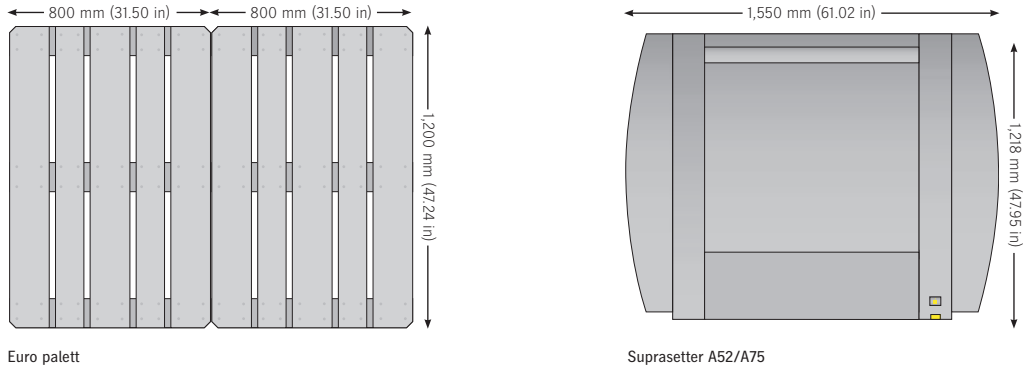

Suprasetter A52/A75 with Auto Top Loader (ATL) for automated plate imaging.

Outstanding technology in a compact design.
The compactness of Suprasetter for small and mid-size formats is unrivalled. While the base unit has an impressively minimal footprint, a Suprasetter with an added plate loading system is the smallest thermal platesetter in its class – by far.

High-end technology. A Suprasetter A52/A75 operates with the same tried and proven laser technology as all other models in the Suprasetter family. This means the imaging quality of the entry-level models is just as outstanding as that of the larger format classes.

Suprasetter A52/A75 size comparison

← 800 mm (31.50 in) →← 800 mm (31.50 in) →

1,200 mm (47.24 in)

Euro palett

← 1,550 mm (61.02 in) →

1,218 mm (47.95 in)

Suprasetter A52/A75

The footprint of a Suprasetter A52/A75 is the equivalent of two Euro-pallets lying side by side.

Investment security. The Suprasetter A52/A75 is available in 2 different throughput speeds. If required, there is an option for upgrading the systems for higher throughput at a later date. The options Auto Top Loader (ATL) or Dual Top Loader (DTL) turn a manual Suprasetter A52/A75 into a full automated platesetter with slip sheet removal. These plate loading modules can be easily installed on the base unit. An additional integrated loading unit means that Dual Top Loader (DTL) can change between two different plate formats fully automatically. Investing in an ATL or a DTL pays off within a short space of time, since these versions operate mostly unattended.

Configurable for conventional, processless and chemical-free thermal plates. There are various options for configuring the Suprasetter A52/A75 for conventional, processless and chemical-free thermal plates. A Suprasetter A52/A75 has the right configuration for every type of plate. An online processor can be integrated for conventional thermal plates, a clean-out unit for chemical-free thermal plates or a plate stacker for processless thermal plates.

Operational within a day. Plug and play makes a Suprasetter A52/A75 fully operational within a day. As soon as the platesetter has been unpacked, installed and the operator has been given a brief introduction, plate production can begin.

Low in energy consumption – high in eco-friendliness. The Suprasetter A52/A75 has the lowest energy consumption in the small-format thermal platesetter class. Not only that, it also produces the least heat, which also has a positive impact on the energy balance, since no extra air conditioning is required for ambient temperatures up to 30 °C. Overall energy requirements are minimal, which leads to long-term savings in costs, and at the same time is highly environmentally friendly.

Suprasetter A106/106/106 UV: Premium Performance for the Mid-size Format. Modular for Growing Demands, Flexible in Handling All Types of Printing Plates.

Suprasetter ensures maximum flexibility in production.

A Suprasetter grows on the job. Featuring the uniquely reliable Heidelberg laser technology, the Suprasetter A106/106 produces outstanding quality with maximum production reliability. The Suprasetter in this class stand for maximum flexibility when it comes to plate handling, plate format and plate types, punching and the level of automation.

There are a wealth of configuration options. The spectrum ranges from the manual base model to a configuration with fully automated operation, from the Auto/Dual Cassette Loader (ACL/DCL) to the highly productive Multi Cassette Loader (MCL).

Automation with ACL/DCL and MCL. In the 106 format class, an ACL/DCL or an MCL feeds the plates into the platesetter, so production can run without any interruptions even overnight. Imaged plates can be automatically forwarded to an online processing unit connected to the Suprasetter and stacked by the Stacker.

Minimal footprint. The number one priority for an Auto/Dual Cassette Loader is flexibility, production reliability and its footprint. The ACL works with one plate cassette, the DCL with two plate cassettes for different plate formats and plate types. The loading system can hold up to 110 plates with a plate thickness of 0.3 mm and even up to 190 plates with a plate thickness of 0.15 mm in one plate cassette. The cassette trays and a conveyor belt are integrated into the system, reducing the space the platesetter needs. A rotating table is also available as an option. This table can turn the imaged plates 90° on the conveyor belt. Output in portrait format means you can use a processing unit in 85 cm format. Using a smaller processing unit reduces your overall investment in the CtP system, while also using considerably less chemicals and energy.

Maximum automation. The MCL can be controlled online with up to four cassettes and a maximum of 600 plates. The operator can choose whether he wants all the cassettes to be loaded with plates in one format or whether each cassette should contain a different format. This plate capacity enables continuous operation for several hours without having to refill the cassettes. The cassettes are selected fully automatically according to the job.

Smart Plate Handling.
The Suprasetter A106/106/106 UV offers maximum convenience in plate handling at every configuration level. What makes it so convenient is, in contrast to other CtP systems, that a loading system can be docked into the back of the Suprasetter. This leaves the plate table freely accessible for manual loading, which is a great advantage over conventional systems – especially when such systems only allow restricted bypass operation. Fully automatic and manual production do not cancel each other out – in a Suprasetter A106/106/106 UV both systems can be used without compromise.

Temperature stabilizer. The temperature for all imaging-relevant components is maintained at a constant level. This means the printing plates are always imaged under exactly the same conditions, something that pays off especially when remaking plates. Material-induced fluctuations are avoided and precise register accuracy is maintained for all printing plates, which is vital for rapid inking-up of the press and minimizing waste.
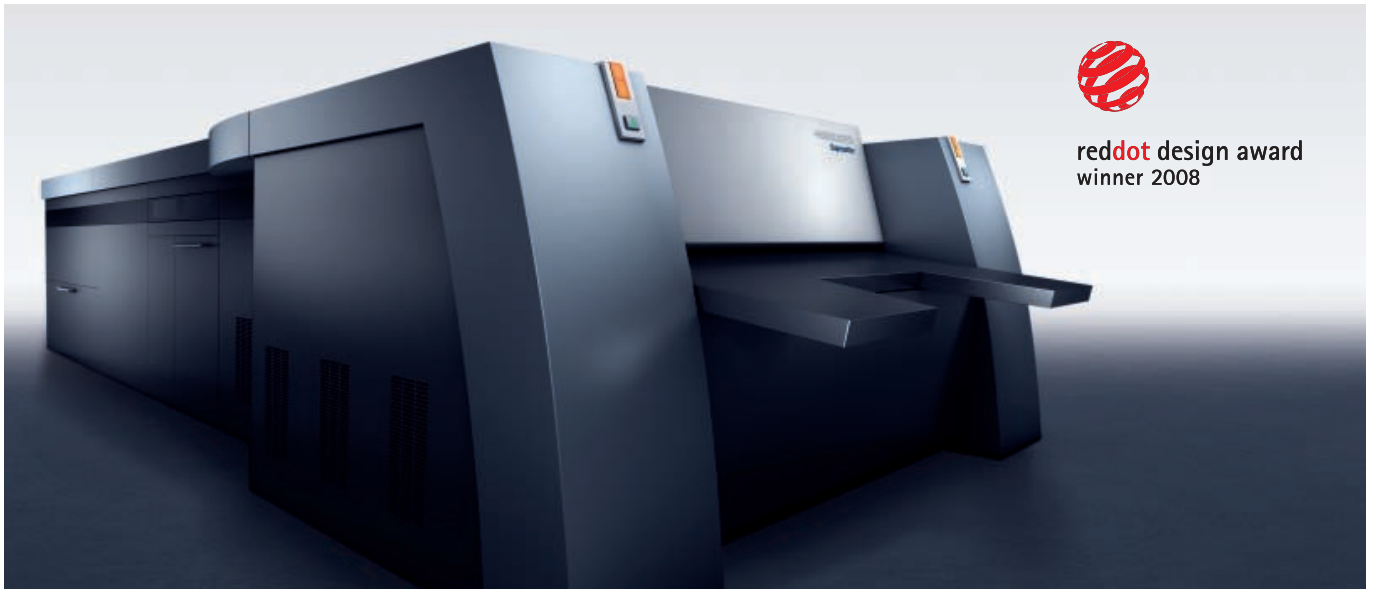
Suprasetter A106. The Suprasetter A106 has been designed to make use of the Suprasetter family's technical advantages as well as its modular concept at a reasonable price. It has a single laser module and the plate imaging speed cannot be upgraded at a later date. The Suprasetter A106 operates without a temperature stabilizer.

Expansion of the Suprasetter family. With the Suprasetter 106 UV, Heidelberg presents the latest member of the proven Suprasetter family, which is able to process conventional, UV-sensitive printing plates reliably in highest quality. Due to the cooperation with Lüscher AG, the Suprasetter 106 UV is equipped with an experienced, high performance UV laser head, already well established on the markets. This stands for highest stability in platesetting and reliable productivity in printing. A combination of top technologies which has a lot to offer and an excellent alternative for customers with an extensive demand of plates to be produced.

Suprasetter 145/162/190: The Competent Partner for Large Formats. Tried and Proven Suprasetter Technology Creates Ideal Conditions for Fully Utilizing Capacity in the Pressroom.

Suprasetter 145/162/190: Reliable plate production – even for especially complex jobs.

The Suprasetter 145/162/190 have been awarded the "red dot" for top design quality that outstandingly communicates innovation in form and function.

Tried and proven quality and reliability for large formats. The Suprasetter 145/162/190 for large formats are based on a technology that has already proven itself thousands of times over in this CtP family. This technology includes above all the outstanding lasers from Heidelberg with their patented Intelligent Diode System. Further features include the deep depth of focus for optimal production, the internal temperature stabilization system and the unique ease of operation. These large-format platesetters also set new standards in their class when it comes to quality, reliability, flexibility and ease of use.

Its uniquely modular design enables the imaging system to be configured according to the print shop's requirements, so the print shop can select the number of lasers and the optional punching system, as well as the number of plate loading units. The configuration can also be upgraded at a later date. The system is upgraded directly on site and production can be restarted with additional functions within a very short space of time.
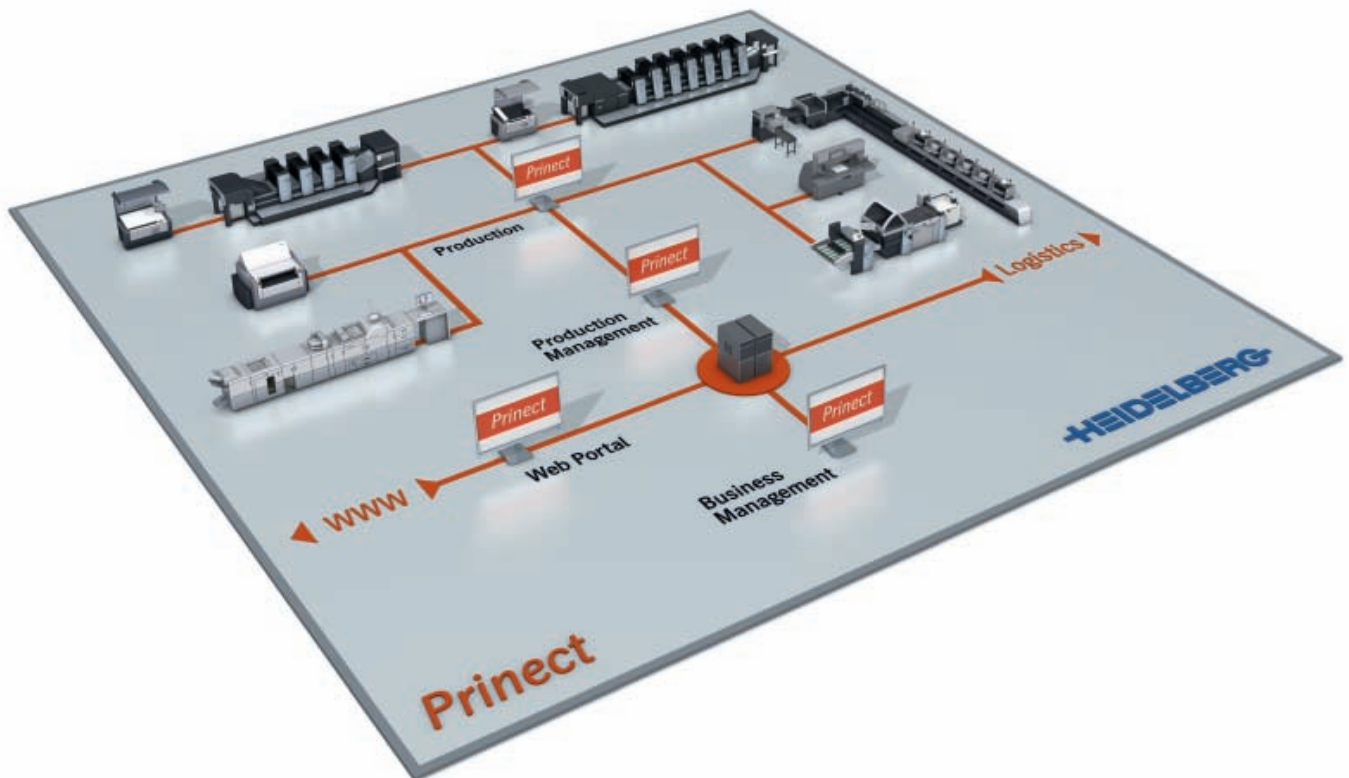
Maximum flexibility in plate types and formats. The Suprasetter 145/162/190 are impressively flexible, both in plate formats and plate types. The fully automated loading unit can hold up to six different formats, each with 100 plates. An overall volume of 600 printing plates and automatic selection of the correct plate type ensure that plate production is highly efficient. Another extra: even when in automatic mode, individual plates can be loaded into the platesetter manually.

Maximum punching precision and flexibility. The Suprasetter 145/162/190 can be fitted as an option with a highly accurate internal punching system that delivers printing plates with maximum register accuracy. This sustainably reduces makeready times at the press and minimizes waste. Additional punching systems can be installed on site at any time later on.

Prinected. Naturally Suprasetter 145/162/190 can be easily integrated into the Prinect print shop workflow. This means all the other services from Heidelberg's print shop workflow can also be used to optimize processes and sustainably boost productivity. Suprasetter 145/162/190 can also be integrated into third-party workflow systems with the aid of Prinect Shooter.

Prinected. Integration with Prinect Optimizes your Processes – and Boosts Quality and Cost-effectiveness Permanently.

Prinected. Prinect is the operating system for your print shop and your gateway to integrated print production. Prinect combines production with management processes in one workflow – for optimized processes and increased cost-effectiveness in your print shop.

Active control of the print process on the basis of reliable data. Cost-effective efficient print production starts with job acceptance and costing, continues through prepress and press, and culminates in post-press and invoicing. Only when you know all about the current status of a job, can you make decisions based on sound data, and actively control processes.

You can produce print jobs in no time at all, while keeping quality and costs under control, even if unscheduled changes become necessary.

End-to-end transparency for fast decisions. Prinect is based on the universal data format JDF. This makes individual work processes transparent and enables across-the-board control of the print shop. All involved in the process work on just one set of data, a centralized JDF document – a digital job bag containing all the information on the job.

Maximum automation and direct control in prepress.
Prinect automates processes that previously have been carried out manually, speeding them up and minimizing errors. Users are freed up from routine tasks, yet still retain complete control at all times. If necessary, they can still intervene and regulate.

Prinect Prepress Manager™ for maximum productivity.
Prinect Prepress Manager in combination with Prinect Renderer ensures fully automatic processing of print jobs through to plate output. Naturally, this automatic process can also be interrupted at any production stage, if required. While automation boosts productivity in conventional prepress enormously, its greatest benefits come into play when it is teamed with a webshop such as Prinect Web-to-Print Manager. The print buyer uploads his data to the webshop and Prinect Prepress Manager processes the files fully automatically as far down the line as plate output, without any manual intervention at all.

Prinect Renderer operates with the latest version of Adobe® PDF Print Engine. Almost all documents with transparent levels that previously required flattening in an upstream process can now be directly processed in Prinect Renderer. This saves not only time but makes multiple use of the original document, for example for cross-media publishing, much easier.

The Suprasetter can also be integrated into the Prinect workflow via the conventional RIP solution Prinect MetaDimension. A dedicated workplace can also be set up for organizing plate output with Prinect Shooter.

Free choice of screening processes. Prinect operates with all screening processes, from the classic amplitude-modulated (AM) screening to frequency-modulated (FM) screening through to hybrid screening. This system versatility ensures that an optimal screen can be selected for all customer configurations – plates, imagesetters, paper and presses. You can also combine various screening processes within a PDF document so that individual text, images and graphic objects can be processed using the best method. Only the screening methods integrated in Prinect are available for selection in the PDF. This helps prevent incorrect settings. Object-specific screening improves print quality, producing very high quality results.

Plate on Demand – initiating plate production directly from the press control console. When fully integrated in Prinect, plate production can be easily initiated at the press control console at any time. This so-called Plate on Demand application enables the operator to start plate production at the press without any specific prepress know-how by selecting the plate to be imaged from a list on the touchscreen. At just a press of a button he can start the initial run or, if a plate is faulty, instigate a plate remake, ensuring smooth production day and night.

Heidelberg Services.
Boosting Your Performance.

Heidelberg Services offers a comprehensive portfolio extending from technical and machine-based services to coordinated consumables and a wide range of training and consulting services. All the services are designed to help print media companies strengthen and expand their performance and competitiveness in the long term.

Technical services and consumables. Stable production and maximum machine availability lay the foundation for efficiency and top performance. That is why Heidelberg Systemservice® offers service packages for all aspects of the press, service parts service, and technical support. These offerings include preventive machine maintenance concepts with Remote Services, round-the-clock access to the global Heidelberg network of experts, on-site support, and the supply of Original Heidelberg Service Parts. Selected consumables help improve productivity and performance

considerably, while also ensuring you benefit from consistently high print quality. Saphira® consumables from Heidelberg provide a broad range of perfectly coordinated products that are tested to make sure they meet all the requirements.

Improving efficiency with Performance Services.
This service segment covers productivity and process optimization and incorporates the Prinect® print shop workflow and employee and company development. It looks beyond the pressroom to focus on the company as a whole, with the aim of increasing sales and/or cutting costs through higher efficiency and enhanced productivity. Crucial factors include lean processes, the ability to stand out from the competition, and innovative ideas for new, profitable areas of business. The portfolio for this segment is further complemented by services relating to the sale of remarketed equipment.

Productivity optimization. To ensure maximum productivity coupled with top quality, Heidelberg experts identify potential for improvement in your print shop. Fitness checks are used to ensure that your equipment is in the best possible condition. With Print Color Management, you can shorten makeready times and cut waste while maintaining the same high print quality.

Process optimization. This service from Heidelberg helps optimize the coordination of your processes – and makes sure your efforts pay off. To this end, we analyze your processes, develop measures for improvement, and train your staff. The Prinect print shop workflow combines all the production processes from prepress to postpress with print shop management and thus ensures lean, fully integrated corporate processes. This renders each individual process transparent, thereby enabling efficient end-to-end management of all processes at any time. Services related to color management with Prinect provide support for everything from the calibration of plate-setters and the printing of test forms to the correct use of color measuring systems and color profiles and precise implementation of the key principles behind Print Color Management. This helps cut your workload and boost your profit.

People development. A print shop is only as good as its employees. The training and advisory services of the Print Media Academy (PMA) ensure your specialists and managers acquire comprehensive expertise. The training programs and seminars offer employees and managers the chance to boost their strategic know-how with the aim of realizing your full entrepreneurial potential and maximizing your competitive edge.

Business development. Heidelberg consultants work with you to analyze the strengths and weaknesses of your company, identify potential for improvement, and then derive the optimum market positioning strategy. The key is to utilize promising industry trends, e.g. web-to-print, that dovetail with your own business model. The management consultants also help to redefine marketing and sales strategies, improve controlling and financing know-how, and ensure investment decisions are made on a sound basis.

Equipped for the future with Heidelberg. The portfolio of Heidelberg Services provides print shops with far-reaching support to set the course for future success. The experts of Heidelberg Services offer a broad range of specialist know-how in the search for solutions – from machine-based services to management consultancy.

Heidelberg Services

Technical services and consumables: For stable production and maximum availability. • **Productivity optimization:** For maximum productivity and top quality. • **Process optimization:** For efficient production processes from a single source. • **People development:** For comprehensive expertise throughout the company. • **Business development:** For successful business and higher profit.

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

Subject to technical modifications and other changes.