



PREPRESS

PRESS

POSTPRESS

# Topsetter 102

The high performance recorder  
for maximum CtP production

**HEIDELBERG**

**Full utilization guaranteed** • If you want to make full use of your press' capacities you should choose a CtP recorder, the unit which is setting new standards in terms of speed, reliability and flexibility. The Topsetter 102 meets all these needs – and does so in superb quality.



The Topsetter 102 can be expanded in line with your needs – with quality guaranteed at every stage.

**CtP can also be your success story. That's a certainty**

Heidelberg® has made Computer-to-Plate one of the market's great success stories. Today virtually all presses working around the clock are fed with plates from CtP recorders. The great advantage of this is that consistently high output on consistently good plates uses the press' capacities to the full. To remain profitable despite increasing numbers of ever smaller jobs, large-scale printers are crying out for more automation in plate production. And now they can have it – the Topsetter® 102 maximizes flexibility, quality and reliability, while also offering a quite unique level of automation, particularly in general commercial printing.

The Topsetter 102 is versatile in every respect. In its basic configuration it can be used as a manual machine that can be upgraded by new modules when circumstances change. The top configuration is fully automatic with an interfaced online processor and a processing capacity of up to 500 plates in five different formats between 650 × 550 mm and 1,160 × 940 mm. The Topsetter 102 comes into its own wherever top productivity is needed – and not just in the printshops themselves, but also in the service businesses supplying these printshops.

The external drum construction and high-precision 32-channel laser head deliver excellent quality. The optical system is also extremely easy to maintain, since the laser diodes can be replaced individually.

**Top performance every time** • The Topsetter 102 puts previous CtP figures in the shade. Its convenient and reliable automatic features enable plate production for a complete shift without user intervention. Exactly the partner you need for presses that work round the clock.

**A unique spectrum of features. High-tech in every detail**

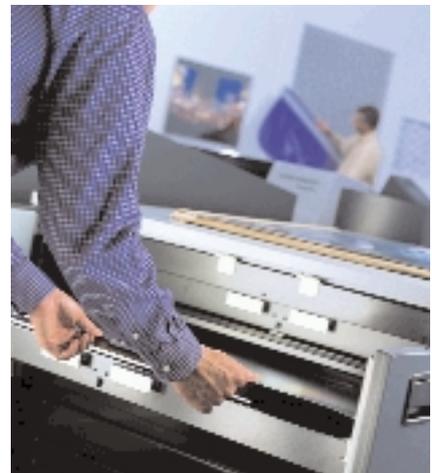
The Topsetter 102 delivers top productivity in both 4- and 8-page formats. What is more, it is perfectly tuned to the Speedmaster® SM 102 high-performance press. It can produce twelve print-ready, punched plates per hour in a maximum format of 2.400/2.540 dpi, and not even be out of breath. It has a total of five resolutions between 1.200 and 4.000 dpi to satisfy your every quality need.

All popular 830-nm-sensitive thermal plates are imaged with the precision you would expect of CtP technology. And all this in daylight operation – thermal technology makes darkrooms a thing of the past.

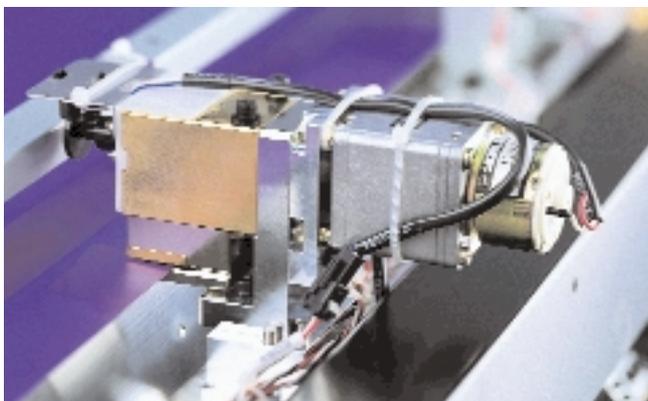
The high automation of the fully expanded Topsetter 102 is naturally ideal in large printshops where presses work round the clock – you can rely on the Topsetter 102 keeping up with the pace.

In small and medium-sized printshops it can be used as a manual recorder with a highly practicable loading table. While one plate is being imaged, the next one can be loaded. The manual recorder can be scaled up to a fully automatic unit with ease – and that whenever you want.

The Topsetter 102 can be upgraded to an automatic multi-cassette unit with capacity for up to 500 printing plates.



**Absolute register accuracy** • The Topsetter 102 comes with optional automatic punch – and maximum productivity – built in. Its precision makes register errors a thing of the past. Make-ready times on the press are slashed and waste levels cut.

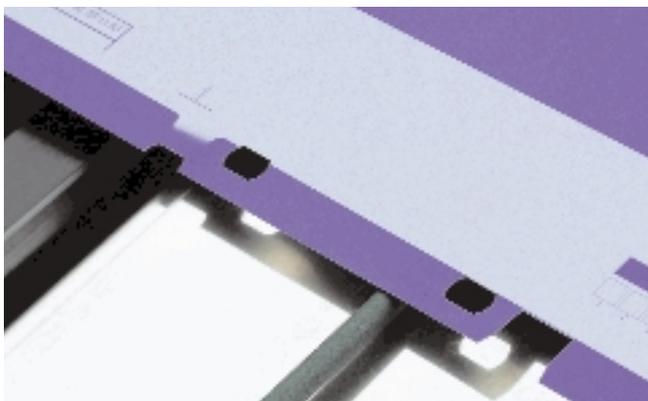


**Ultra-modern punching technology.**

**Not an error in sight**

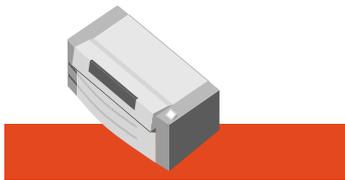
Register accuracy is essential in color printing. To ensure that register errors truly are history, the Topsetter 102 can also be fitted with three integrated punching systems. After the printing plate is loaded, it is centered and punched automatically for the specific press – only then is imaging performed (relative to the punch holes). The result is perfectly precise color sets and reprints, shorter makeready times and a shorter runup to production speed.

In addition to the standard punching systems available for Heidelberg and other printing presses, you can also have your own punches integrated. Up to three punching systems can be installed in parallel. This gives service companies in particular the added benefit of supplying different customers – with reliability guaranteed. The Bacher 2000 System is also available (optional) for plate edging.



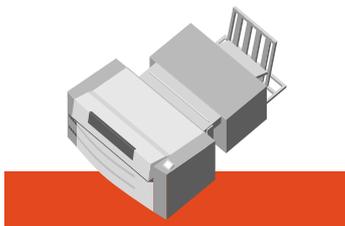
The punching technology can also be expanded (optional) to ensure complete register accuracy for color sets – a feature built into even the standard model.

**Systematic expansion** • The Topsetter 102 is available in modular configurations that are unique on the 8-page CtP market. You determine the level of expansion and integration in your environment. You can also scale up to a higher capacity later with ease.



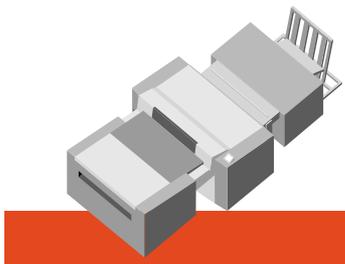
#### **Standard model**

The plates are loaded and unloaded manually using separate loading and unloading tables. While one plate is being imaged, you can already be loading the next plate and saving valuable time. The plates can also be punched automatically (optional).



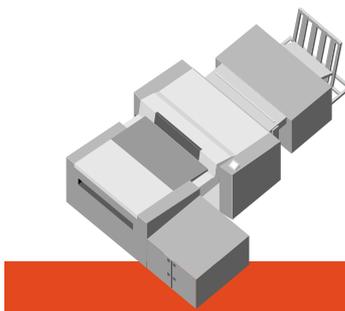
#### **Semi-automatic mode**

The plates are loaded manually. After a plate has been imaged, it is fed automatically via an optional conveyor to the interfaced online processor. The plates can also be punched automatically (optional).



#### **Automatic mode with one cassette**

The printing plates are loaded automatically from a cassette holding 100 single-format plates. The slip sheet is removed as part of this process. The punched and imaged plates are fed automatically to the online processor. Manual operation (bypass mode) is also possible.



#### **Automatic mode with multiple cassettes**

The printing plates can be loaded automatically from three, four or five cassettes, each holding 100 single-format plates. This means that 500 plates are available online in five different formats.

**Optimum workflow solutions** • Make rapid data availability and transfer the heart of your success. Heidelberg gives you two alternatives in the form of Delta Technology and Prinergy which you can use – depending on your system environment and requirements profile – to select the ideal solution for your digital management.



What counts is access to data in every work phase and from all locations.

#### **Delta Technology – the complete system**

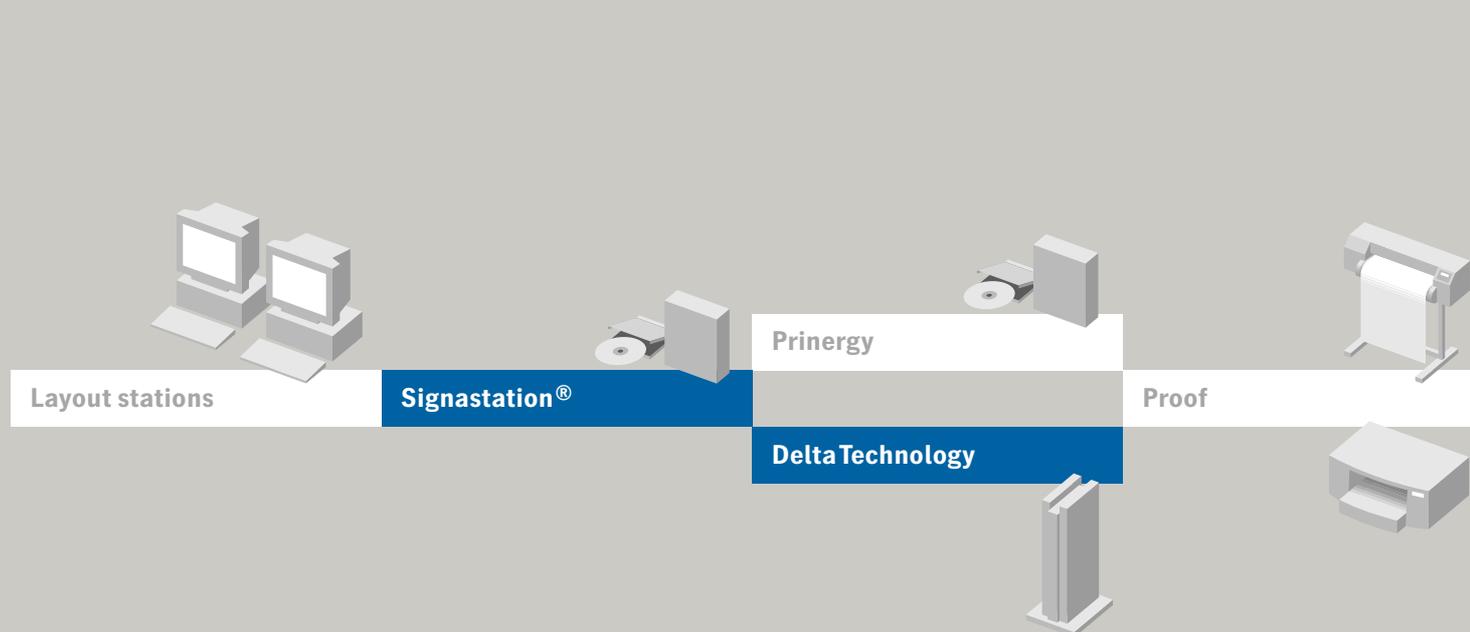
Delta<sup>®</sup> Technology will make your workflow faster and more flexible, since it enables different functions to be combined in automatic workflows. In addition to print spooling, image management and OPI services, Delta Technology also supports additional options such as trapping, proofing, impositioning on Delta lists, and offline production. Delta Technology prepares the RIP data for the Topsetter and screens it using high-quality I.S. Screening<sup>™</sup>. Diamond Screening<sup>®</sup> and Mega Dot can also be used. The principle advantage of Delta Technology lies in its R.O.O.M. concept, where data once RIPped can be used for both proofing and imaging. This not only saves you valuable time, but also boosts reliability, since there is no need for additional RIP runs.

#### **Prinergy – the PDF workflow management**

Prinergy<sup>™</sup> sets new standards, since it implements Adobe<sup>™</sup> Extreme<sup>™</sup> Technology with PDF 1.3 and Adobe portable job tickets consistently and thoroughly. After the data has been imported in its many different formats, it is converted to PDF. This is then followed by a full range of processing operations including trapping, Color Management, proofing, impositioning, output and archiving solely (exclusively in the compact PDF data format). PDF dramatically cuts the quantity of data otherwise required by PostScript<sup>™</sup>, thereby shortening production times and cutting costs.

Another unique feature is the fact that work steps are combined into process plans which are then executed automatically in job ticket processors. For example, pre-flight check and correction, normalizing, trapping, Color Management, spot color management and page proofing are all executed in a single operation. No manual intervention is required. Equally unique is the integrated database. This makes the digital prepress process entirely transparent and creates the ideal basis for efficient production planning and teamwork. Prinergy also lets you send jobs as a function of the processing status, but also to assign job priorities.

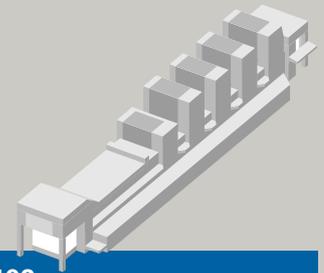
# The CtP workflow with optional fully-automatic features



## Technical data

Basic unit	8-page-platesetter with external drum
Handling	manual (standard), semi-automatic, fully automatic (single cassette), fully automatic (multiple cassettes)
Media	Infrared-sensitive aluminium thermal plates
Dimensions (W × H × D)	Basic machine 2,400 × 1,260 × 1,260 mm Fan unit 656 × 540 × 656 mm
Weight	Basic machine 1,000 kg, fan unit 85 kg
Plate format (W × H)	Max. 1,160 × 940 mm / Min. 650 × 550 mm
Imaging area (W × H)	Max. 1,160 × 910 mm
Plate thickness	0.20 to 0.30 mm
Laser type	32 infrared diodes (830 nm, 1W/diode)
Resolution	1,200 / 2,000 / 2,400 / 2,540 / 4,000 dpi
Repeatability	± 5 µm for four successive imagings at 23°C and 60% relative humidity

Productivity	12 plates / hour / 2,400 dpi, 12 plates / hour / 2,540 dpi; depending on plate type
Ambient conditions	21°C to 25°C (recommended), operating temperature: 18°C to 26°C, 40 to 70% relative humidity
Power supply	200 – 230 V AC, 4 kW, 7.5 A (basic unit), 10 A (fan unit)
Options	Conveyor to online processor, single cassette loader (100 plates), incl. slip sheet removal, multi-cassette loader (3 – 5 cassettes, each with 100 plates), internal punch (max. three pairs)
Approvals / conformity	GS, UL, cUL, GOST / CE, FCC, VCCI, CDRH, ACN

**Topsetter 102****Printing plates****Speedmaster SM 74****Speedmaster SM 102**

The Topsetter 102 gives you the option to automate your workflow whenever you want and as much as you want – and thereby boost your production when your needs dictate.

The Topsetter 102 can be integrated easily into your production flow regardless of your printing system's configuration or load.

# Heidelberg – Solutions for the Entire Printing and Publishing Business • Our commitment is to being the best partner to the graphic arts industry, offering forward-looking solutions. Worldwide – Heidelberg is where your needs are met.

Our focus: the customer. Heidelberg provides custom-designed printing solutions for large and small companies.



Borders are dissolving. And that is why the Heidelberg Group has evolved into a global player for modern print solutions. But also within the world of printing, borders are rapidly vanishing. The previously separate realms of

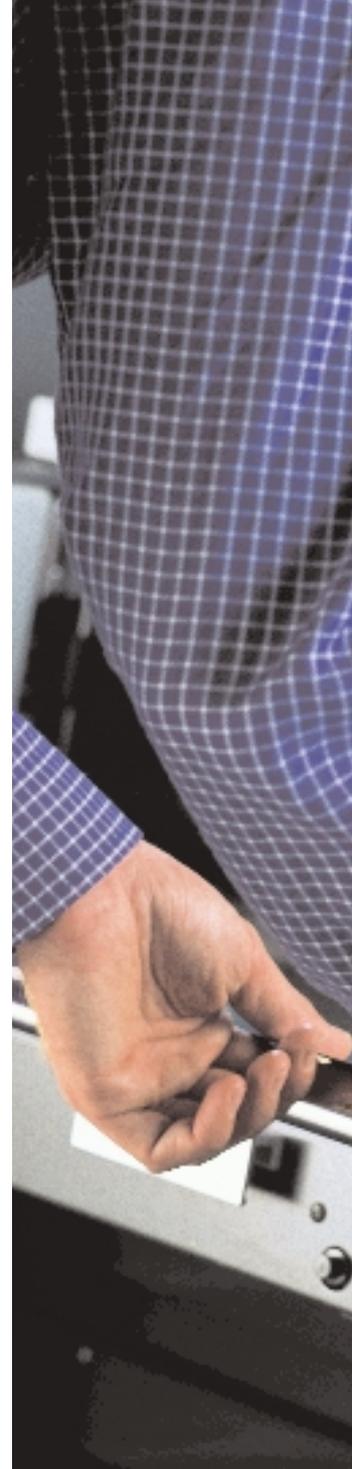
prepress, press and postpress are increasingly merging within the scope of integrated solutions. Heidelberg has played a central role in driving this dynamic process. And our goal is still to play a leading part in shaping the future of the graphic arts industry.

By establishing the Print Media Academy, Heidelberg is providing the global graphic arts community with a unique center for sharing knowledge.

Customer focus is our policy. No matter whether we are dealing with family-run operations or large corporations – our modular components offer them tailored solutions ranging from individual products to entire workflows. Heidelberg covers every stage of the print process chain with products and services that define the future of the graphic arts. Our customers can count on having a competent, reliable partner ready to support them in all areas – 365 days a year, from 250 sales and service centers worldwide.

By establishing the Print Media Academy, we have created an international center for innovation, communication and training that not only covers classical training of printers and mechanics, but also blazes new trails by offering an advanced course for print managers.





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### Imprint

Printing date: 01/01

Printing plate production: CtP

Printing: Heidelberg Speedmaster®

Fonts: Heidelberg Antiqua®, Heidelberg Gothic®

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