



PREPRESS

PRESS

POSTPRESS

# Topsetter 74

Greater flexibility in CtP production

**HEIDELBERG**

**Top performance in CtP** • Designed to meet the high requirements of medium-format printing, the Topsetter 74 gives you optimum flexibility. It is the ideal partner for presses where small runs mean frequent order changes. And it can also be upgraded to a fully-automatic unit using additional modules.



The Topsetter 74 can be upgraded on-site – new modules being added to give you a top-productivity, fully automatic system.

**CtP solution for A2 format. A sound future built in**

Higher printing plate throughput and reduced operating costs are the ideal incentives for changing to computer-to-plate – a fact which is not limited to general commercial printing. With today's small runs, profits are only possible if the automated prepress stage can supply excellent quality plates quickly. In choosing a CtP solution, you should therefore scrutinize the cost-effectiveness of your investment and your quality requirements. In particular, you should check whether your CtP system is also well-equipped to meet future needs. The Topsetter® 74 can

satisfy all these points with flying colors. The Topsetter 74 images thermal plates in formats 324 × 394 mm to 830 × 645 mm and therefore has the flexibility to be used for both 2- and 4-page work. What makes it so unique is the fact that it can be expanded stage by stage from manual operation to a fully automatic system. Integrated into the efficient Heidelberg® workflow, it offers you a secure future from day one.

## Top marks for speed and quality • The Topsetter 74 is top of its class since it offers an unbeatable price/performance ratio at every configuration level. A fact that pays handsome dividends.

### High performance you can count on. Reliability built in

The Topsetter 74 can be used for all format sizes in the A3 and A2 ranges and is therefore ideal for all presses from the Printmaster QM<sup>®</sup> 46 and the GTO<sup>®</sup> 52 to the Speedmaster<sup>®</sup> SM 52 and SM 74. This makes it the perfect solution for small to medium-sized printshops and service businesses. The external drum construction combined with high-precision 32-channel laser head delivers excellent quality from the outset. The optical system is also extremely easy to maintain, since the laser diodes can be exchanged individually.

The Topsetter 74 images standard thermal plates with a sensitivity of 830 nm, and supports five resolutions between 1,200 and 4,000 dpi. You can therefore be confident of handling your every customer's wish. The point precision so typical of CtP coupled with Heidelberg's award-winning screening technology means you can rely on optimum results and outstanding quality.

The superior productivity of the Topsetter 74 will start reaping rewards even in the standard version, since the unit employs an excellent solution for manual plate loading. Separate loading and unloading tables are provided. While one plate is being processed, the next can be loaded. As a fully automatic unit, the Topsetter 74 can process up to 300 plates from the various cassettes and automatically removes the slip sheets. It is therefore ideal for handling the entire plate production for a complete shift without need for operator intervention.

One of the main reasons for the high throughput is the high imaging speed. In maximum format and with a resolution of 2,400 or 2,540 dpi, the Topsetter 74 can image 16 plates per hour. And all this in daylight operation – thermal technology makes darkrooms a thing of the past.

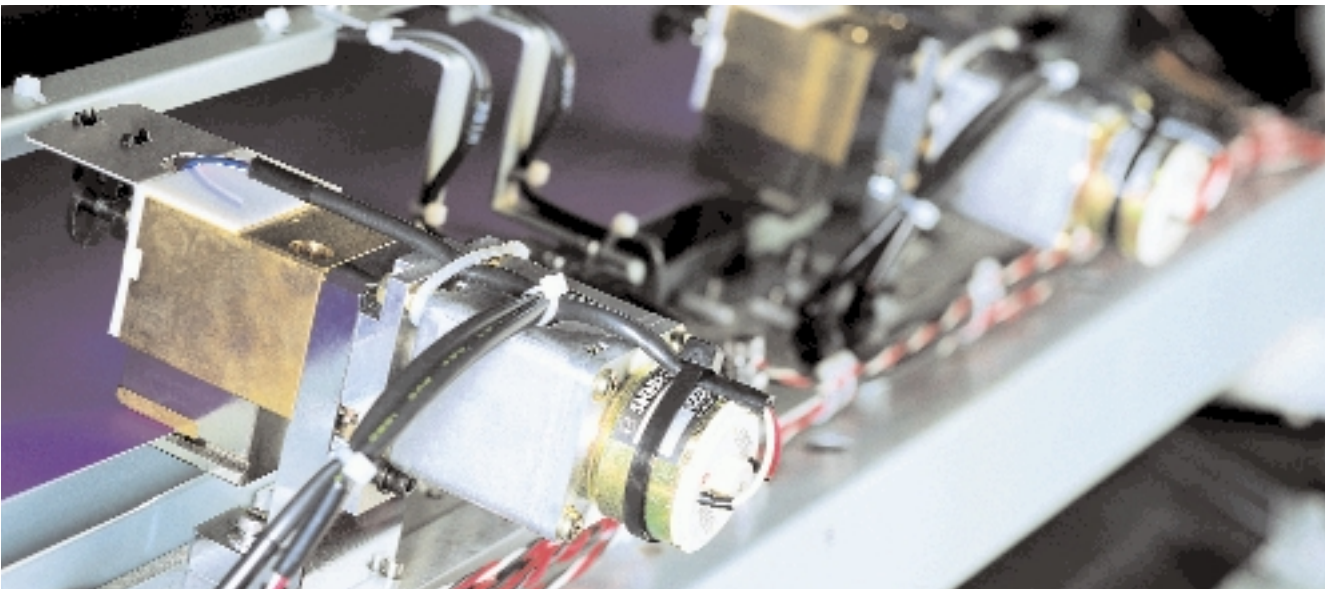


The Topsetter 74 satisfies even the most discriminating needs thanks to its range of resolutions.

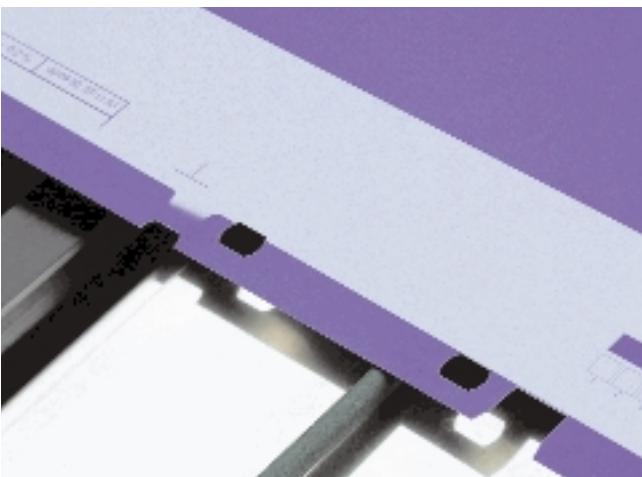
The Topsetter 74 is backed up by Heidelberg's vast CtP know-how. This is what helps make the CtP recorder so powerful and also so superior in its functionality and efficiency.



**Exceptional register accuracy** • The precision punching of the Topsetter 74 gives you all the quality you need. Register errors are a thing of the past thanks to the integrated automatic punch. Makeready times on the press are slashed and waste levels cut.



The fully automatic, integrated punch maximizes register accuracy and cuts press makeready times.

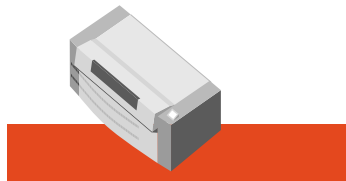


The Topsetter 74 delivers perfectly punched plates for your press.

**Ultra-modern punching technology. Not an error in sight**

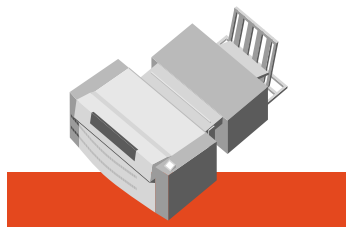
Register accuracy is essential in color printing. To ensure that register errors truly are history, the Topsetter 74 can also be fitted with two integrated punching systems. After the printing plate is loaded, it is centered and punched automatically for the specific press – only then is imaging performed (relative to the punch holes). The result is perfectly precise color sets and reprints, shorter makeready times and a shorter runup to production speed.

**Systematic expansion** • The Topsetter 74 is available in modular configurations that are unique on the 4-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.



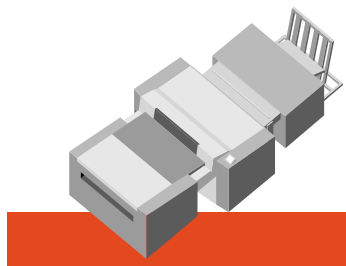
#### Standard model

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).



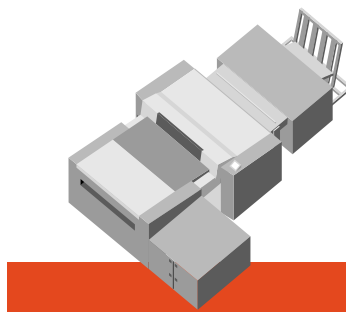
#### Semi-automatic mode

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 cassettes, each with 100 plates of the same format. This means that 300 plates are available in three 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**

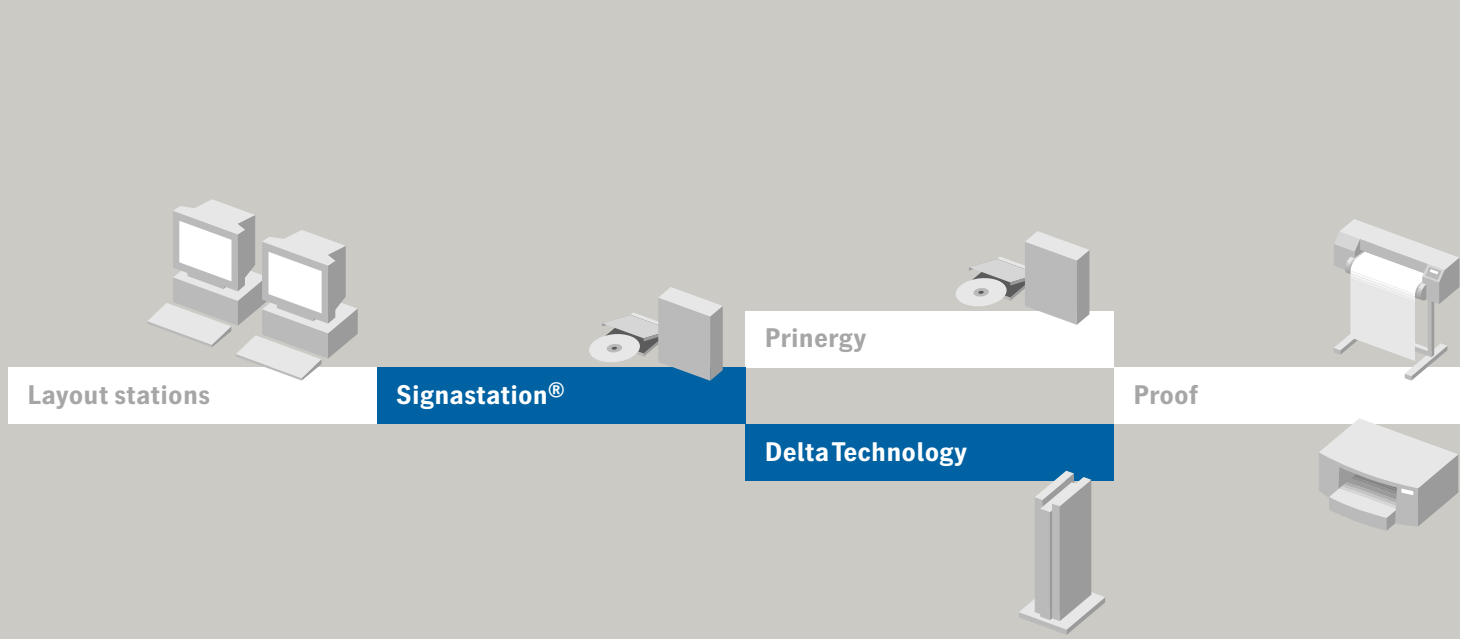
Delta<sup>®</sup> Technology will make your workflow faster and more flexible, since it enables different functions to be combined in automatic workflows. In addition to print spooling, image management and OPI services, Delta Technology also supports additional options such as trapping, proofing, impositioning 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, preflight 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 ideal gateway to the CtP workflow



## Technical data

Basic unit	4-page platesetter with external drum
Handling	Manual (standard), semi-automatic, fully automatic (single cassette), fully automatic (multiple cassettes)
Media	Infrared-sensitive aluminum thermal plates
Dimensions (W × H × D)	Basic machine 1,750 × 1,178 × 1,030 mm Fan unit 600 × 360 × 429 mm
Weight	Basic machine 630 kg; Fan unit 30 kg
Plate format (W × H)	Max. 830 × 645 mm; min. 324 × 394 mm
Imaging area (W × H)	Max. 830 × 615 mm
Plate thickness	0.15 bis 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

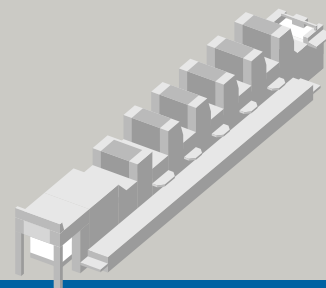
Productivity	16 plates / hour / 2,400 dpi, 16 plates / hour / 2,540 dpi; depending on plate type
Ambient conditions	21°C to 25°C (recommended), operating temperature: 18°C to 26°C, 40 to 70 % relative humidity
Power supply	200 – 230 V AC, 3 kW, 15 A (basic unit); 10 A (fan unit)
Options	Conveyor to online processor, single-cassette loader (100 plates) incl. slip sheet removal, multi-cassette loader (3 cassettes, each with 100 plates), internal punch (max. two pairs)
Approvals / conformity	GS, UL, cUL, GOST / CE, FCC, VCCI, CDRH, ACN



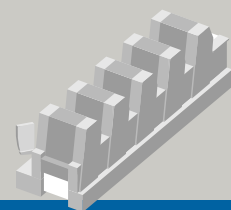
**Topsetter 74**



**Printing plates**



**Speedmaster SM 52/74/102**



**Printmaster QM 46/GTO 52**

The Topsetter 74 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 74 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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