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Evolve with your UV-Setter. The platform is designed to be modular, enabling you to add automation, punch or cassette modules to an original system at any time. The UV-Setters are very easy to use, and you will soon be exposing full-bleed plates or several plates of different formats together on the flatbed. More than 60 UV-sensitive plates from 15 different manufacturers have already been tested and approved for use on our UV-Setters. The imaging quality of the UV-Setter is recognised as exemplary: the square pixels from nearly any workflow are easily exposed 1:1 onto the printing plate. The capacity of the automation modules is similarly state-of-the-art, with cassettes holding up to 500 plates. You can work under daylight conditions, and can therefore offer an attractive working environment. Just another example of the perfect integration of the UV-Setter. As an open system with a 1-bit TIFF interface, and with its compatibility to standard processors, it is more cooperative than any possible alternative. Just remember that, over the process as such, UV-sensitive printing plates are the most ecological, most stable and, last but not least, the fastest printing plates in the world. Take advantage of the Punch Graphix expertise: the UV-Setter concept has been around for as long as the CTcP process itself. That is a unbeatable technology lead!



basysPrint, a strong brand from Punch Graphix



Current basysPrint UV-Setter technology is an outcome of many years of experience and development. And now the UV-Setter is also benefiting from the technological know-how of Punch Graphix. Thanks to the concentrated collaboration of all locations and facilities in the Punch Graphix group, the basysPrint UV-Setter will meet even higher quality standards than ever before. What's more, you get a complete solution for your entire workflow from a single source. Benefit from the experience of over 1,500 installations worldwide!

Research, development and production at the facilities in Germany and Belgium.

Your partner:

Beyond graphic excellence

by **PUNCH** | graphix

Punch Graphix provides innovative, competitive and environmental friendly imaging and printing solutions for the global graphics industry. Under the basysPrint brand, Punch Graphix designs, develops and delivers mid to high-end imaging systems for offset prepress commercial markets. Under the Xeikon brand name, Punch Graphix designs, develops and delivers high-end digital colour printing systems, software and consumables for the commercial, document printing and industrial markets. Punch Graphix leverages successful graphic technology towards a higher level of maturity and performance to help its customers have an edge over the competition. With a clear-minded focus on R&D, Punch Graphix is solely dedicated to customer satisfaction and aims to deliver cost-effective graphic excellence that goes beyond all expectations.

basysPrint

How we **C** computer-to-plate:

Conventional

Cost saving

Consistent

Convenient



Serie
400

Serie
800

basysPrint. The CTcP standard.

by **PUNCH** | graphix

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CTP has never been easier

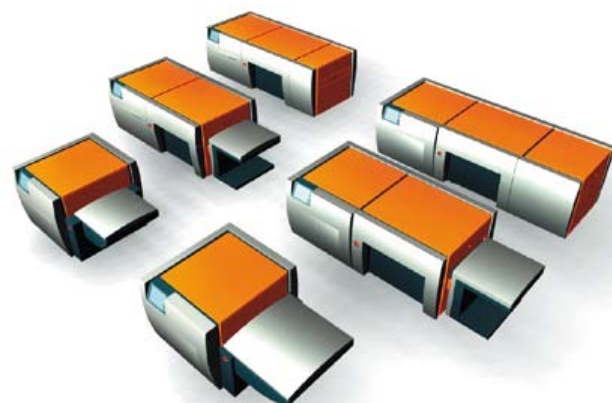


You want to experience uncomplicated and trouble-free CTP with ultimate process reliability? There's nothing easier than that! The basysPrint UV-Setter™ is the perfect machine for a cost-effective and above all unproblematic entry into the world of CTP, even when you change from a previous CTP system. Benefit from the wealth of know-how built up by the pioneer and market leader in the field of CTP for conventional offset printing plates.

The basysPrint UV-Setter exposes your tried and tested UV-sensitive printing plate. And that's more than innovative, because currently there is no better printing plate in the world. After all, you expect nothing but the best: a durable, economical and perfectly exposed printing plate.

With the UV-Setter series 400 and 800, you will optimize your return on investment. The two systems are designed for 4- and 8-page applications. Thanks to its modular platform, a UV-Setter is able to grow with your changing needs, and can be reconfigured and adapted to new operational requirements at any time.

In a nutshell: the basysPrint UV-setter is simple to integrate, fast to install, and easy to operate.



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UV-SETTER 440 SCA
UV-SETTER 840 SCA

Fully automatic system with single cassette

The fully automatic SCA version (Single Cassette Automation) can hold up to 100 plates of a particular format in a cassette. Further plate formats can be made available by way of an additional trolley. The SCA version can be expanded quickly and inexpensively at any time later should you wish to upgrade to a multi-cassette.

- Up to 100 plates in a cassette
- Manual operation possible, if necessary
- Fully automatic paper removal
- Optional automatic punching

UV-SETTER 440 MCA
UV-SETTER 840 MCA

Fully automatic system with multi-cassette

The MCA version (Multi-Cassette Automation) accepts up to five different plate formats and automatically supplies the required format for exposure.

- Up to 500 plates in max. 5 cassettes
- Manual operation possible, if necessary
- Fully automatic paper removal
- Optional automatic punching



That is just how good our new ones are

Serie 400 UV-Setter

UV-SETTER 440



UV-SETTER 440 SCA



UV-SETTER 440 MCA



	UV-Setter 440	UV-Setter 440 SCA	UV-Setter 440 MCA
Exposes conventional offset printing plates	■	■	■
Flatbed system with vacuum table	■	■	■
Imaging technology	DSI ² technology		
Number of exposure heads	1	1	1
Semi-automatic plate handling system	optional		
Fully automatic plate handling system		■	■
Number of cassettes		1	3/5
Punch (optional)		■	■
Maximal number of plates per cassette		100	300/500
Exposure speed in plate/h*	up to 15		
Screen rulings in lpi	max. 200 (RIP-dependend higher screens possible)		
FM screening	possible		
Maximum material format in mm	830 x 680 (32 5/8" x 26 3/4")		
Minimum material format in mm	manual: 200x200 (7 4/5" x 7 4/5"), automatic: 450x323 (17 5/8" x 12 5/8")		
Material thickness (Thickness in mil)	0,15-0,4 (6 till 15 mil)		
Maximal exposure format	Full bleed		
Approved plates	UV-N1 and other conventional plates		
Resolution dpi (resolution valid for all types)	1270, 1500, 2400		
Dimensions of exposure unit (W x D)	2340x1605 (92" x 63")	3670x1605 (145" x 63")	3770x1605 (149" x 63")
Height in mm	1330 (52 1/2")		
Electrical requirements	Single phase 230 V, 50/60Hz		

*measured on UV-N1 D2 @ 1500 lpi



Serie 800 UV-Setter

UV-SETTER 840



UV-SETTER 840 SCA



UV-SETTER 840 MCA



	UV-Setter 840	UV-Setter 840 SCA	UV-Setter 840 MCA
Exposes conventional offset printing plates	■	■	■
Flatbed system with vacuum table	■	■	■
Imaging technology	DSI ² technology		
Number of exposure heads	1-2	1-2	1-2
Semi-automatic plate handling system	optional		
Fully automatic plate handling system		■	■
Number of cassettes		1	3/5
Punch (optional)		■	■
Maximal number of plates per cassette		100	300/500
Exposure speed in plate/h*	up to 18		
Screen rulings in lpi	max. 200 (RIP-dependend higher screens possible)		
FM screening	possible		
Maximum material format in mm	1150x940 (45 1/4" x 37")		
Minimum material format in mm	manual: 200x200 (7 4/5" x 7 4/5"), automatic: 450x323 (17 5/8" x 12 5/8")		
Material thickness ((Thickness in mil))	0,15-0,4 (6 til 15mil)		
Maximal exposure format	Full bleed		
Approved plates	UV-N1 and other conventional plates		
Resolution dpi (resolution vaild for all machines)	1270, 1500, 2400		
Dimensions of exposure unit (W x D)	2660x1665 (105" x 66")	3975x1665 (156 " x 66")	4090x1665 (161" x 66")
Height in mm	1330 (52 1/2")		
Electrical requirements	Single phase 230 V, 50/60Hz		

*measured on UV-N1 D2 @ 1500 lpi



Nothing easier than that!



Conventional

There's nothing easier.

Conventional plates:

- Daylight conditions
- Wide process range
- Lifetime of the plate
- Proven plate technology

Plate variety for greater independence

The UV-Setters operate in the 360 – 450 nm wavelength range. As a result, you can choose from practically the entire range of UV-sensitive offset printing plates. Another advantage: conventional printing plates are widely available from all suppliers. The basysPrint UV-Setters are especially quick in exposing the negative-process plates as only the printing elements of the plate surface need to be exposed. 60 printing plates from 15 different manufacturers have already been tested on the UV-Setters, and this list is constantly growing. We would be pleased to provide information on whether your preferred plate type was tested and released.



Cost Saving

The UV-Setter makes CTP really cost-effective

- Plate cost
- Less chemistry

Benefits of CTcP

One of the benefits of CTP is the possibility to eliminate work steps and therefore cost factors: no films to produce, no film assembly and no plate copying. With most technologies, however, the greater portion of the savings is immediately lost to the higher costs for consumables (plates, chemicals, disposal).

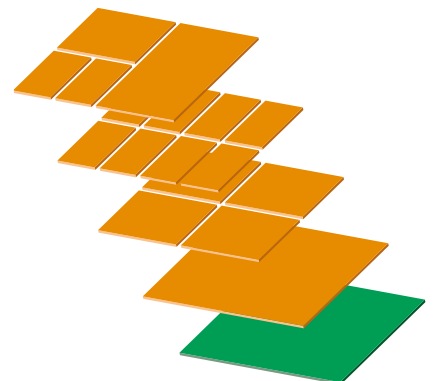
With the basysPrint technology, things are different: you continue to use your favourably priced UV-sensitive plates, and even your previous processors, while disposal costs are held to a minimum. If you are currently already using a conventional UV setup, the imagesetter and copying frame can be kept for back-up purposes. Of course you can rely on all the existing knowledge of your preferred plate type and its performance on your individual printing press.

Convenient

- Flatbed, no limit in plate size
- Upgrade automation in the field
- Free choice of plate
- Multi punch system
- Full bleed imaging

Flexibility of a flatbed system

The flatbed system of the UV-Setter Series 400 and 800 permits exposure of a wide variety of plate sizes, from small formats up a maximum 940 x 1150 mm (27 x 45") and 680 x 830 (26,77 x 32,67"). When using smaller formats, e.g. 4 up, it is also possible to image several plates simultaneously. Another advantage of the flatbed system is the capability to replace the pin bar in order to use different register systems. Upon request, the flatbed can also be fitted with register pins or 3-pin plate alignment.





Consistent

- Square pixel
- FM Screen
- Stable process
- 1-bit Tiff connection

Ready for the future with automation

The UV-Setter 400 and 800 systems promise you practice-proven and exceptionally reliable automation solutions founded on our long-standing experience in newspaper printing.

Choose between semi- and fully automatic versions, with single or multiple cassettes, automatic slip sheet removal and press-ready punching – just the way your application demands.

It goes without saying that you can also upgrade to an automatic system at any later time. The automation module is added both simply and quickly to the existing system.

1-bit TIFF for simple integration

There are many factors that influence your decision to invest in a CTcP system: investments in the existing equipment, your knowledge and comfort level with a specific kind of printing plates, staff training on a new workflow system and customer demands are a few of them.

The basysPrint UV-Setter makes the switch particularly simple. As every RIP is able to output exposure-ready 1-bit TIFFs, the UV-Setter integrates seamlessly into your prepress workflow.

Modules for the future

UV-SETTER 440

UV-SETTER 840

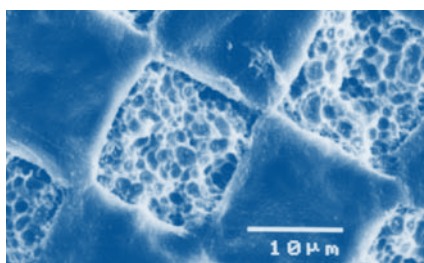
Manual and semi-automatic

The UV-Setter is able to image any UV-sensitive printing plate! Even in its basic manual version, it stands out by way of its ease of handling and quality. The first option is to configure the UV-Setter as a semi-automatic system with automatic plate transport to the processor.



More light equals higher speed: DSI² adapts to your increasing requirements

The basysPrint UV-setter is the expert in imaging a 1-bit Tiff one-to-one on the printing plate. The heart of all basysPrint platesetters is the Digital Light Processing (DLP) with its Digital Micromirror Device (DMD), a component with approx. 800,000 micromirrors. Through this device the light is directed to the printing plate. The micromirrors are square and expose extremely sharp pixels which guarantees the accurate imaging of the original file.



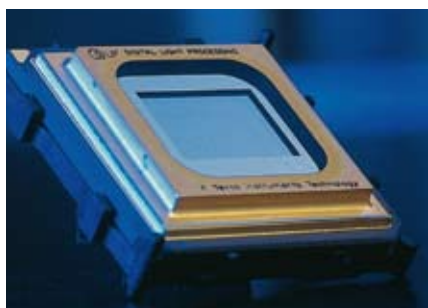
The UV-Setter cuts the cost of CTP

The basysPrint technology overcomes the problems of other CTP technologies: you can keep on using your inexpensive UV-sensitive printing plates and your existing processor. Therefore the disposal costs will remain low. After all, they process absolutely identical plates.

With DSI² the UV-Setter is really fast

In addition, the operating costs for the UV-Setter are exceptionally favorable.

CTcP technology was quickly acclaimed because of the elimination of film. However the higher cost of laser plates, chemicals and disposal undid some of the savings. basysPrint gives the best of both worlds, CTcP with the advantage of conventional plates and processes.



Each of the micromirrors can be digitally controlled. In order to expose one pixel, the appropriate micromirror will project the light to the printing plate to create exposure-exact square dots in the size of 11, 17 or 20 µm. Look and see the quality progress in the exposure of your data.

The new Digital Screen Imaging ensures that the exposure of the printing plate and the moving of the exposure heads happens simultaneously. Thanks to DSI², the exposure heads move continuously over the printing plate during the exposure over the printing plate. This "scrolling" technology prevents exposure breaks (during the movement of the head) and ensures a very short exposure time for your printing plate.

