

How to secure your CtP future? Profitably - Flexibly - Reliably?

The new basysPrint UV-Setters do it all!



460x

860x

TECHNICAL DATA	460x	460x SCA	460x MCA	860x	860x SCA	860x MCA
Maximum material format in mm (inch)	680 x 830 (27 x 33)			940 x 1150 (37 x 45)		
Minimum material format in mm (inch)	200 x 200 (7 x 7)	200 x 200 (7 x 7) - manual 323 x 450 (12 x 17) - automatic	200 x 200 (7 x 7) - manual 323 x 450 (12 x 17) - automatic	200 x 200 (7 x 7)	200 x 200 (7 x 7) - manual 323 x 450 (12 x 17) - automatic	200 x 200 (7 x 7) - manual 323 x 450 (12 x 17) - automatic
Dual Plate loading	-	-	-	□	□	□
Dual plate loading maximum plate format	-	-	-	2 x 450 x 1150 mm		
Dual plate loading minimum plate format	-	-	-	2 x 250 x 450 mm		
Flatbed system with vacuum table	■	■	■	■	■	■
Variable registration system, 3-pin stops	□	■	■	□	■	■
Integrated punch	-	□	□	-	□	□
Exposure system	DSi ³			DSi ³		
Semi-automatic plate handling	□	■	■	□	■	■
Fully automatic cassette system / number of cassettes / automatic slip sheet removal	-	■/1/■	■/3 or 5/■	-	■/1/■	■/3 or 5/■
Maximum plate capacity of the automation	-	100	300 or 500	-	100	300 or 500
Exposure speed in plates/hr (plate size in mm)	Up to 70 (605 x 745)			Up to 45 (790 x 1030)		
Exposure speed Dual plate loading (plate size in mm)	-	-	-	-	Up to 130 (2 x 450 x 650)	Up to 130 (2 x 450 x 650)
Approved plates	Wipe-on plates, Deep-etch plates, Posi-coating plates			Wipe-on plates, Deep-etch plates, Posi-coating plates		
Wave length	405 nm			405 nm		
Resolution in dpi	1500, 2400			1500, 2400		
FM Screening possible	■	■	■	■	■	■
Material thickness in mm (inch)	Offset plates: 0,15 – 0,40 - Other substrates: up to 10 mm			Offset plates: 0,15 – 0,40 - Other substrates: up to 10 mm		
Dimensions (W x D x H) in mm (inch)	2660 x 1665 x 1330 (105 x 66 x 52)	3975 x 1665 x 1330 (156 x 66 x 52)	4090 x 1665 x 1330 (161 x 66 x 52)	2660 x 1665 x 1330 (105 x 66 x 52)	3975 x 1665 x 1330 (156 x 66 x 52)	4090 x 1665 x 1330 (161 x 66 x 52)
Operating temperature in °C (in °F)	18 – 24 (65 – 75)			18 – 24 (65 – 75)		
Relative humidity in %	20 – 80, not condensing			20 – 80, not condensing		
Conected load in kWh	2,3			2,3		
Electrical connection	230 V, 50/60 Hz			230 V, 50/60 Hz		

□ = optional ■ = standard - = not available



VLF

TECHNICAL DATA	UV-Setter VLF M	UV-Setter VLF SA	UV-Setter VLF MCA
Maximum material format in mm (inch)	1485 x 2100 [58,4 x 82,7]		
Minimum material format in mm (inch)	200 x 200 [7,8 x 7,8]	450 x 200 [17,7 x 7,8]	745 x 605 [29,3 x 23,8]
Exposes negative and positive UVsensitive offset plates	yes		
Flatbed system with vacuum table	yes		
Registration	Standard: pin-bar Option: Retractable pins	Standard: 3 Retractable pins Option: Additional retractable pins or pin-bar	Standard: 3 Retractable pins with Versaflex system Option: Additional retractable pins or pin-bar
Integrated punch	no	no	option
Exposure system	DSi ³ (DMD® Texas Instruments®)		
Plate loading	Manual	Manual	Automatic
Plate unloading	Manual	Automatic	Automatic
Slip sheet removal	no	no	yes
Maximum plate capacity	Operator dependent	Operator dependent	320 (VLF plate size)
Exposure speed in number of plates/h (mm) [inch]	up to 20 pl/hr (1235 x 1620) [48,6 x 63,8]	up to 20 pl/hr (1235 x 1620) [48,6 x 63,8]	up to 20 pl/hr (1235 x 1620) [48,6 x 63,8]
Approved plates	Negative, positive and wipe on plates (see www.basysPrint.com)		
Wave length	405 nm		
Resolution in dpi	1500 or 2400		
FM and hybrid screen capability	yes		
Image Quality	2-98% - 235 lpi AM screening @ 1500 dpi • 2-98% - 250 lpi AM screening @ 2400 dpi		
Material thickness in mm (inch)	Offset plates: 0,15-0,4mm [6-16mil] • Other materials: 0,15 - 10mm [6-393mil]		
Dimensions (W x D x H) in mm (inch)	3410 x 2423 x 1774 [134 x 95 x 70]	3410 x 2423 x 1774 [134 x 95 x 70]	6534 x 3991 x 1774 [257 x 157 x 70]
Operating temperature in °C (in °F)	18 - 24 [65 - 75]		
Relative humidity in %	20 – 80, not condensing		
Connected load in kWh	2,3	2,3	2,3 + 1 (Autoloader)
Electrical connection	200-240VAC, 50/60 hz		
Workflow	1 bit Tiff connection to leading workflow systems		

Options	
"flEXpo" option	"Flexible exposure" option for manual operation only; for 2 x 8-up plates or 4 x 4-up
Punching option	Punching option for MCA version
Retractable pin option	Additional retractable pins in order to support more plate sizes
Dual plate loading for MCA	Possibility to auto load/unload 2 plates at the time

About basysPrint

The basysPrint UV-Setter series were the first systems for the digital exposure of conventional UV printing plates. basysPrint UV-Setters are successfully in operation worldwide for more than 15 years. These systems are characterized by a high level of economic efficiency for print companies of all sizes. basysPrint customers highly appreciate their quality and flexible handling of many plate sizes as well as the capability to combine different cross applications on one platesetter. Through the use of UV-plates, users are able to benefit from a stable, flexible and environment-friendly production process delivering ultimate imaging quality. basysPrint is a brand of Xeikon International BV. Detailed information is to be found at: www.basysprint.com

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The UV-Setter makes CtP really cost effective

CtP eliminates work steps and thus cost factors. No films to produce, no film assembly and no plate copying. With most technologies, however, the financial benefits are immediately lost to the higher costs for materials (plates, chemicals, disposal). With the basysPrint technology, your savings are in the right place: You can continue to use your conventional UV-sensitive plates, which will remain favorably priced for a long time to come and can be purchased worldwide at any time from a broad diversity of suppliers and independent dealers.

Most users will be perfectly familiar with UV printing plates and their proven performance on the press. There is thus no need to invest in a costly test phase and extra staff training. Furthermore, the UV-Setter itself is extremely economical in operation, with low energy consumption and affordable costs for chemistry and disposal.

Flexibility of a flatbed system

The flatbed system of the UV-Setter 460x and 860x permits exposure of a wide variety of plate sizes, from formats as small as 200 x 200 mm up

to a maximum of 680 x 830 mm (26" x 32") resp. 940 x 1150 mm (27" x 45"). When using the dual plate loading option on the 8-up platform, 2 plates with a maximum of 450 x 1150 mm can be loaded and imaged simultaneously. Thanks to our state of the art VersaFlex system we guarantee a fast, accurate and consistent registration. Years of experience, under different environmental conditions, resulted in an effective and problem free paper removal system.

Plate variety for greater independence

The UV-Setters operate in the 405 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 growing constantly. (Check out www.basysPrint.com for a list of tested plates and exposure speeds).

DSI3

Add modules for increased productivity

The key to an increased light exposure speed of UV-sensitive plates with DSI3 (Digital Screen Imaging) lies in the combination of violet diodes and the proven basysPrint exposure head technology. In contrast to the other CtP systems, the basysPrint UV-Setter uses the luminous power of several diodes which are installed on the outside of the exposure head in light modules. The light of the laser modules is channeled through optical fibers into an illumination optic. The homogenized light is then directed through several optical components towards the DMD. Need more light? Just add more modules!

Brilliant screening thanks to Super cell technology

Super cell screening is a method to increase the number of greyscales in an image. The so-called super cells comprise a certain number of individual screen dots, depending on the resolution of the screening. Within each super cell, the adjoining screen dots are produced with varying size compared to their neighbors. In this way, it is possible to achieve greyscales in a super cell which could never have been attained with identical screen dots (up to 4096 grey levels).

 **applications**

5 Cross Applications in one engine

The unique flatbed design and Dynamic Autofocus offer the exposure of 5 different application types.

- ◆ UV-plates for offset printing
- ◆ Coating plates for varnish printing
- ◆ Photoengraving Magnesium or Copper plates for hot foil stamping or embossing.
- ◆ Screens for silk screen printing.
- ◆ Dies for flexible die-cutting.

basysPrint

ENG Product overview

