XPose! Secure^{Line}

Built for Maximum Precision

lüscher
Technologies

Built for Maximum Precision

EXPERIENCE COUNTS

MORE THAN 70 YEARS OF EXPERIENCE IN MACHINE CONSTRUCTION AND IN THE GRAPHIC ARTS INDUSTRY HAVE BEEN BROUGHT INTO THE DESIGN OF XPOSE! SECURE[LINE]. AS A RESULT OF DECADES OF SUCCESSFUL PARTNERSHIPS WITH THE WORLD'S LEADING SECURITY PRINTERS SUCH AS KBA-NOTASYS SA, XPOSE! SECURE[LINE] BY LÜSCHER TECHNOLOGIES AG HAS BECOME THE STANDARD PREPRESS EQUIPMENT IN THIS PARTICULAR MARKET.

Leading System in Security Printing

With optical resolutions of 5080 dpi for the Secure model and 8000 dpi for the Secure[Plus] model (9600 dpi as an option), XPose! Secure[Line] meets the highest requirements in security printing. Whether microtexts, complex guilloche patterns or any other security features have to be imaged: XPose! Secure[Line] complies with the most stringent security requirements.

Benchmark in Banknote Printing

Imaging systems for banknote printing with a resolution of 10'160 dpi are exclusively distributed by KBA-NotaSys SA, who has been serving the banknote printing market under its own name and its own machine design as exclusive CToP partner for Lüscher CtP systems. This cooperative mutual partnership was first established in 1995.
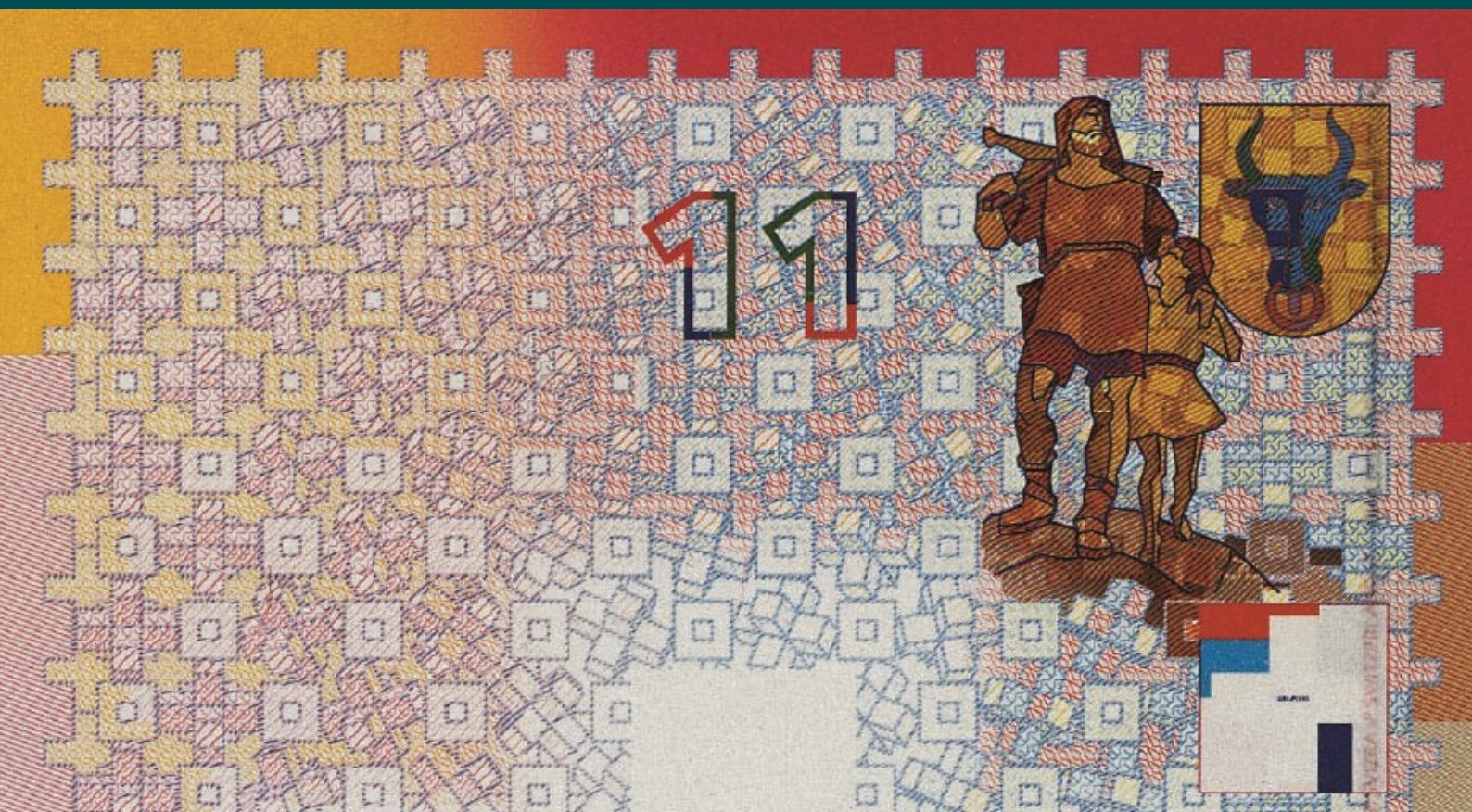
For High Security Documents

STANDARD RESOLUTION OF 5080 DPI (SECURE)

STANDARD RESOLUTION OF 8000 DPI (SECURE[PLUS]) WITH OPTION 9600 DPI

HYBRID MODELS AVAILABLE

CUSTOM-BUILT REGISTERING SYSTEMS

SMALLEST ADDRESSABLE PIXEL SIZE OF 0.00264 MM AT 9600 DPI

Also Available as Hybrid System

Any model of the XPose! Secure^{Line} can also be configured as a hybrid system upon special request. XPose! T-Flex, for instance, is the hybrid version used to process thermal offset and letterpress plates. And XPose! UV-Flex is the hybrid unit to process conventional UV and letterpress plates as well as rotary screens, such as Screeny® by Gallus, TecScreen® by Kocher + Beck or RotaPlate® by Storck.

Fully Automatic and Continuous Calibration

XPose! Secure and XPose! Secure^{Plus} both include the unique Continuous Calibration Technology (CCT). During the exposure, the performance of every laser is monitored and automatically adjusted if necessary. Costly incorrect exposures can be eliminated thereby.

Custom-built Registering System

Upon special request, Lüscher can integrate any manual or pneumatic registering system. This guarantees highest positioning accuracy of the image on the printing plate. As a result, the set-up time in the printing system is substantially reduced, which leads to significant savings in terms of material and cost.

fleXtreme! Optic for multiple resolution

The fleXtreme! optic is an in-house development by Lüscher and allows the selection of any desired resolution. The changeover is fully automatic and tailored to requirements. This means that every job could be exposed in any resolution.

Technical Specifications

	330 UV Secure^{Line}		330 TH Secure^{Line}	
Laser type	UV, 405 nm		TH, 830 nm or TH, 940 nm	
Model	Secure	Secure^{Plus}	Secure	Secure^{Plus}
Resolution	5080 dpi	8000 / 9600 dpi	5080 dpi	8000 / 9600 dpi
fleXtreme!	Optic for multiple resolution up to 5080 dpi		Optic for multiple resolution up to 5080 dpi	
Number of lasers	16, 32, 48, 64	16, 32, 48, 64	16, 32, 48, 56, 64	16, 32, 48, 56, 64
Maximum plate size	Offset and Letterpress 1130 x 950 mm (44.48 x 37,40 inch) / Flexo 950 x 950 mm (37.40 x 37.40 inch)			
Maximum plate thickness	Offset 0.2 – 0.4 mm (0.0078 – 0.0157 inch) / Letterpress 0.42 – 2.3 mm (0.01 – 0.09 inch) / Flexo 0.76 – 6.35 mm (0.76 – 0.25 inch)			
Dimensions (L X W X H)	2908 x 1367 x 1627 mm (114.5 x 53.8 x 64.1 inch)			
Power Consumption	2 kW			
Weight	1900 kgs (4189 lbs)			
Power supply	3 x 400 V + N + PE, 50 – 60 Hz, 32 A			
Air supply	6 – 10 bar, 300 l/min (66 gal./min)			
Ambient conditions	50 – 65% humidity at 18 - 25 °C			

330 UV-Flex Secure^{Line} 830 nm		330 UV-Flex Secure^{Line} 940 nm		330 T-Flex Secure^{Line}	
UV, 405 nm / TH, 830 nm		UV, 405 nm / TH, 940 nm		TH, 830 nm	
Secure	Secure^{Plus}	Secure	Secure^{Plus}	Secure	Secure^{Plus}
5080 dpi	8000 / 9600 dpi	5080 dpi	8000 / 9600 dpi	5080 dpi	8000 / 9600 dpi
Optic for multiple resolution up to 5080 dpi		Optic for multiple resolution up to 5080 dpi		Optic for multiple resolution up to 5080 dpi	
16/16, 32/32	16/16, 32/32	16/16, 32/32	16/16, 32/32	16, 32, 48, 64	16, 32, 48, 56, 64

A HELIOGRAPH HOLDING COMPANY