

XPose! FlexLine

The Revolution in Digital Flexo Plate Making



BASED ON INNOVATION.

luscher
Technologies

The Revolution in Digital Flexo Plate Making

BUILT TO MEET THE HIGHEST REQUIREMENTS IN FLEXO PRINTING

MORE THAN 70 YEARS OF EXPERIENCE IN MACHINE CONSTRUCTION AND IN THE GRAPHIC ART INDUSTRY HAVE BEEN BROUGHT INTO THE DESIGN XPOSE! FLEX^{LINE}. PRECISION ENGINEERING COMBINED WITH STATE OF THE ART LASER TECHNOLOGY WITH FIBRE-COUPLED LASER DIODES STAND FOR HIGHEST RELIABILITY IN PLATE MAKING AND LOWEST COST IN MAINTENANCE AND OPERATION OF THE EQUIPMENT.

Easiest Handling and Highest Productivity

The unique patented combination of inside and outside drum technology allows easy and quick operating. There is no need for tension rails or time-consuming taping of the plates onto the drum, since the plates in any size or thickness are static. Even printing plates of 50 x 80 inch can easily be loaded or unloaded by the operator.

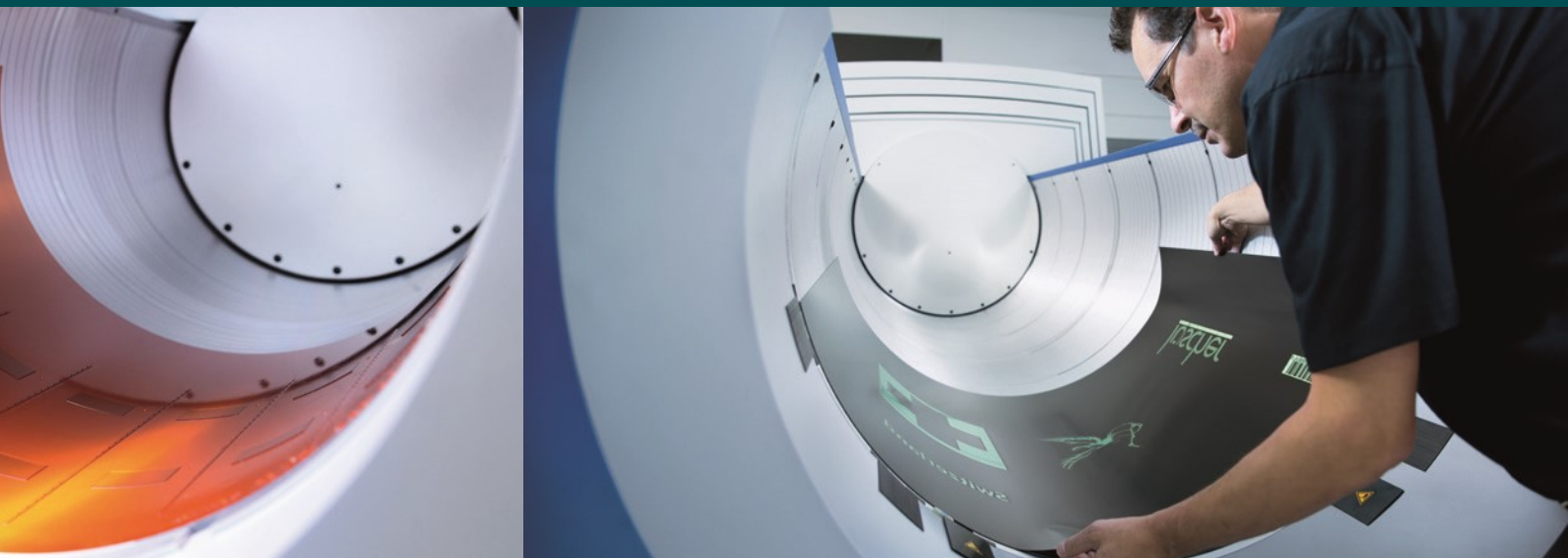
XPose! Flex^{Line} guarantees highest productivity. The output speed is constant, regardless of whether you expose 1.14 mm (0.045 inch) or 6.35mm (0.250 inch) plates and regardless of the resolution, be it 2540dpi or Full HD 5080 dpi.



New Standard in Flexo Plate Making

FLEXTREME! OPTIC FOR MULTIPLE RESOLUTION UP TO 5080 DPI
HIGHEST OUTPUT STANDARD IN INDUSTRIAL APPLICATIONS
WITH 4–5 M²/H (43.1–53.8 FT²/H)*
NO LOSS OF SPEED WITH ANY PLATE THICKNESS UP TO 6.35 MM
EASY LOADING AND UNLOADING
NOT DEPENDING ON PARTICULAR FORMATS
FULLY AUTOMATIC CALIBRATION DURING EXPOSURE
ALSO SUITABLE FOR LETTERPRESS / DRY OFFSET PLATES

*depending on plate material used



Full HD Flexo Included

The standard equipment includes a dual optic system. XPose! Flex^{Line} enables the user to make exposures in full HD with 5080 dpi or with standard resolution 2540 dpi by a simple click of a button – XPose! Flex^{Line} makes things easy for you. Other resolutions are available upon special request, i.e. 2400/4800 dpi as dual optic or 4000 dpi as single optic are optionally available without extra charge.

X!Mask for Outstanding Quality

The X!Mask Software developed by Lüscher Technologies AG automatically recognizes surfaces or small dots or lines. It fully automatically generates structures or microcells on the surfaces and thus allows higher density values in solid areas. The operator is free to configure both shape and size of the microcells. Highlight dots as well as fine lines can be identified by the software and are automatically assigned broad shoulders. The software is independent of the RIP and runs fully automatically on the output computer.

Fully Automatic and Continuous Calibration

XPose! Flex^{Line} includes the unique Continuous Calibration Technology (CCT). During the exposure, the performance of every laser is monitored and automatically adjusted if necessary. Costly inappropriate exposures can thus be eliminated.

Fibre-coupled Laser Diodes

XPose! Flex^{Line} is equipped with fibre-coupled infrared laser diodes with an extremely long service life. They guarantee up to 15'000 exposure hours and provide highest production reliability. The performance of the laser diodes is permanently monitored and the user is automatically notified, should there be any drop in performance. If a laser diode fails, it can be replaced very easily.

flexXtreme! Optic for multiple resolution

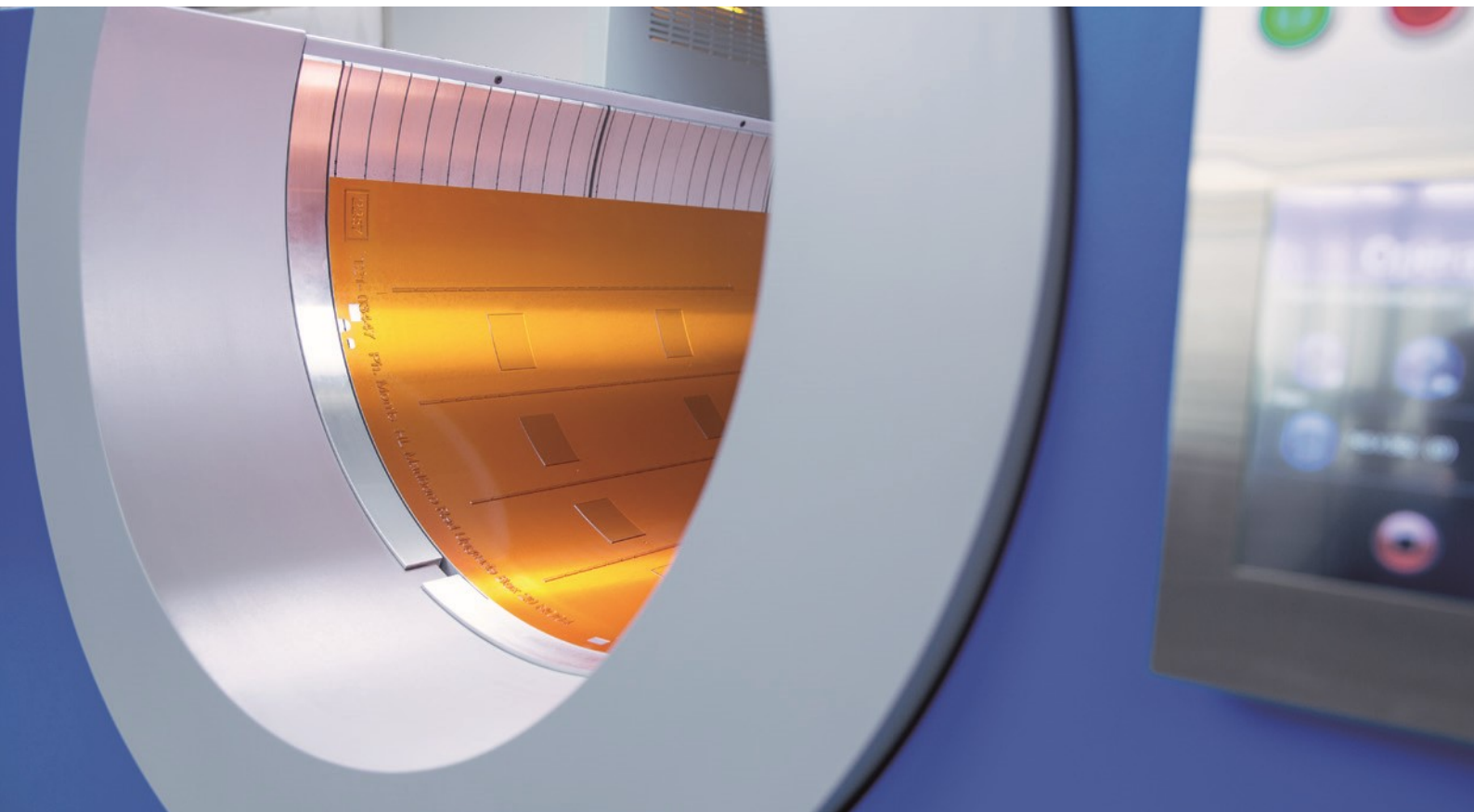
The flexXtreme! optic is an in-house development by Lüscher and allows the selection of any desired resolution. The changeover is fully automatic and tailored to requirements. This means that every job could be exposed in any resolution.





Technical Specifications

	Flex^{Line} 330L	Flex^{Line} 360L
Resolution	5080 dpi	5080 dpi
flexTreme!	Optic for multiple resolution up to 5080 dpi	Optic for multiple resolution up to 5080 dpi
Laser type	TH, 940 nm	TH, 940 nm
Number of lasers	48, 64	48, 64
Productivity	4–5 m ² /h (43.1–53.8 ft ² /h)	4–5 m ² /h (43.1–53.8 ft ² /h)
Max. plate size	1067 x 1524 mm (42 x 60 inch)	1270 x 2032 mm (50 x 80 inch)
Max. plate thickness	6.35 mm (1/4 inch)	6.35 mm (1/4 inch)
Dimensions (L x W x H)	3406 x 1367 x 1640 mm (135 x 53.9 x 64.6 inch)	4647 x 1565 x 1900 mm (183 x 61.7 x 74.8 inch)
Average power consumption	2 kW	2.5 kW
Weight	2400 kgs (5291 lbs)	3800 kgs (8378 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 (64.4–77 °F)	



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