

XPose!

Hybrid Imaging System
For Virtually all Printing Forms



BASED ON INNOVATION.

Luscher
Technologies

Advantages of the Patented Lüscher Laser Diode Technology

- PROVEN AND TRUSTED TECHNOLOGY MADE IN SWITZERLAND
- MAINTENANCE-FREE FIBER-OPTIC COUPLED LASER DIODE TECHNOLOGY
- FULLY AUTOMATIC CALIBRATION OF LASER DIODES
- ULTRA-LONG LIFESPAN OF THE LASER DIODES WITH +15'000 IMAGING HOURS
- UPGRADEABLE- ADDITIONAL LASER DIODES CAN BE ADDED AT ANY TIME FOR FASTER IMAGING SPEED
- HIGH-ENERGY LASER DIODES FOR MAXIMUM ENERGY OUTPUT, NO ACTIVE COOLING SYSTEM REQUIRED
- NO CONSUMABLES
- OPERATES VIRTUALLY MAINTENANCE-FREE
- LOW ENERGY CONSUMPTION, LOWEST COST OF OWNERSHIP

Advantages of the XPose!

- FOR MULTIPURPOSE APPLICATIONS
- OPTIONAL FLEXTREME! OPTIC FOR MULTIPLE RESOLUTIONS UP TO 2'540 DPI
- NO LOSS OF SPEED WITH ANY PLATE THICKNESS UP TO 6.35 MM
- EASY LOADING AND UNLOADING
- INDEPENDENT OF SPECIFIC FORMATS
- HYBRID CONFIGURATION POSSIBLE



Technical Specifications of the XPose!

Machine Type	Max. Plate Size (L x W)	Max. Plate Thickness	Machine Dimensions (L x W x H)	Weight
XPose! 330	Offset 1'130 x 950 mm (44.5 x 37.4 inch) Flexo 1'200 x 950 mm (47.2 x 37.4 inch)	Offset 0.2 – 0.4 mm (0.01 – 0.02 inch) Flexo 6.35 mm (0.25 inch)	2'940 x 1'367 x 1'645 mm (115.7 x 53.8 x 64.8 inch)	1'900 kg (4'189 lb)
XPose! 360	Offset 1'650 x 1'370 mm (65.0 x 53.9 inch) Flexo 1'340 x 1'370 mm (52.8 x 53.9 inch)	Offset 0.2 – 0.4 mm (0.01 – 0.02 inch) Flexo 0.76 – 6.35 mm (0.03 – 0.25 inch)	3'624 x 1'565 x 1'752 mm (142.7 x 61.6 x 69.0 inch)	2'250 kg (4'960 lb)
XPose! 360L	Offset 1'650 x 2'260 mm (65.0 x 89.0 inch) Flexo 1'270 x 2'032 mm (50.0 x 80.0 inch)	Offset 0.2 – 0.4 mm (0.01 – 0.02 inch) Flexo 6.35 mm (0.25 inch)	4'672 x 1'565 x 1'899 mm (183.9 x 61.6 x 74.8 inch)	3'800 kg (8'378 lb)

General Information of the XPose!

Feature	Specification
Hybrid Configurations	Up to 3 different wavelengths, depending on requirements
Resolution	2'400 / 2'540 dpi (5'080 dpi Flexo)
Laser Type	IR, 380 nm / UV, 405 nm / UV, 830 nm / IR, 980 nm
Number of Laser Diodes	16 / 32 / 64 / 96 / 128
Power Supply	3 x 400V + N + PE / 50 - 60 Hz / 32 A
Air Supply	6 - 10 bar, 300 l/min
Power Consumption	approx. 2 kW / 2.5 kW
Ambient Conditions	40 - 65 % humidity at 18 - 25 °C (64.4 - 77 °F)
Room Conditions	vibration-free floor

Custom Built

Lüscher's Laser Diode Technology

The fiber-coupled laser diodes operate in the 380- 980 nm range and are characterized by an ultra-long service life of +15'000 imaging hours. They are completely maintenance-free, no need for an active cooling system.

Fully Automatic and Continuous Calibration

XPose! includes the unique Continuous Calibration Technology (CCT). During imaging, the performance of each laser is monitored and automatically adjusted if necessary. Costly incorrect imaging can thus be avoided.

Lowest Energy Consumption

Lüscher's patented laser diode technology ensures minimal power usage of approx. 2 kW / 2.5 kW, depending on laser type, reducing costs and providing a lower total cost of ownership. This promotes environmentally friendly production for customers.

Virtually Maintenance-free

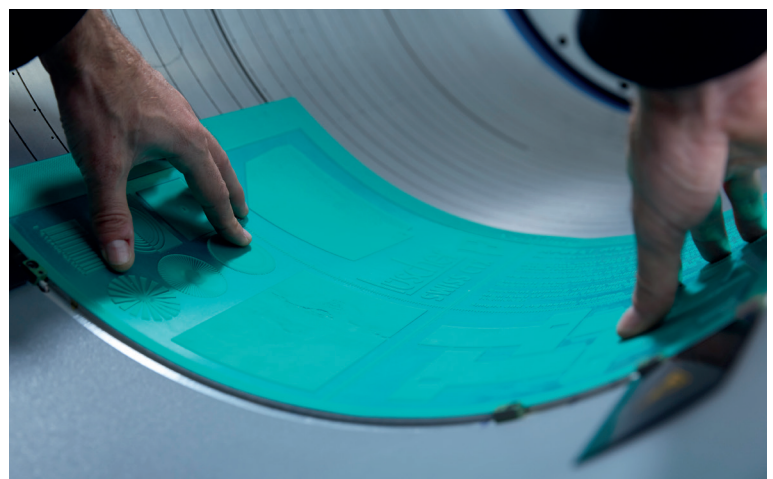
XPose! system operates efficiently without the need for any wear parts or consumables, ensuring minimal maintenance and long-lasting performance. Lüscher's maintenance software guides the operator through the simple maintenance tasks and guarantees high reliability. XPose! is equipped with a port for Remote Support Service, which can be directly linked to our technical support via the internet.

flexTreme! Optic for Multiple Resolution

The optional 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 each job can be imaged in any desired resolution.

Multifunctional Use

- Rotary screens
- Letterpress plates
- Dry offset plates
- Flexo plates
- Thermal offset plates
- Offset plates
- Film, diazo and ablative
- Varnishing / coating plates



Available Wavelength

With XPose!, almost any printing form can be processed in one machine

- 830 nm IR for thermal offset plates and ablative film
- 980 nm IR for any ablative (LAMS) plate or ablative film
- 405 nm UV for conventional offset plates and rotary screens, such as Screeny® by Gallus, TecScreen® by Kocher+Beck or RotaPlate® by SPGPrints can be imaged easily.
- 380 nm UV for direct imaging of conventional flexo plates or letter press plates without LAMS layer.

Any Configuration

The broad band optical system by Lüscher allows any combination of two different types of laser diodes in one machine.

Switching between the two laser sources is done by a simple click of a button. Every wavelength can be configured individually, if just one source is needed at the time. Possible combinations are:

XPose! UV-Flex with 405 nm UV and 980 nm IR Laser Diodes

With this combination, any UV sensitive material and any ablative plate can be imaged easily, quickly and safely.

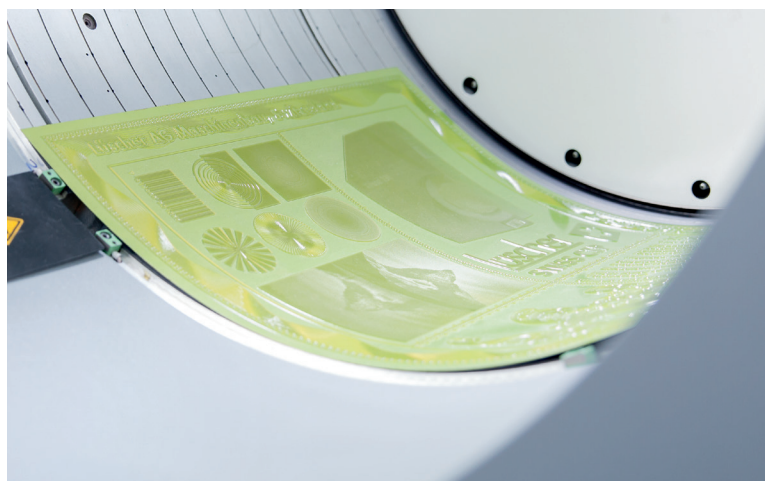
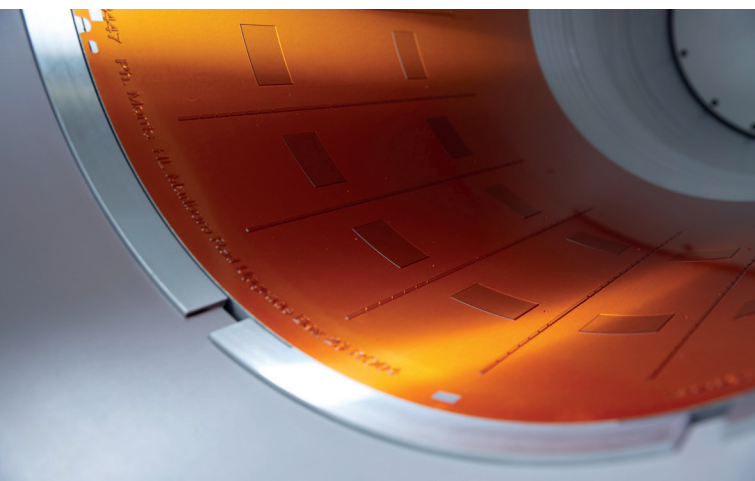
This applies to conventional offset plates, rotary screens, such as Screeny® by Gallus, TecScreen® by Kocher+Beck or RotaPlate® by SPGPrints, as well as to letterpress, flexo plates and ablative film.

XPose! UV-FlexThermal with 405 nm UV and 830 nm IR Laser Diodes

With this combination, any UV sensitive material and any thermal offset printing plate can be processed quickly and in highest quality in one machine. This applies to conventional offset plates, rotary screens, such as Screeny® by Gallus, TecScreen® by Kocher+Beck or RotaPlate® by SPGPrints as well as to any conventional thermal offset plate and ablative film.

XPose! T-Flex 830 nm IR and 980 nm IR Laser Diodes

With this combination, any ablative plate and any thermal offset plate can be processed quickly and safely in one machine, such as letter press plates, flexo plates or thermal offset plates.





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