

# XPose!

The One and Only Hybrid Imaging System



BASED ON INNOVATION.

**luscher**  
Technologies



## **CUSTOM BUILT**

# The One and Only Hybrid Imaging System

**MORE THAN 60 YEARS OF EXPERIENCE IN THE MACHINE CONSTRUCTION AND IN THE GRAPHIC ARTS INDUSTRY HAVE BEEN BROUGHT INTO THE DESIGN OF XPOSE!. PRECISION ENGINEERING COMBINED WITH STATE OF THE ART LASER TECHNOLOGY WITH FIBRE-COUPLED LASER DIODES IN THE WAVELENGTH RANGE OF 375 / 405 / 830 / 940 NM STAND FOR HIGHEST RELIABILITY AND LOWEST COST IN MAINTENANCE AND OPERATION OF THE EQUIPMENT.**

## **All in One**

Once again, Lüscher has set a new standard in the Graphic Arts Industry. XPose! is the world's first hybrid imaging system including more than one type of laser diodes. Depending on the application, two different laser diode types can be combined, allowing the exposure of different kinds of printing forms in one machine.

## **State-of-the-art and Economical Laser Technology**

Based on many years of experience, Lüscher Technologies AG has optimised its technology of fibre-coupled laser diodes. As a result, the user gets an economical and reliable technology for his specific application. Due to the waterless cooling and the intelligent control system, the service life of the laser diodes exceeds 15'000 operating hours.



# For Multipurpose Applications

**ROTARY SCREENS**

**LETTERPRESS PLATES**

**WATERLESS OFFSET PLATES**

**FLEXO PRINTING PLATES**

**THERMAL OFFSET PRINTING PLATES**

**CONVENTIONAL OFFSET PLATES**

**FILM, DIAZO AND ABLATIVE**

**ACCENT COATING PLATES**





### Available Laser Wavelengths

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

- 830 nm IR for thermal offset plates
- 940 nm IR for any ablative (LAMS) plate or ablative film
- 405 nm UV for conventional offset plates and Diazo film as well as accent coating plates by MacDermid.  
Even rotary screens by Gallus, Kocher + Beck and Stork can be imaged easily.
- 375 nm UV for direct imaging of water wash flexo plates or conventional letter press plates without LAMS layer.

## Technical Specifications

Model	XPose! 330	XPose! 360
Laser types	375 / 405 / 830 / 940 nm	
Hybrid configurations	2 different wavelengths, as needed	
Max. plate size	Offset 1130 x 950 mm (44.4 x 37.4 inch) / Flexo 950 x 950 mm (37.4 x 37.4 inch)	Offset 1650 x 1370 mm (114.5 x 53.9 inch ) / Flexo 1340 x 1370 mm (52.7 x 53.9 inch)
Max. plate thickness	Offset 0.2 – 0.4 mm (0.07 – 0.15 inch) / Flexo 0.76 – 6.35 mm (1/32 – 1/4 inch)	Offset 0.2 – 0.4 mm (0.07 – 0.15 inch) / Flexo 0.76 – 6.35 mm (1/32 – 1/4 inch)
Dimensions (L x W x H)	2908 x 1367 x 1627 mm (114.5 x 53.8 x 64 inch)	3575 x 1565 x 1735 mm (140.7 x 61.6 x 68.3 inch)
Power consumption Ø	2 kW	2.5 kW
Weight	1900 kgs (4189 lbs)	2250 kgs (4960 lbs)
Power supply	3 x 400 V + N + PE, 32 A, 50/60 Hz	
Air supply	6 – 10 bar, 300 l/min (66 gal./min)	
Ambient conditions	50 – 65% humidity at 18 – 25 °C (64.4 – 77 °F)	

### 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 940 nm IR 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 by Gallus, Kocher + Beck and Stork, as well as to letter press and flexo plates.

### XPose! UV-Flex Thermal with 405 nm UV and 830 nm IR Diodes

With this combination, any UV sensitive material and any thermal printing plate can be processed quickly and in highest quality in one machine. This applies to conventional offset plates, rotary screens by Gallus, Kocher + Beck and Stork as well as to any conventional thermal offset plate.

### XPose! T-Flex 830 nm IR and 940 nm IR Diodes

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

### Fully Automatic and Continuous Calibration

XPose! includes the unique Continuous Calibration Technology (CCT). During the exposure, the performance of every laser diode in any wavelength is monitored and automatically adjusted if necessary. Costly inappropriate exposures can thus be eliminated.

XPose! 360L	
Offset 1650 x 2260 mm (64.9 x 88.9 inch) / Flexo 1340 x 2260 mm (52.7 x 88.9 inch)	
Offset 0.2 – 0.4 mm (0.07 – 0.15 inch) / Flexo 0.76 – 6.35 mm (1/32 – 1/4 inch)	
4647 x 1565 x 1900 mm (182.9 x 61.6 x 74.8 inch)	
2.5 kW	
3800 kgs (8378 lbs)	



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