

XPose! UV
Digital platesetter for conventional
offset plates with a proven track
record

XPose! UV

SWISS CTP



lüscher

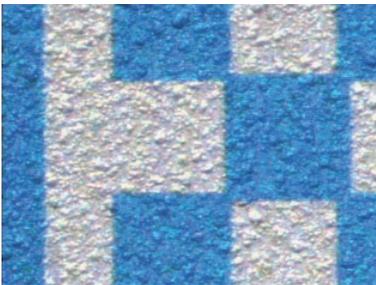
SWISS CTP from Lüscher

- More than 60 years experience in prepress
- XPose! revolutionary modular system design
- Use of proven plate technology offering numerous advantages
- Quality and reliability that our customers are delighted with
- Simple, user-friendly operation

Conventional offset plates set at the highest quality – tested and confirmed

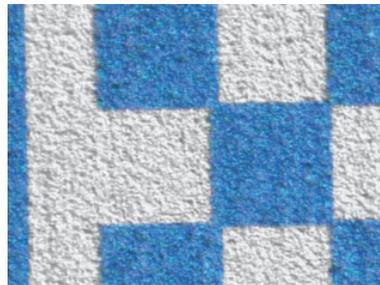


Thermal plate



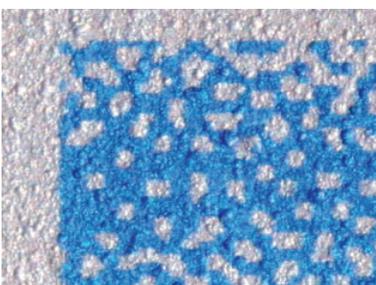
Kodak Electra Excel HRO

Conventional plate



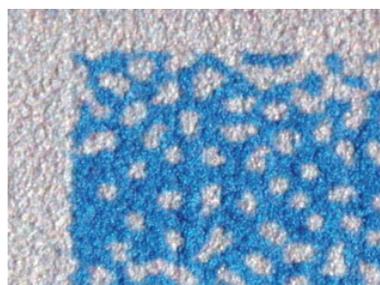
Vela LPV 100 (further examples on request)

Thermal plate



Kodak Electra Excel HRO

Conventional plate



Vela LPV 100 (further examples on request)

Magnification 475X

The XPose! UV images with high performance blue laser diodes, using 64 120 milliwatt diodes to deliver 128 times the light energy of the original violet systems. As a result, it is no longer necessary to use highly sensitive plates and instead proven, conventional offset plates can be imaged, which are generally more economical and offer a higher processing tolerance.

Both FOGRA of Germany and the Swiss consultancy firm System Brunner have checked the quality of the imaged plates. System Brunner experts put the XPose! UV through a detailed acceptance trial and certified it in accordance with stringent assessment criteria. In the summary of the 29 page acceptance report it states that, "the Lüscher XPose! UV has demonstrated the ability to set various different types of positive and negative working plates with outstanding quality at the three screen rulings of 60 L/cm, 80 L/cm and FM Coarse".

Today, more than 30 manufacturers offer conventional plates and Lüscher has successfully tested over 50 different offset plates. Instead of being tied to a small number of plates, you are free to choose your plates and their manufacturer in the market place.

By using conventional UV plates you are also able to exploit the advantages of negative working plates. The choice of the XPose! UV together with the switch to negative plates brings with it the possibility of longer print runs without baking; reduced electricity consumption due to the elimination of pre-heating and baking, runability with UV inks and more environmentally friendly processing.

»Innovative technology with economic benefits« P. Schmidt, Ziegler Druck- und Verlags-AG

(CH) »The conventional UV plates are much simpler to handle than thermal plates« I. Fritzsche, GGP Media (D) »The UV technology works and makes economic

sense« J. Helmberger, Niedermayr (D)

**XPose! UV model range up to XL plate format
2260 x 1600 mm**



XPose! 230 UV



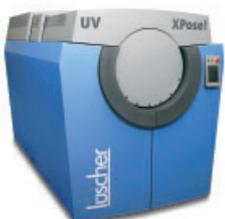
XPose! 260 UV



XPose! 290 UV



XPose! 290-L UV



XPose! 290-XL UV

The new XPose! UV model range incorporates the latest technology for maximum system availability and minimum servicing expenditure.

The XPose! UV model range can cover every format used in the industry from 430 x 360 mm to 2260 x 1600 mm, the XL plate format.

The XPose! UV is based on the XPose! Technology that has been used worldwide with such success and combines speed with consistency. Its unique combination of internal and external drum is patented worldwide. This design guarantees geometrically precise reproduction and simplifies the loading and unloading of the plates.

Lüscher platesetters can be used manually or, optionally, as semi-automatic or automatic machines.

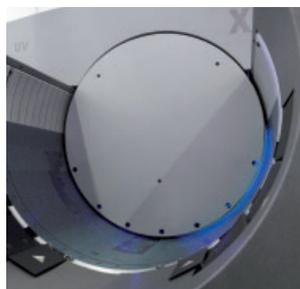
Professional service and support as well as user friendliness make your life simpler



No waiting! Operational check via remote maintenance.



Active support. A service team will arrive on site within the shortest possible time to assist you.



Any plate format. The simplified construction of the internal drum reduces the footprint.

Product innovations are implemented through close and direct exchanges with our customers and partner companies, because at Lüscher development, manufacture and support are all from the same source. This means that we actively support each XPose! UV in your company through on site customers aids, preventive maintenance checks and comprehensive operator training and maintenance courses for a customer's own staff. As a result we help you to avoid production down times and to save costs.

All the important components are easily accessible for servicing.

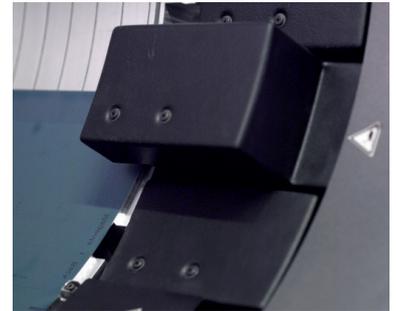
A special diagnostic tool allows our service engineers to analyse a problem on site in your company, which ensures highly efficient and top quality service. The high-powered laser diodes are constantly monitored and automatically adjusted as required. Should a diode actually fail, the XPose! UV will operate somewhat more slowly but the quality will be unaltered.

A Color Touch Panel (graphic user interface), which is simple to operate and a joy to use because of its clear display of individual operational functions, controls the setter. Dynamic menus offer you easy access to the key functions at any time. Customer satisfaction remains our primary objective and so we value a mutual development partnership very highly and relish the challenge of finding customer specific solutions.

Innovative options that deliver enhanced functionality and operator comfort

Inline punching – taking fully automatic prepress further

To finally make register errors a thing of the past and achieve fully automatic production, the XPose! can be fitted with the integrated Bacher 2000 inline punching system. On request, other, customer specific punches can be integrated. Perfect register allows makeready times to be shortened and wastage minimized. – The integration of an inline punching system combined with fully automatic operation through the use of the Lüscher Plate Handling System delivers the highest possible degree of automation to your prepress.



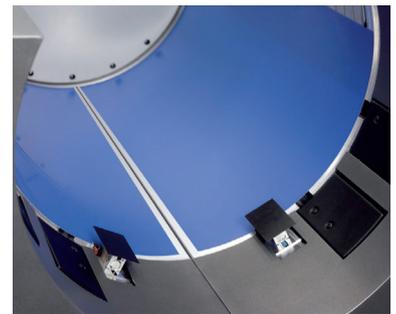
XPose! PHS – Plate Handling-System for fully automatic operation

The XPose! PHS offers efficient plate handling and is specifically recommended for companies dealing with high volumes or for the professional handling of VLF plates. The Plate Handling System can accommodate up to six different formats or thicknesses of plate and the automation reduces the risk of damaging the plates. In addition, the PHS is very simple to load, since the interleaved sheets of paper are automatically removed.



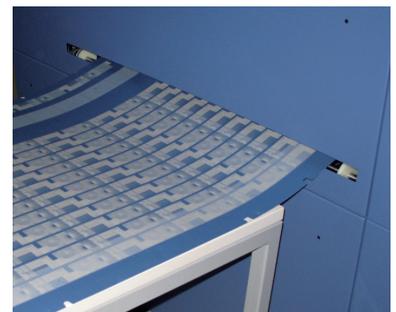
XPose! Dual platesetting – unlimited flexibility

Dual platesetting increases productivity and reduces production costs, since two smaller plates can be exposed together on the plate bed. Dual platesetting therefore offers a combination of first class quality, high throughput and efficient plate handling. The modular architecture of the XPose! Setter means that each Dual model is built to the individual platesetting requirements of the customer.

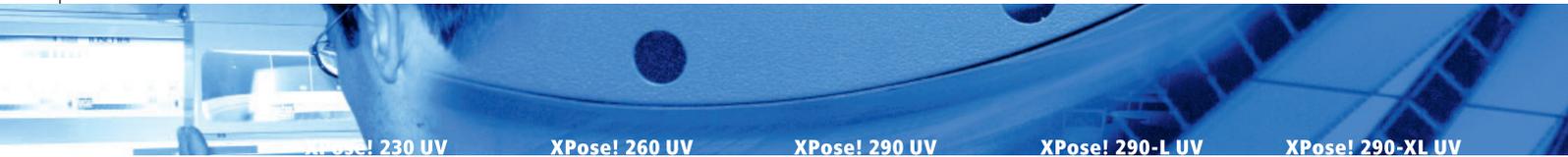


XPose! deloader for semi-automatic operation

The optional plate deloader automatically unloads the plates after setting and directly forwards them to the plate processing line.



Technical specifications



| | XPose! 230 UV | XPose! 260 UV | XPose! 290 UV | XPose! 290-L UV | XPose! 290-XL UV |
|----------------------------------------------|----------------------------------------|-----------------------|-----------------------|------------------------|-------------------------|
| Max. plate format | 1130 x 950 mm | 1680 x 1370 mm | 1900 x 1485 mm | 2080 x 1600 mm | 2260 x 1600 mm |
| Max. exposure area | full plate format | full plate format | full plate format | full plate format | full plate format |
| Min. plate format | 430 x 360 mm | 540 x 380 mm | 605 x 410 mm | 655 x 410 mm | 655 x 410 mm |
| Min. plate format with register pins | 120 x 120 mm | 120 x 120 mm | 120 x 120 mm | 120 x 120 mm | 120 x 120 mm |
| Min. exposure area | none | none | none | none | none |
| Plate thickness | 0.15 - 0.4 mm | 0.15 - 0.5 mm | 0.15 - 0.5 mm | 0.15 - 0.5 mm | 0.15 - 0.5 mm |
| with PHS | 0.2 - 0.4 mm | 0.25 - 0.5 mm | 0.25 - 0.5 mm | 0.25 - 0.5 mm | 0.25 - 0.5 mm |
| Resolution | 2400 dpi | 2400 dpi | 2400 dpi | 2400 dpi | 2400 dpi |
| UV exposure head | 64 laser diodes | 64 laser diodes | 64 laser diodes | 64 laser diodes | 64 laser diodes |
| Light source | blue laser, 405 nm | blue laser, 405 nm | blue laser, 405 nm | blue laser, 405 nm | blue laser, 405 nm |
| Dimensions (L x W x H) | 2908 x 1367 x 1640 mm | 3626 x 1565 x 1741 mm | 4126 x 1794 x 2008 mm | 4126 x 1794 x 2008 mm | 4126 x 1794 x 2008 mm |
| Weight | 1900 kg | 2550 kg | 3500 kg | 3500 kg | 3500 kg |
| Options | | | | | |
| Downgrade | 32 laser diodes | 32 laser diodes | 32 laser diodes | 32 laser diodes | 32 laser diodes |
| Upgrade | 128 laser diodes | 128 laser diodes | 128 laser diodes | 128 laser diodes | 128 laser diodes |
| Plate Handling System fully automated | available | available | available | available | available |
| Semi-autom. unloader | available | available | on request | on request | on request |
| Dual XPose! | on request | available | available | available | available |
| Inline punching | available | available | available | available | available |
| Further resolutions | on request | on request | on request | on request | on request |
| Power supply | 3 x 400 V, 50-60 Hz + N+ PE 32 A | | | | |
| Ambient conditions | 50 - 65% ambient humidity at 18 - 25°C | | | | |

Technical details subject to change

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