



ELC[®]-X
MAINTENANCE-FREE WITH MINIMUM
SPACE REQUIREMENTS FOR
HEIDELBERG PRESSES



The electronic power supply devices of the ELC[®]-X series have been specially developed for operating UV lamps and LED modules where space is at a premium. They optimise production safety in the print room and also reduce operating costs. They contain all the components for process control.

THE MAINTENANCE-FREE ELC[®]-X WITH MINIMUM SPACE REQUIREMENTS OFFERS SEVERAL ADVANTAGES:

LOW OPERATING COSTS

The highly efficient ELC[®]-X operates with low energy consumption. The UV unit can be operated in stand-by mode with output of 30%. Further savings can also be made depending on the local energy supply (eg. compensation plant, energy distribution and tariff classification).

INCREASED PRODUCTION SAFETY

Highly consistent output and accurate temperature control are ensured through the integrated output control of the ELC[®]-X. Network voltage variations of $\pm 10\%$ do not affect the output due to the integrated control and monitoring system. Printing on sensitive materials can begin at a low output and accurate temperature control guarantees no distortion of heat-sensitive substrates even at reduced print speeds.

OUTPUT CONTROL

Total control of the output has two advantages. Firstly, the UV lamp can be switched to energy-saving stand-by mode (minimal setting) during long pauses and UV LEDs can be switched on/off immediately why there is no energy use at all on stand-by mode. Secondly the output can be steplessly adjusted between 30 and 100% depending on the print speed.

OUTPUT

The ELC[®]-X range includes power supply units suitable for almost all applications. ELC[®]-X units are available for outputs up to 36 kW.

REDUCED MAINTENANCE OF THE ELECTRICAL CABINET

The filters in the ELC[®]-X cabinets are shielded from the electrical system and can therefore be changed easily and quickly by anyone.

- Tool-free filter exchange of the electrical cabinet
- Accessibility from outside
- Degree of protection is maintained
- Replacement possible during operation

PERFORMANCE OF THE ELC®-X ELECTRONIC POWER SUPPLY UNITS

- UV lamps and LED have infinitely adjustable dimming over 30–100 % of the nominal electrical output.
- Interchangeable operation between LAMPcure and LEDcure is possible with Hot Swap supported HEIDELBERG presses
- Without additional space requirements, the stacking concept can be prepared for extensions
- Configuration, control and monitoring are achieved by means of a profibus interface, and the ELC®-X units can be integrated in the system control without problem.
- The output is automatically adjusted to compensate for any variations in the network voltage.
- Safe in case of short circuits or idle running
- LAMPcure: Integrated electronic lamp ignition
- Integrated electronic control and monitoring systems
- Integrated earth leakage detection
- Fully insulated output of UV lamps and LED modules
- Air cooled

Technical data

Supply voltage:	400–480V ±10 %
Output:	12–36 kW depending on unit type
Dimming range:	30–100 %
Degree of protection:	IP 54
Dimensions:	ELC-X12: 125 x 470 x 420 mm (HxWxD) ELC-X16: 250 x 470 x 420 mm (HxWxD) ELC-X24: 250 x 470 x 420 mm (HxWxD) ELC-X36: 375 x 470 x 420 mm (HxWxD)
Weight:	20–60 kg depending on unit type



Electrical cabinet with ELC®-X rack concept

∞ WE HAVE THE CURE

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