ELC®-X-SERIES
MAINTENANCE-FREE WITH MINIMUM SPACE REQUIREMENTS

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 POWERFUL ELECTRONIC SYSTEM OFFERS SEVERAL BENEFITS:

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 ±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, lamp and LED can be switched to energy-saving stand-by mode (minimal setting) during long pauses. Secondly the output can be steplessly adjusted between 30 and 100 % depending on the print speed.

HOT SWAP TECHNOLOGY
Hot Swap Technology enables the operation of LAMPcure and LEDcure systems. LAMPcure systems can easily be retrofitted by a LEDcure system or vice versa.

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.

PERFORMANCE OF THE ELC®-X ELECTRONIC POWER SUPPLY UNITS

- Hot Swap and up to 97% electrical efficiency
- The ELC®-X has a network power factor > 0.94. It can be operated directly from the network without any additional levies.
- Power factor correction (PFC) ensures that the harmonic content of the mains current is < 5%.
- UV lamps and LED have infinitely adjustable dimming over 30–100 % of the nominal electrical output.
- Stacking concept
- Air cooled
- 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

ELC®-X stacking concept

Technical data	
Supply voltage:	400–480 V ±10 %
Output:	6–36 kW depending on unit type
Dimming range:	30–100 %
Power factor:	around 0.94 rating
Degree of protection:	IP 54
Dimensions:	ELC-X6: 125 x 470 x 320 mm (H x W x D) ELC-X8: 125 x 470 x 420 mm (H x W x D) ELC-X12: 125 x 470 x 420 mm (H x W x D) ELC-X16: 250 x 470 x 420 mm (H x W x D) ELC-X24: 250 x 470 x 420 mm (H x W x D) ELC-X36: 375 x 470 x 420 mm (H x W x D)
Weight:	14–60 kg depending on unit type

WE HAVE THE CURE

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