

BLK® LEDcure: Highly efficient LED technology



Hot Swap Technology enables the operation of LAMPcure and LEDcure systems. The BLK® LAMPcure can easily be retrofitted with a LEDcure system.

High-performance LEDs

The BLK® LEDcure is ready to use immediately after switching it on. There are no warm-up or cooling times, which saves both time and energy. LEDs have a long service life. However, modules can be replaced easily if required. Available wavelengths: standard 385 nm, other wavelengths on request.

Existing UV units that are already operated with the ELC® -X/PE series can be **retrofitted with a LEDcure** system.

Water cooling for lamps and LEDs

Water cooling of the LED chips for high efficiency and a long lifetime of the system.

Newly developed optics made of lenses that are designed for specific applications allows for an optimum UV output on the substrate.

Smart Control

The new generation of the BLK® product family can be equipped with the Smart Control system user interface. This makes the operation of UV systems clear, it is easy to use and it allows straightforward integration into the control systems of all common kinds of printing press.



	BLK® LAMPcure	BLK® LEDcure
UV technology	lamp	LED
Power level	200 W/cm	75 W/cm
Version	≥ 240 W/cm	115 W/cm
Cooling	water-cooled	water-cooled
ELC® electronic power supply device	ELC®-PE ELC®-X	ELC®-PE ELC®-X
Control	UCS-i, smart control	smart control
UV measurement	online	✗
FLC® Fast Lamp Change	✓	✗
URS® Inlay Reflectors	✓	✗
Run-up time	approx. 65 s	1 s
Heat management	optimized for water-cooling	optimized for water-cooling
Change to LED or lamp system (Hot Swap)	✓	✓
Spectrum – standard	Hg	385 nm
Spectrum – versions	Fe, Galn	365, 375, 395, 405 nm
Options	- inertisation - cooling roller - undershielding - UMS-2 measurement - reflector geometry	- inertisation - cooling roller - undershielding - stacking concept - zone switching
Maintenance	lamp replaceable	LED modules replaceable
Remote maintenance „Remote Ready“	✓	✓
Format switching	✗	✓



BLK® LAMPcure:

The most efficient UV system of its kind

BLK® LAMPcure is especially developed to meet the highest requirements. When compared to conventional UV systems, remarkable progress has been made in the drying performance of the BLK® LAMPcure without having to increase the UV output. This means greater productivity with reduced operating costs.

Hot Swap Technology

BLK® UV systems are fitted with the same ELC® type electronic power supply devices as standard. They can be used to continuously regulate the dimming range of the UV lamp. Both BLK® LAMPcure and LEDcure units can be operated interchangeably with the same ELC®.

FLC® Fast Lamp Change

The cordless FLC® UV lamp system enables the UV lamp to be changed quickly and easily. It can be removed from the lamp unit with just one movement.

IPS control generation

The intelligent IPS Control System allows for a variety of additional functions, such as IST Remote Service.

UV measurement

The UV system is prepared as standard for UV measurement. The integrated UV online sensor controls the current lamp power permanently and allows to check the power in the touch panel.



Warranty

IST METZ provides a warranty for 10,000 operating hours on URS® type reflectors and 2,500 operating hours on UV lamps.

URS® inlay reflector

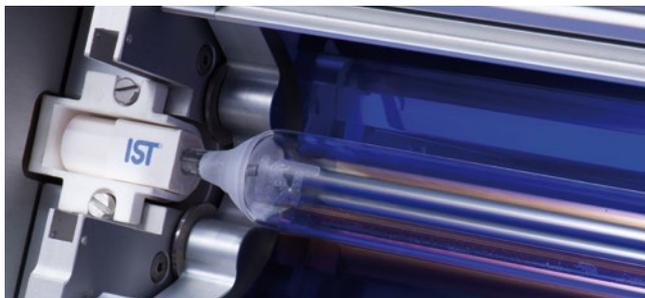
The geometry for the BLK® LAMPcure reflectors has been further optimised, enabling a maximum UV yield and an additional output of 10%.

Inert gas operation

An inert gas version of the BLK® LAMPcure is also available for special requirements, such as in the food packaging sector. More than 20 years of experience in this sector guarantee the perfect integration and very low gas consumption.

Electronic power supply devices – optional

Linked to the printing speed, the ELC® controller can continuously adjust the lamp output between around 30 and 100%. In standby mode, the power is automatically reduced to a minimum.



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