

MBS® LAMPcure: Two curing technologies. One power supply.



The new generation of the MBS® UV system for label printing is based on innovative solutions: The URS® Duo Reflector Technology and the ELC®-X electronic power supply device deliver a significant reduction in operating costs, leading to more economical production with consistently high quality and productivity, all that at relatively low investment costs.

Hot Swap Technology based on ELC®-X

MBS® UV systems are fitted with the same ELC®-X type electronic power supply devices as standard. They can be used to continuously regulate the dimming range of the UV lamp. Both MBS® LAMPcure and LED-cure units can be operated interchangeably with the same ELC®-X. The compact stacking concept reduces the required space by up to 50% and guarantees easy access to the devices at all times.

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.

UV measurement

The MBS® LAMPcure is set up for UV measurement as standard. The portable UMS-2 UV measurement device enables the output to be controlled as required, thus preventing machine downtimes.

Warranty

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



Economy



In addition to savings achieved by low-energy production, the availability of the printing press can also be improved. The MBS® has been specifically designed to ensure that machine downtimes are reduced. All servicing work can be performed quickly and easily, saving both time and money.

MBS® LAMPcure

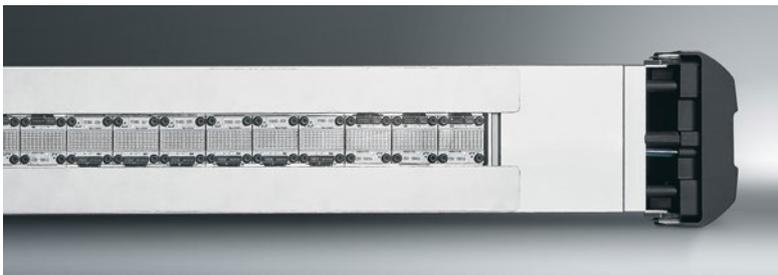
UV curing with an air-cooled lamp system with 120 W/cm; optionally available with an output of 145 W/cm i.e. for low migration printing.

URS® Duo Reflector

The MBS® LAMPcure from IST METZ is equipped with URS® reflectors. The reflectors are made up of cold mirror reflectors with more than 60 different metal oxide layers. The URS® Duo technology delivers a significantly higher level of reflection than conventional reflectors.



MBS® LEDcure: Highly efficient UV technology for label printing



The MBS® range is available in two versions – one system with UV lamp and facility for a subsequent upgrade to UV LED, and one system with UV LEDs and facility for subsequent upgrade to UV lamp.



High-performance LEDs

The MBS® 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, individual modules can be replaced easily if required. LED UV systems from IST METZ are available in different wavelengths (365 - 405 nm).



Air cooling for lamps and LEDs

The exhaust air quantity and the air flow for cooling the MBS® unit have been optimised to reduce the contamination of the lamp and the reflector of the LEDs. Machine downtimes for cleaning are thus kept to a minimum.



Smart Control

The new generation of the MBS® product family is 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.



	MBS® LAMPcure	MBS® LEDcure
UV technology	lamp	LED
Power level	120 W/cm	55 W/cm
Version	145 W/cm low migration	✗
Cooling	air-cooled	air-cooled
ELC®-X electronic power supply device	✓	✓
Control	smart control	smart control
UMS-2 UV measurement	✓	✗
FLC® Fast Lamp Change	✓	✗
URS® Duo reflectors	✓	✗
Run-up time	40 s	1 s
Heat management	optimized for air cooling	optimized for air cooling
Change to LED or lamp system (Hot Swap)	✓	✓
Spectrum – standard	Hg	385 nm
Spectrum – versions	Fe, Galn	365, 375, 395, 405 nm mixed wavelengths
Options	- intertisation - cooling roller - undershielding	- intertisation - cooling roller - undershielding - interrupt circuit for intermittent operation - zone switching
Maintenance	lamp replaceable	LED modules replaceable
Remote maintenance „Remote Ready“	✓	✓
Format switching	✗	✓

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