

# SHEET-FED PRINTING

## BLKS / LUV4

### BLKS

The UV sheet-fed-drying system represents a further optimisation of our proven technology when it comes to output and energy usage. Only two individual plug-in modules with an output of 200 W/cm each are normally used for sheet-fed end-of-press drying. The UV output generated is comparable with a common three-lamp system. Significant energy savings can therefore be achieved, depending on the application.

#### FLC® QUICK-CHANGE LAMPS

The cordless FLC® (Fast Lamp Change) UV lamp system enables uncomplicated and fast lamp changes in just a few seconds.

#### WARRANTY

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

#### COOLING

The UV system features efficient heat management. Cooling the shutter and the reflectors with water dissipates the resulting heat directly and effectively out of the machine. The integrated air cooling ensures uniform operation of the UV lamp.

#### 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.

#### UV MEASUREMENT

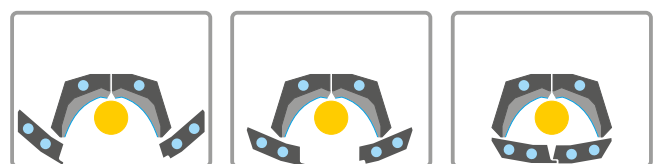
The UV system is prepared as standard for UV measurement. The integrated UV online sensor controls the current lamp power permanently and allows to check the power in the touch panel.

#### DEEP CURE PACKAGE – OPTIONAL

An UV package specially designed for deep curing of thick print layers is available for optimum drying of opaque white.

#### FLEXIBLE SHUTTER POSITIONING FSP – OPTIONAL

The new FSP system for end-of-press, features an exceptionally large reflector opening angle. When printing on temperature-sensitive materials, the shutters can be used to limit this opening angle, in order to minimise the influence of the temperature on the substrate.



Shutters opened

Shutters in intermediate position (optional)

Shutters closed

## LUV4

Hotswap Technology enables the operation of BLKs and LUV4 systems for sheet-fed-printing. BLKs can easily be retrofitted to a LUV4 system.

### HIGH-PERFORMANCE LEDS

The LUV4 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 by a LUV4 system.

### WATER-COOLING FOR LAMPS AND LEDS

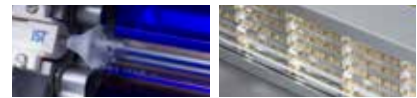
Water-cooling of the LED chips for high efficiency and a long life time of the system.

### 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 BLKs/ LUV4 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.



	BLKs	LUV4
UV technology	lamp	LED
Power level	200 W/cm	75 W/cm
Version	✘	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 Sensor (EOP und ID)	✘
FLC® Fast Lamp Change	✓	✘
URS® Reflectors	✓	✘
Run-up time	approx. 80 s	approx. 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	UMS-2 measurement (only EOP)	
Maintenance	lamp replaceable	LED modules replaceable
Format Switching	✘	✓



☞ WE HAVE THE CURE

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