

Industrial production processes require reliable and economical design technology. The MBS®-L represents a powerful air-cooled UV unit with a lamp length of 550 to 1600 mm and a maximum lamp output of 200 W/cm.

URS® reflector technology

The integrated URS® technology provides optimum adaptation of the reflector geometry and the reflection properties to the production process.

Air cooled UV unit

The complete lack of water cooling allows rapid installation and reduces maintenance costs compared to water cooled technologies.

Shutter system

In standby mode, the reflector closes and shuts off the rays to the web completely.

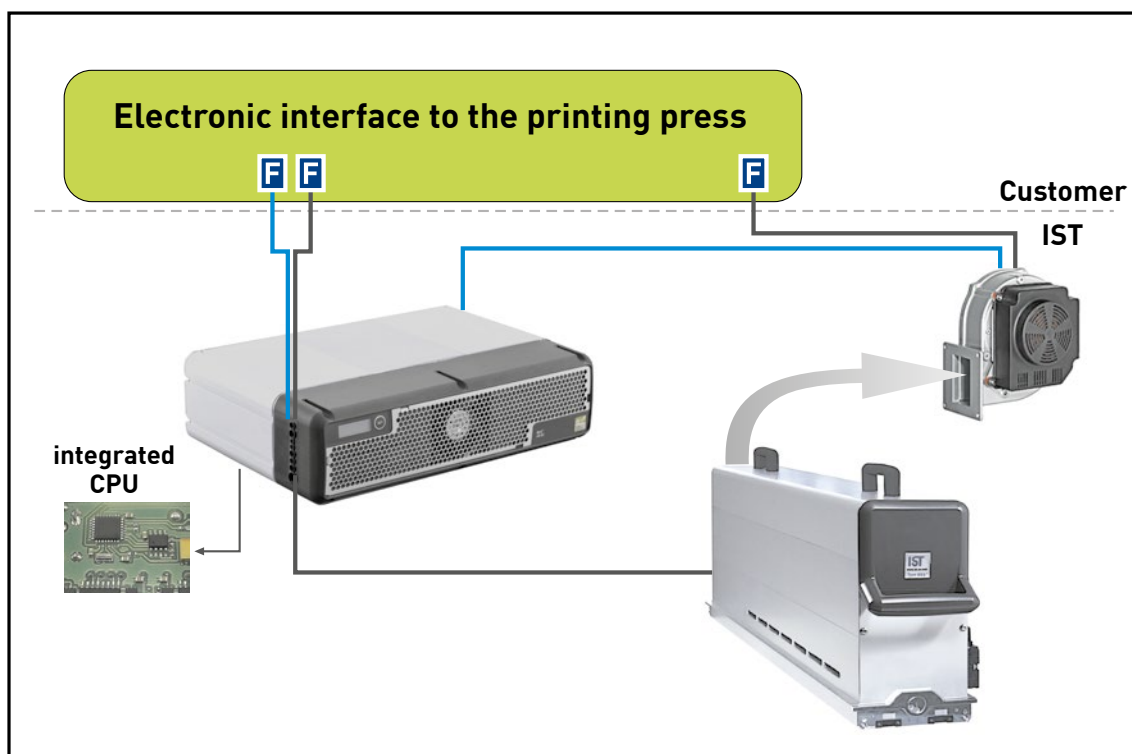
Electronic power supply device ELC®

Electronic power control enables the UV lamps to be dimmed over a range of up to 40% of the maximum lamp output. Voltage fluctuations are compensated and the high efficiency results in considerable energy savings. The power of the UV system is controlled automatically, linked to the production speed. The compact construction means that smaller sizes of electrical supply can be used.

Switching and control unit

Thanks to the use of state-of-the-art actuation and control technologies all established types of system control are possible.

This covers all options from independent control to the complete integration into the existing system by connecting it with the machines printing speed.



Optimum heat dissipation in lamp housing

The MBS®-L features aroma and ozone extraction, which simultaneously cools the lamp and the reflector.

Maintenance friendly

All components in the unit, including the lamp, reflector, pneumatic cylinder etc., are easily accessible. The lamp can be changed without additional works or dismantling of other components.

Option: UV measuring

MBS®-L UV systems are prepared for UV measuring. The UV output can be measured as required using the handy UV measuring instrument UMS-2 to provide complete control over the production parameters and the UV output of the lamps.



Performance characteristics

Lamp length	Remarks
550 – 1100 mm	Vertical- and horizontal operation, exhaust air at the drive side, forced ventilation possible by arrangement
> 1100 – 1600 mm	Horizontal operation, exhaust air at drive side

UV system MBS®-L	
UV technology	lamp
Power level	200 W/cm
Lamp length/ emission window	550 to 1.600 mm
Cooling	air-cooled
Electronic power supply	ELC-Xi ELC-PE
Control	externally via customer (up to a lamp length of 1200 mm standard)
UMS-2 UV measurement	✓
FLC® Fast Lamp Change	✓
URS® reflectors	✓
Heat management	optimized for air cooling
Spectr++um – standard	Hg
Spectrum – versions	Fe, Galn
Options	- quartz glass screen - with own control and cabinet - undershielding
Maintenance	lamp and reflectors replaceable
Remote maintenance „Remote Ready“	depending on version

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