

UV LED UniJet S-Series

For intermittent & rotary letterpress and offset printing

The UniJet S-Series is specifically developed for intermittent letterpress, rotary letterpress, and offset printing presses, with the added flexibility to be mounted on flexo printing machines. This series sets a new standard for performance and efficiency in the industry.

Designed with the needs of printers and on-site operators in mind, the UniJet S-Series not only reduces power consumption but also significantly enhances work efficiency.

General features

- ◆ Air-cooled
- ◆ Standard wavelength of 385 nm with flexibility for customers to request 395 nm
- ◆ Available in three modular sizes
- ◆ Option of including or excluding a removable mirror, which can be used to change the radiation characteristic between wide and focused
- ◆ Peak irradiance without a mirror is 10.6 W/cm², with a mirror 3.5 W/cm², both measured at a working distance of 10 mm



The UV LED UniJet S series offers three different flat window sizes, catering to various printing needs. Depending on the specific press and mounting situation, speeds of up to 200 m/min can be achieved for curing UV LED inks, maximizing productivity without compromising quality.

For added convenience, the S-Series modules are available for individual purchase or as a complete set, which includes essential accessories such as power cable, control cable, power supply box (incorporating the control unit), printer interlocking cable, and AC cable.

Unique Product Features

- ◆ Easily removable mirror, enabling also irradiation at high illuminance levels
- ◆ Partial activation: individually controllable LED boards depending on web width requirements
- ◆ Simplified maintenance for glass and filter replacement
- ◆ Optimised design preventing ink mist and paper dust from entering the module
- ◆ Advanced temperature rise warning system to prevent malfunctions

These specifications ensure optimal curing performance across different printing setups, empowering users to achieve superior results consistently.

Applications

- ◆ Intermittent letterpress
- ◆ Rotary letterpress
- ◆ Offset printing
- ◆ Flexo printing

Product	UniJet S240_S	UniJet S300_S	UniJet S360_S
Window size (mm)	254 x 44	314 x 44	374 x 44
Length (mm)	515	515	565
Width (mm)	125 + 33	125 + 33	125 + 33
Height (mm)	210 + 65 (module + light shielding box)		
Peak Irridiance (w/cm ² W.D.10mm)*	Mirror: 3.5, Flat window: 10.6		
Dose Power (mJ/cm ² 50m/min)*	Mirror: 377, Flat window: 396.5		
Weight (kg)	13.9	14	14.8
Input Wattage (kW)			
Power: 100% (70%)	2.9 (2.03)	3.5 (2.45)	4.2 (2.94)

* The data is measured by Ushio.

Module with mirror

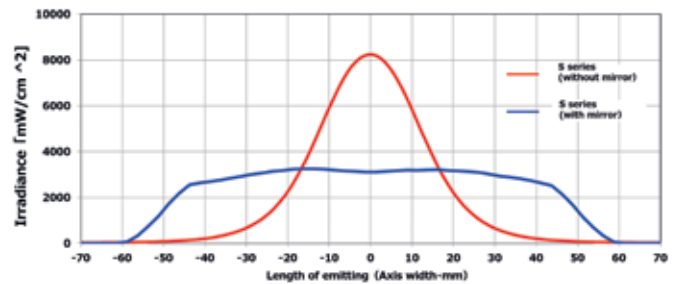


Removable mirror



Light shielding box

Module without mirror



Developing Solutions Together

Ushio is a partner that listens to your ideas and requirements. Let us optimise your processes according to your specifications and expectations. Use our expertise to develop a tailor-made solution that matches your needs.

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