



Your Partner in IR
and UV Technology

Flexo UV LED Curing System

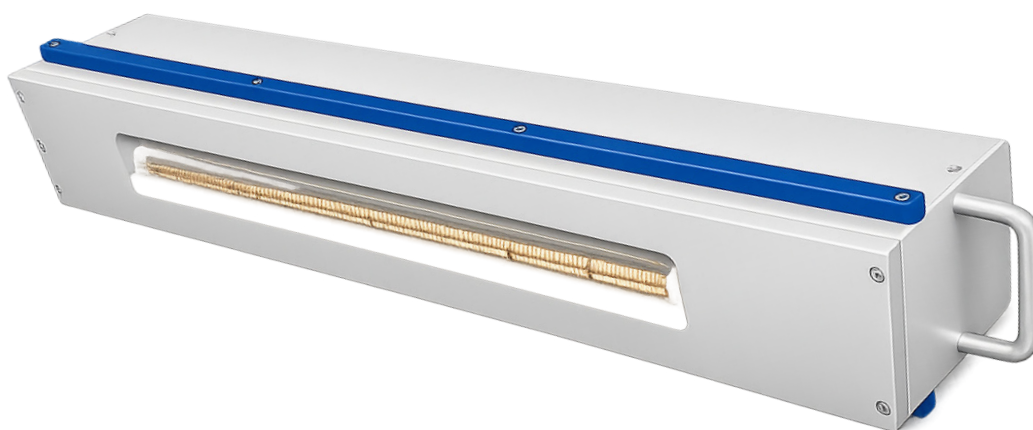




Built for the Presses You Already Run

Our Flexo UV LED curing system slots straight onto the platforms you're already running — from OMET and Bobst to Mark Andy, Nilpeter and Gallus. Water-cooled and built for speed, it delivers up to 30 W/cm² of optical intensity, keeping curing consistent even at production speeds beyond 200 m/min.

High-Intensity Up to 30 W/cm² LED Technology for Flexo, Narrow Web & Label Printing



Features

1. High-Power Output

- 25 W/cm² and 30 W/cm² intensity options, so you can match the system to your speed and substrate.
- Consistent curing performance maintained even at printing speeds above 200 m/min.

2. Advanced Cooling & Safety

- Our water-cooled architecture prevents condensation on the lamp head and delivers optimal, low-noise performance — ideal for dust-free workshops and cleanroom environments.
- Real-time temperature monitoring with high-temperature alerts keeps every run safe.

3. Instant On/Off Operation

- Immediate full power, with no warm-up or cool-down required.
- Enhances productivity and cuts energy consumption between jobs.

4. Cool Light Source for Sensitive Materials

- Low-heat LED output prevents shrinkage and distortion in heat-sensitive films and labels.
- Integrated air-cooling brackets give fast heat dissipation on shrink applications, reducing material loss.

5. Smart, Adaptive Control

- Our Automatic Width Sensor adjusts UV irradiation width to match the sensed print material — detecting both transparent and opaque substrates.
- PLC + HMI control gives precise digital dimming from 1–100%, with full parameter monitoring at your fingertips.

6. Modular & Interchangeable

- Swap UV mercury and UV LED cassettes without reworking your press — the control system automatically detects lamp type.
- Choose full LED, full UV, or hybrid integration to match your curing strategy, with quick, space-saving maintenance.



Technical Data

FLEXO UV LED CURING SYSTEM

Designed to Fit Your Press

Our Flexo UV LED lamps are engineered and configured for leading flexo and narrow web platforms, including

- OMET iFlex 370
- Mark Andy 2200 17 "
- Bobst M1
- Nilpeter FB-3300
- Gallus EM 280



Technical Specifications



Parameter	Value
Optical Intensity	25 W/cm ² / 30 W/cm ²
Wavelength Options	385 nm / 395 nm
Cooling Method	Water-cooled
Power Consumption	2–2.5 kW (single lamp)
Power Adjustment	Digital dimming (1–100%)
Control Type	PLC + HMI
Voltage	AC 220/380 V (50/60 Hz)
Lifetime	≥30,000 hours
Ambient Temperature	-20°C to 50°C
Relative Humidity	25%–80% RH
Integration Options	Full LED / Full UV / UV LED hybrid / UV LED interchangeable

Whether you're curing film, label stock or shrink sleeve, our lamps are built to match your press, your speed and your substrate.

Available Options

1. Automatic Width Sensor. Automatic Width Sensor Automatically adjusts UV irradiation width based on sensed print material width — detecting both transparent and opaque materials.

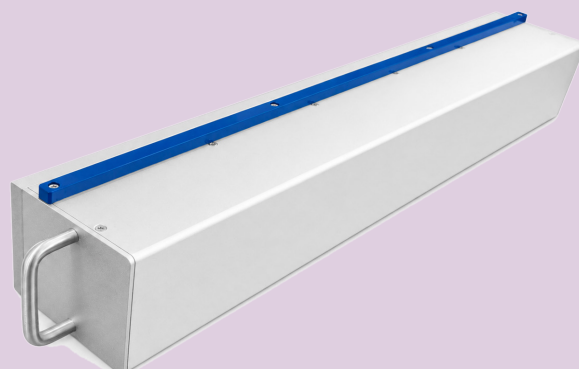
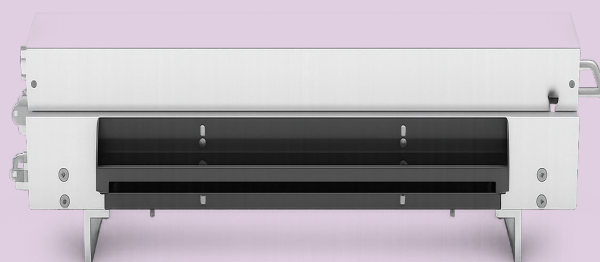
High-Quality Light Source

- Premium LED — original imported LED chip
- Superior Heat Dissipation — high thermal conductivity 3D aluminium nitride ceramic COB
- Precision Optics — quartz lens for enhanced UV performance

2. Design for Shrink Materials Integrated air-cooling bracket for fast heat dissipation of heat-sensitive materials, reducing material loss.

Modular Design & Compatibility

- Space-saving, with quick maintenance and replacement.
- Easily interchangeable UV and UV LED lamp cassettes — our control system automatically detects lamp type, improving flexibility and efficiency in printing and curing.





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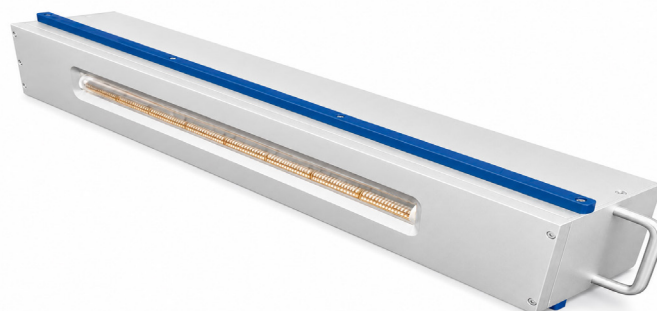
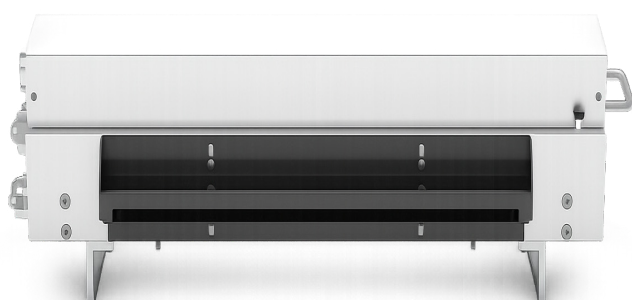
FLEXO UV LED CURING SYSTEM

Applications

- Flexographic printing
- Narrow web label production
- Shrink sleeve and film curing
- Retrofit and OEM press integration (OMET, Bobst, Mark Andy, Nilpeter, Gallus)

Benefits

- Up to 70% energy saving vs. conventional UV mercury lamps
- Up to 30x extended lamp lifecycle
- Automatic width sensing for material efficiency
- Modular, interchangeable lamp cassettes
- Quiet, low-noise operation suited to clean environments
- Instant on/off, ready for production speeds of 200+ m/min



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