



Your Partner in IR and UV Technology

Air-Cooled UV LED Curing System





Revolutionising Print Curing Efficiency

VICTORY Air-Cooled UV LED curing system delivers unmatched curing performance and energy efficiency for demanding flexographic and narrow web printing environments.

Engineered with cutting-edge LED technology, this air-cooled system provides 26 W/cm of peak irradiance, enabling high-speed curing with exceptional print quality and reduced operating costs — without the complexity of water cooling.

High-Performance 26 W/cm LED Technology for Flexo, Narrow Web & Label Printing



Features

1. High-Power Output

- 26 W/cm irradiance ensures complete curing at the highest production speeds.
- Optimised optical design provides uniform UV intensity across the web width for consistent results.

2. Air-Cooled Efficiency

- Advanced thermal management eliminates the need for water lines, pumps, and chillers.
- Compact, lightweight design simplifies integration into existing presses.
- Quiet, efficient fans maintain optimal LED temperature for long-term stability.

3. Instant On/Off Operation

- No warm-up or standby required — instant curing from the first label.
- Reduces downtime and power consumption during press stops.

4. Long LED Lifetime

- Less than 20,000 hours of LED life minimises maintenance and replacement costs.
- Stable UV output ensures consistent curing over the entire service life.

5. Environmentally Friendly

- Mercury-free and ozone-free operation meets modern sustainability goals.
- Up to 70% energy savings compared with traditional mercury arc lamps.

6. Modular & Scalable

- Available in custom widths for narrow web applications up to 600 mm.
- Modular design allows easy retrofitting to existing flexo or hybrid presses.
- Optional integration with press control systems for automated operation.



Technical Data

AIR-COOLED UV LED CURING SYSTEM

Technical Specifications

Parameter	Value
Peak Irradiance	26 W/cm
Wavelength Options	365 nm / 385 nm / 395 nm / 405 nm
Cooling Method	Air-cooled (integrated fans)
Typical Working Distance	5–15 mm
Lifetime	>20,000 hours
Input Voltage	230 V AC (single phase)
Communication Interface	Ethernet / RS485 / Analog / Digital
Dimensions	Customisable to press width
Control Options	Local HMI / Press integration



Whether you're printing **labels, flexible packaging, or shrink sleeves**, Victory Air-Cooled UV LED system provides the performance, reliability, and energy efficiency required to stay competitive. Its **air-cooled architecture** makes it ideal for compact press environments, while its **high irradiance** ensures compatibility with a wide range of **UV LED inks, coatings, and varnishes**.



Technical Data

AIR-COOLED UV LED CURING SYSTEM

Applications

- Flexographic printing
- Narrow web label production
- Hybrid digital/flexo presses
- Varnish and overprint coating stations

Benefits

- Instant-on performance
- Maintenance-free operation
- Compact, easy integration
- High curing speeds
- Sustainable, mercury-free design
- Long lifetime with consistent UV output



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