UWAVE
UV LED & OPTICAL | SMART SOLUTIONS

UPIN ™

Powerful and **Accurate** UV LED system for pinning processes

Power
LED irradiance up to 4W/cm²

Latest UV LED generation

Technologies
UWAVE Know-how

- FUSION DRIVE™
- SMART BLADE™

Wavelength
365, 385, 395 or 405 nm

Wide range of UV curing applications supported

Great thinness to optimize your manufacturing process

Thanks to these technologies, the high accuracy of the **UPIN™** will be stable over time and easy to control.

FUSION DRIVE™

UWAVE has designed its products in order to fit OEM and SI requirements.

Thanks to this technology, it is possible to control the **UPIN™** directly from the PLC (Programme Logic Controller). Many options are available such as the temperature monitoring, the control of the UV irradiance and the time of insolation.

SMART BLADE™

In industries, noise reduction is a growing issue.
Aware of this concern **UWAVE**, decided to develop this technology.

The **SMART BLADE™** technology analyzes the data provided by the UV LED source to control the fans in real time and thus minimize the noise. By optimizing its own temperature control, our sources are guaranteed both stable and durable.

Examples of applications

Pre-curing of UV inks for screenprinting in cosmetic industry.

Pre-curing of UV inks for printing machines.

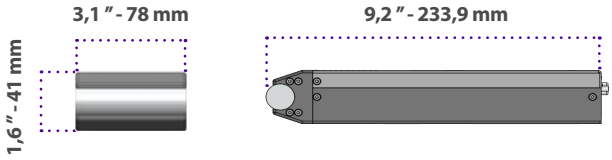
Curing or pre-curing of UV inks and varnishes for industrial applications.

UWAVE Know-how

Thanks to its optional integrated optical system, the **UPIN™** is able to cure very thin areas with precision. It will allow you to preserve screen-printing screens during any curing processes that may require extreme precision.

This product meets the requirements of high printing and curing rates.

Dimensions*



*Dimensions are given for a UPIN™ of 75mm.
Contact us for other avalailable lengths.*

Advantages of UV LED Technology

The **UPIN™** can be switched ON and OFF as often as necessary and has much higher output power stability than other technologies.

UV LEDs do not emit infrared radiation, thus heat sensitive materials can be processed. UV LEDs are eco-friendly as they do not create ozone, do not contain mercury and only need a few watts to operate.

Technical Information

Wavelength	365 nm	385 nm	395 nm	405 nm
Max Irradiance	3,2 W/cm²	4 W/cm²		
Electrical power input	~ 150 W for UPIN-XXX-YY-0075			
Mains Supply	48 V DC			
Optical options	MEDIUM - FOCUS			
Weight	1 kg			
Part Number	UPIN-XXX-YY-ZZZZ			

XXX = Wavelength in nm
YY= Max Irradiance in W/cm²
ZZZZ = Optical length in mm

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To learn more about our UV curing solutions please visit www.uwave.fr