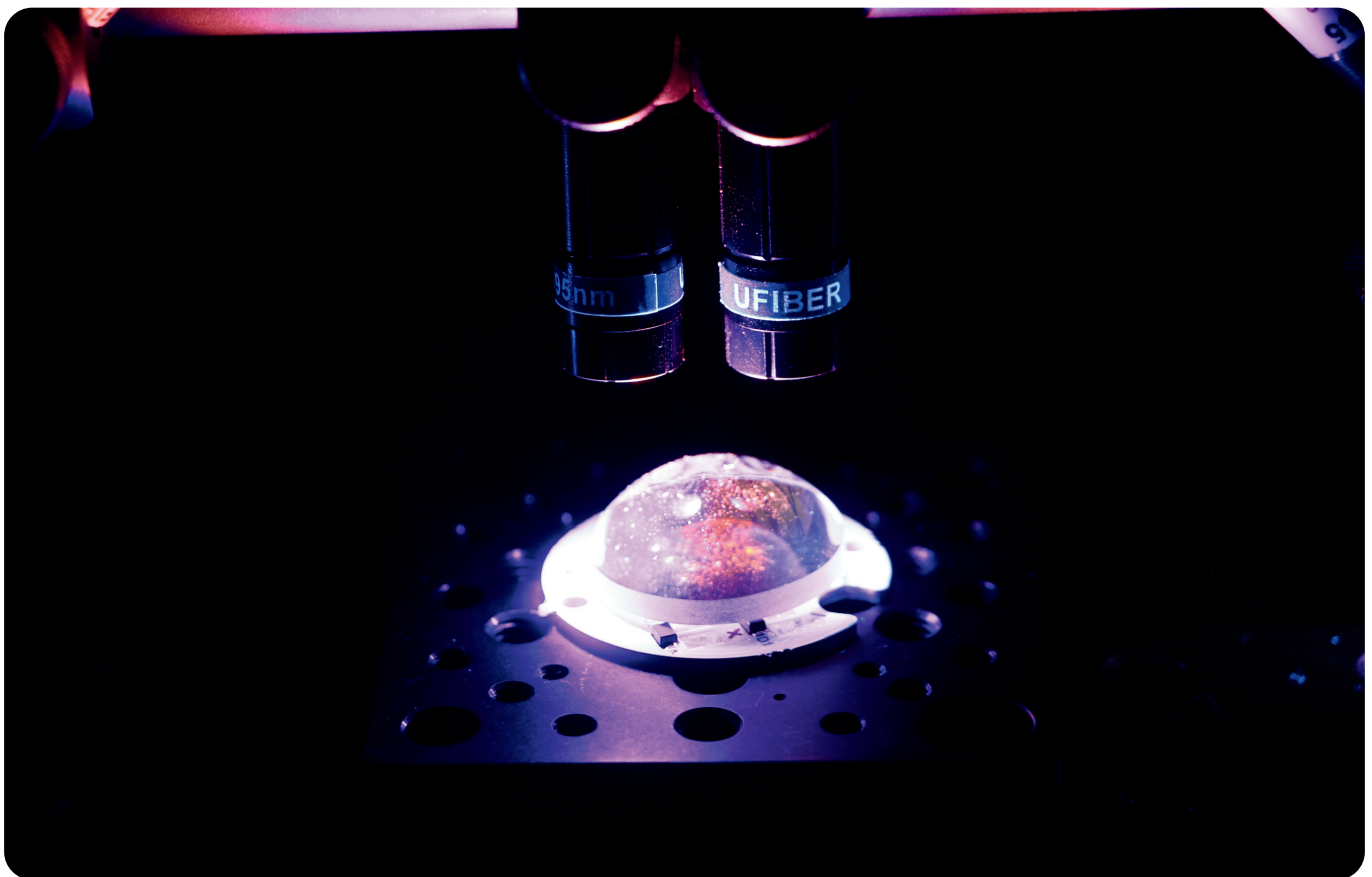


UWAVE

UV LED & OPTICAL | SMART SOLUTIONS

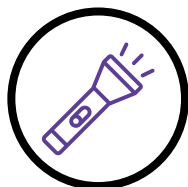
UWAVE designs, prototypes, manufactures and industrializes **UV LED lighting systems** that meet industrial and laboratory requirements. Optical expertise, LED integration mastery and **UV applications** experience allow **UWAVE** to offer innovative solutions at the forefront of technology.



OUR APPLICATIONS



UV CURING



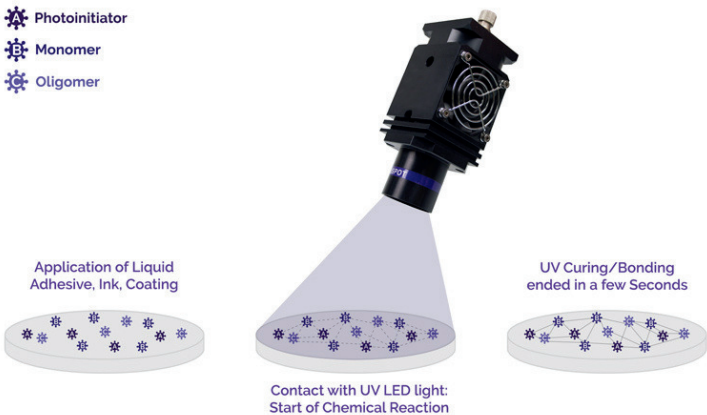
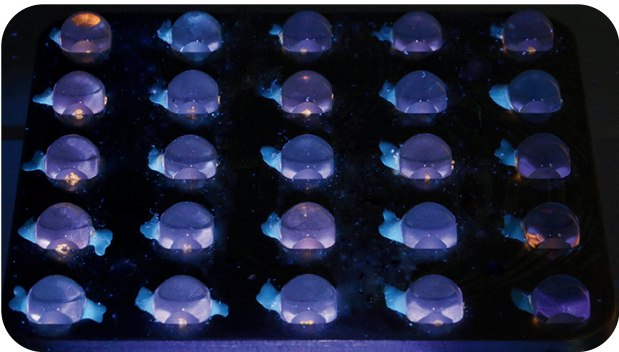
FLUORESCENCE



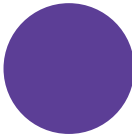
DISINFECTION

UV CURING

UV curing is a photochemical reaction to cure or dry inks, adhesives, resins or coatings using high-intensity UV-A light.



UV SPOTS	Output window	Peak irradiance*	Key features
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UPEN		 10mm	2 W/cm2	- On - battery - Easy to use - Delivered in kit
UTARGET		 15mm	2 W/cm2	- Easy to use - Adjustable optic - Delivered in kit
UFIBER		 12mm	2 W/cm2	- Compact spotlight - Deported electronics - Commutable lenses
USHARP		 25mm	0,1 W/cm2	- Adjustable optic and working distance - High homogeneity
USPOT		 40mm	4 W/cm2	- High power - Collimated optics - Smart external control
USPOT-WINDOW		 40mm	6 W/cm2	- High-power - Delivered in kit - Smart external control

* Optical data given for UV-A wavelengths 365, 385, 395 and 405nm and measured at 10mm working distance.

UV CURING

UV FLOODS	Output window	Peak irradiance*	Key features
UCUBE-10	 100 x 100mm	0,25 W/cm2	• Great homogeneity • Collimation optics • 100 x 100mm flood
UCUBE-10-HP	 100 x 100mm	1 W/cm2	• High power • Collimation optics • 100 x 100mm flood
UCUBE-15	 150 x 150mm	0,35 W/cm2	• Great homogeneity • Collimation optics • 150 x 150mm flood
UCUBE-20	 200 x 200mm	0,30 W/cm2	• Great homogeneity • Collimation optics • 200 x 200mm flood
UBAR	 200 x 50mm	0,50 W/cm2	• Series installation • Great homogeneity • 200 x 50mm flood

UV CHAMBERS	Working area	Peak irradiance*	Key features
UV CHAMBER	 300 x 300 mm	1 W/cm2 or 0,25 W/cm2	• UCUBE-Integrated • Plug & play system • Secured unit • Multiple options
UV OVEN	 160 x 160 mm	0,25 W/cm2	• High homogeneity • Plug & play system • Secured unit • Compact unit

* Optical data given for UV-A wavelengths 365, 385, 395 and 405nm and measured at 100mm working distance.

UV CURING

UV LINES	Output window	Peak irradiance*	Key features
UPIN	 375mm 300mm 225mm 150mm 75mm	6 W/cm2 or 4 W/cm2	- Focalisation optics - Flexible length - Thin & precise line
USTRAIGHT	 375mm 300mm 225mm 150mm 75mm	12 W/cm2	- Air cooling - Flexible length - High power
ULINE	 375mm 300mm 225mm 150mm 75mm	16 W/cm2	- Water cooling - Flexible length - High power
UV CONVEYOR	 150mm 75mm	Adaptable for UPIN USTRAIGHT ULINE	- Table-top Conveyor - Adjustable height and speed

* Optical data given for UV-A wavelengths 365, 385, 395 and 405nm and measured at 10mm working distance.

ACCESSORIES

UPOWER



- Power supply units adapted to all UWAVE lightings
- Manuel settings: cycle time, light intensity, START & STOP
- External control through a PLC or manual start with foot pedal

- Wide range of UV LED measurement devices
- Adapted to UVC, UV-B, UV-A and visible wavelengths
- Portable disc or detector with probe systems



RADIOMETER

FLUORESCENCE

Fluorescence is a physical property of specific photosensitive substances which can emit visible light and be easily detected when they are excited by another light.



	Output window	Wavelengths available	Key features
UFLUO-HAND	 50 x 100mm	255 to 940nm	- On-battery - Up to 5h autonomy - Easy to handle - Delivered in kit 365nm-PUV version compliant to ASTM E3022
UFLEX	 1200mm 1100mm 100mm steps 200mm 100mm	255 to 940nm	- Flexible length - IP67 version - High homogeneity - AC or DC versions - Easy mechanical integration

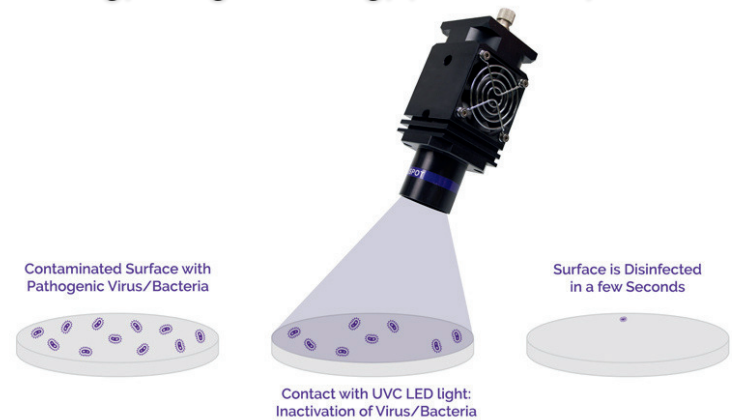
Explore our available LED wavelengths

UWAVE empowers you with the perfect lighting fit for your application by offering a wide range of ultraviolet (UV), visible (VIS) and infrared (IR) wavelengths.

UV-C	UV-B	UV-A	BLUE	VISIBLE	INFRARED
255nm 265nm 275nm	295nm 310nm 325nm 340nm	365nm 385nm 395nm 405nm	440nm 455nm 465nm	525nm 625nm White	780nm 850nm 940nm

DISINFECTION

UV-C light stands as an innovative disinfection technology using the energy produced by short-wavelength germicidal UV rays.



	Output window	Wavelengths available	Key features
UPIN	 10 x 75mm	255 to 275nm	• High-power • Portable Lamp • Delivered in kit
UFLEX	 1200mm 1100mm 100mm steps 200mm 100mm	255 to 275nm	• Flexible length • IP67 version • High homogeneity • AC or DC versions • Easy mechanical integration
USPOT-WINDOW	 40mm	255 to 275nm	• High-power • Smart external control • Delivered in kit

UV SAFETY



UV protection consulting to ensure optimal safety when dealing with high-irradiation UV products.



Custom-made UV shields protect all workers by isolating UV-exposed areas effectively.



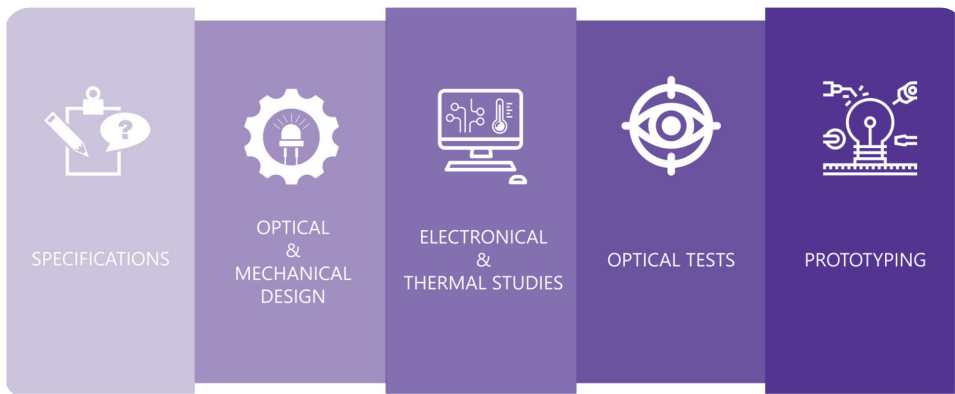
Protective goggles that prevent UV rays from causing eye damage.



CUSTOMIZATION AND EXPERTISE

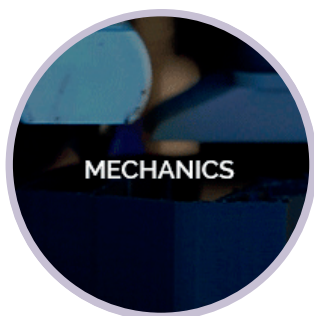
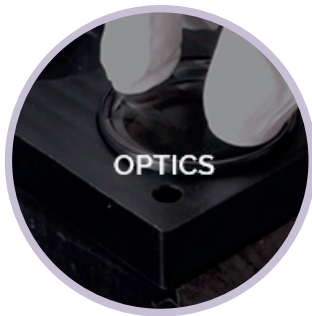
Customization

With its expertise in optics and its experience in designing and manufacturing UV LED systems, **UWAVE** helps industries and laboratories around the world at every stage of their project: from modeling and prototyping to industrialization.



Expertise

Innovation is embedded in the DNA of the company since the beginning. **UWAVE** differentiates itself through cutting-edge UV LED lighting design thanks to its experienced engineering team.



Our highly skilled sales team understands customers technical & economic requirements. **UWAVE** aims to contribute to the success and satisfaction of its customers by delivering the most suitable (standard or tailor-made) UV LED solutions.





UV LED & OPTICAL | SMART SOLUTIONS



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Visite our website or contact us to learn more !

