

NEW



UWAVE's new **Compact & Powerful** UV LED curing chamber

Available January 2023

### Homogeneity

More than 85% on total surface

Reliable and repeatable  
UV emission

### Irradiance

More than 250mW/cm<sup>2</sup>

High intensity for fast curing

### Wavelength

365, 385, 395 or 405 nm

Adapted to different  
UV applications

## Different timer and UV irradiance settings in a secured unit

The **UV OVEN** is the most ergonomic UV LED system. To control the time of the UV exposure and the power of the irradiance has never been easier!

Thanks to its design and technology, the **UV OVEN** has a homogeneous and powerful UV light resulting in an efficient UV curing with more than 250mW/cm<sup>2</sup> irradiance.

The internal dimensions are 175x195mm and the UV reflective panels inside improve the optical homogeneity to more than 85% on the irradiated surface.

Thanks to a digital controller UV light intensity can be fixed between 10% and 99%. Exposure time can also be defined between 1 sec and 100 min.

An intelligent security system between the lamp and the door avoids unwanted UV light exposure by cutting off the illumination if the door is open.

Thanks to the security window, it is possible to see without any risks the interior of the **UV OVEN** during the UV exposure.

This device is Plug&Play so it only needs to be plugged to the mains. Then select the parameters, close the door, and launch the UV curing process.



### Examples of applications



UV tests for chemical formulations and UV bonding for medical assemblies.



Semi automated UV curing for the cosmetic industry.



Assembly of components in the opto-electronic industry.

### Dimensions

#### External:

- Height = 410mm
- Width = 270mm
- Length = 330mm

#### Internal:

- Height = 185mm
- Width = 175mm
- Length = 195mm



### Advantages of UV LED Technology

The **UV OVEN** 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.



For any inquiries, contact  
**UWAVE** sales team or  
purchase it directly on our  
web shop.



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