# UWAVE
UV LED & OPTICAL | SMART SOLUTIONS

# UV CHAMBER ™

The most **Ergonomic** & **Powerful** UV LED curing cabinet

## Homogeneity
**More than 90%**

Reliable and repeatable curing

## Easy-to-use
**Plug&Play solution**

Simple interface system

## Wavelength
**365, 385, 395 or 405 nm**

Wide range of UV curing applications supported

**Distributor**

**ams**TECHNOLOGIES
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# Different timer, power and working distances
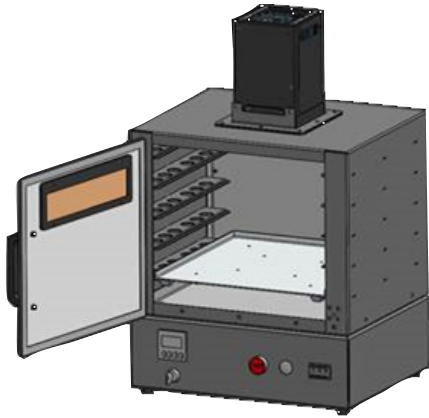
The **UV CHAMBER™** is the most ergonomic UV LED system. To control the time of the UV exposure and the power of the irradiance has never been easier!

You can choose between different set up for your sample depending on where you place the tray.

Thanks to the design and the technology included in the **UV CHAMBER™**, you will have an homegeneous irradiance and an efficient UV curing whatever the position of the tray.

The dimensions of the tray are 300 x 300 mm. The different positions available for the tray are 5 / 10 / 15 / 20 / 25 centimeters from the emitting window of the UV LED lamp.

## Additional features

Thanks to a digital controller the UV light power can be fixed between 20% and 100% the 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, you will be able to see without any risks the interior of the **UV CHAMBER™** during exposure.

## Examples of applications

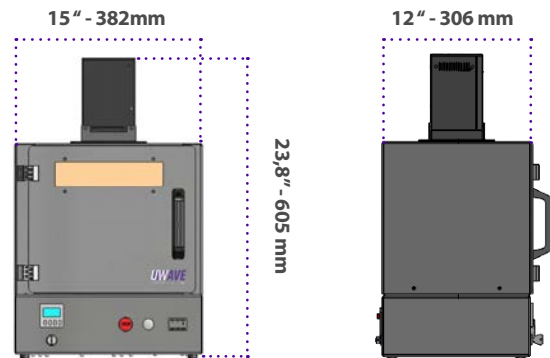UV tests for chemical formulations and UV bonding for medical assemblies.

Semi automated UV curing for the cosmetic industry.

Assembly of components in the opto-electronic industry.

## Dimensions

15" - 382mm

12" - 306 mm

23,8" - 605 mm

## Advantages of UV LED Technology

The **UV CHAMBER™** 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.

**Risk Group 3**
*According to EN62471:2008*
UV emitted from this product. Avoid eye and skin exposure.

## Technical Information

| Max Irradiance | 1000 mW/cm² | 250 mW/cm² |
|---|---|---|
| Wavelengths | 365 nm, 385 nm, 395 nm, 405 nm | |
| Electrical Power Input | ~ 400W | ~ 100W |
| Main Supply | 100-240V AC | |
| Weight | 18 kg | |
| Interior Dimensions | 300mm x 300mm x 300mm | |
| Part Number | UVCHAMBER-XXX-100 | UVCHAMBER-XXX-025 |

XXX = Wavelength in nm

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