

# Advantages of the UVmastercare system

## Powerful

The most powerful UV-C technology on the market. More than 35mJ/cm<sup>2</sup> over the entire surface of the cabinet.

## Fast

The total decontamination of the air and surfaces of a 16m<sup>2</sup> cabinet is completed in 4 minutes.

## Efficient

Our two mobile and lightweight devices ensure the inactivation of 99.99% of the viral load of COVID-19 in the aerosol.

## Secure

A unique complement to barrier gestures.

# UVmastercare

Amalgam premium UVC technology for effective and fast germicidal treatment of your practice.

A system designed and developed especially for dental practices.

Un produit de IoTCo SA - Tous droits réservés

Parc Scientifique de Liège  
24 Avenue Pré-Aily 4031 Angleur

[www.uvmastercare.com](http://www.uvmastercare.com)



**ALLMEDICS bv**

Mechelsebaan 3  
3140 Keerbergen  
België

[order@allmedics.eu](mailto:order@allmedics.eu)

[www.allmedics.eu](http://www.allmedics.eu)

ALLMEDICS kantoor: 0468/341218

Antonella Van Extergem: 0468/227209

## How does the Uvmastercare solution work?

After the patient has left, the dentist performs routine surface disinfection: seat, cyalitic lamp, spittoon and instrument block before completely clearing the work surfaces.

The UVMaster172 is placed close to the chair and in the diagonal of the seat, the UVSlave172.

After plugging them in, the ignition is switched on with the key. The green LED lights up and the display shows the programmed treatment time.

Once the key is turned to the right, the light turns orange and the 30" countdown timer is displayed and starts with an audible signal (repeating beep).

The dentist then leaves the room by closing it. He can follow the progress of the disinfection thanks to the display on the remote control which will signal the end of the treatment.

## Dental aerosol can carry the coronavirus

The Covid-19 is transmitted through micro-droplets and saliva, by direct or indirect projection.

However, a dental aerosol can have a range of 6 meters and remain in suspension for 3 hours.

Covid-19 has been proven to have a high level of outdoor viability. Therefore, the creation of the aerosol, and the associated cloud of droplets < 10 microns, considerably increases the risk of contamination.



## Proven technology

Viruses of this type are more sensitive in aerosol suspension than on surfaces. In the aerosol, a dose of 2 milli-Joules/cm<sup>2</sup> is sufficient, on surfaces 35 mJ/cm<sup>2</sup> is required. These irradiation doses are evaluated with a good safety margin.

The effect of UVs decreases with distance, and even with the square of the distance. So the viral inactivation will depend on:

- the number of lamps - the size of the room - the spacing between the lamps.
- the time of action - the practitioner's decision to decontaminate only the ambient air or the air + surfaces.