

# Superior disinfection performance with UVC technology

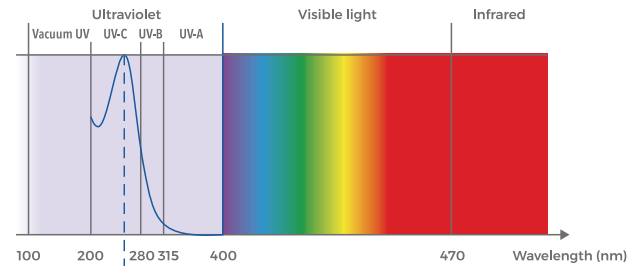


# UVC – a paradigm shift for safe and efficient disinfection.

Infections are an increasing problem in hospitals and healthcare in general. While conventional methods, i.e. manual cleaning and disinfection are not replaceable in infection prevention programs, the use of UVC technologies has proven to be an effective addition to current disinfection programs. The use of UVC to disinfect rooms, air, surfaces and small items is becoming increasingly common.

UVC has been applied in the United States for about seven years and is mainly used as a preventative measure. In Europe, the use of UVC disinfection is increasing fast.

Our UVC Led light-based efficiency on pathogens, bacteria and viruses is 99, 9999 %.



For more than 30 years, UVC has been the standard for disinfection of air, water, food, and biotech..

UVC light disrupts DNA and RNA of pathogens, eliminating their ability to replicate. UVC is superior because it eliminates viruses and bacteria regardless of drug resistance and without chemicals. The technical solution has a better range, effectiveness and total disinfection result than alternatives such as chemicals and algogel solutions.



# Benefits for staff, patients and management.

UVC is effective, safe, and cost effective for the elimination of all viruses and bacteria. It is extremely efficient. Evidence supports the role of UVC radiation in successfully inactivating the SARS-CoV-2 coronavirus at very low UVC light doses. The same is the case for MRSA and other bacteria commonly existing in hospital environments.

UVC LED is also energy efficient and environmentally friendly. This is not the case for chemical disinfection liquids or other similar solutions, which are hazardous for the environment.

The fact that our UVC solutions are fully automatic, the use of manual and chemicals disinfection is less needed, which results in time-saving and a safer environment.

- 1 Saves time**  
The disinfection process is fully automatic and disinfect in seconds.
- 2 Reduce cost**  
High and reliable disinfection results: 99,9999 % efficiency on pathogens, bacteria, and viruses in combination with less use of chemicals helps to reduce costs.
- 3 Environmentally friendly**  
Easy to install, user friendly products with long lifetime and no maintenance.
- 4 Safe for the user**  
No chemicals are used during the disinfection process, less risk of overdosing or allergic reactions. Completely mercury free.



# Explore our unique features

With high speed and reliability, our UV light products disinfect medical instruments and equipment. Our products can be used in a wide range of applications, from disinfection of hospital beds, wheelchairs to smaller items.

Our products are easily installed, and the process of disinfection is fully automatic.

Materials used and components are carefully selected to optimize performance. We take pride in being a partner in integrating the product with your everyday workflow. The optimal solution to reduce spread of infection may depend on frequency and contact with visitors and other people in the near proximity of patients or staff at the hospital.

## Box

Capsule the UVC light inside the box to make sure no leakage of UVC. This to secure the staff operating the box.

## Screen

Show status of UVC disinfection process

## Environment

Only UVC light is used to disinfect which means no harmful chemicals are needed.

## Dry

Completely dry disinfection = No danger of harming electronics inside object.

## Easy to install

Plug and play, only need of a power outlet.

## Automatic

Fully automatic process of disinfection. Always consistent results, no human-factor. Remove time consuming manual disinfection to free more time for patients.

## UVC LED

High quality UVC LED chip mounted on PCB with external cooler to ensure long lifetime of LED chip.

## Reflector

High reflective sheet-metal in ceiling, floor and all walls, this help the UVC light that miss the object to bounce back to make sure all visible areas get treated with UVC.





# Find the right size for your needs.



## Micro box

Fully automatic plug and play box, designed to disinfect bacteria, viruses, and microorganisms on smaller items, such as reusable face masks, keycards, glasses, phones, surf tablets, keys, ear pods etc. Completely Led based and mercury free.

### Suitable for

Size: Weight 4 kg  
W 220 mm  
H 247 mm  
L 306 mm



## Mini box

Fully automatic plug and play product, designed to disinfect bacteria, viruses, and microorganisms on items such as VR-goggles, small medical devices, stethoscopes, surf tablets, glasses, hand controls etc. Completely Led based and mercury free.

### Suitable for

Weight 6 kg  
W 326 mm  
H 432 mm  
L 343 mm



## L-size box

Fully automatic plug and play product, designed to disinfect bacteria, viruses, and microorganisms on hospital equipment such as wheelchairs, shower chairs, walkers, seat cushions and rollators. Completely Led based and mercury free. Built-in screen to visualize disinfection progress.

### Suitable for

W 850 mm  
H 1360 mm  
L 1337 mm

# Desinfection tunnels

The UVC disinfection tunnel are used in areas where you need to transport and disinfect products between decontaminated areas to sterile areas.

Completely LED-based and mercury free. with built-in screen to visualize disinfection progress.

We also produce and adapt our tunnels depending on customer needs.



## Desinfection tunnel



Fully automatic product, designed to disinfect bacteria, viruses, and microorganisms on hospital equipment such as wheelchairs, shower chairs, walkers, seat cushions and rollators.

# Whitebox Air Cleaner



The UVC air disinfection unit is designed to disinfect air from bacteria, viruses, and microorganisms.

The UVC air unit is perfect for examination and treatment rooms, public areas, waiting rooms, patient rooms, Kindergartens, schools, office areas, elderly care facilities, special livings etc.



## Whitebox Air Cleaner

The unit clean rooms from 30-60 sqm. It has a very low noise level. It comes with standard installation kits for ceiling, wall, or floor.

The unit is also equipped with a built-in UVC reflector increasing efficiency in cleaning the air.



Revolutionising disinfection of viruses, bacteria and pathogens through UV-C technology to achieve a more healthy, productive, and sustainable future for the clients who implement our solutions.

**[www.medguard.ie](http://www.medguard.ie)**  
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**Whitebox**