

## UVD ROBOT MODEL C



DIMENSIONS: L: 75 x W: 55 x h: 178 (cm)

## TECHNICAL SPECIFICATIONS

- TOTAL WEIGHT.....110 kg
- OPERATING TIME..... 2 hours (disinfects up to 12,000 m<sup>2</sup>)
- BATTERY CHARGING TIME.....5 hours
- DISINFECTION COVERAGE.....360 degrees
- DISINFECTION TIME.....8 min - Hotel room, office, cabin (25 m<sup>2</sup>)  
30 min - Conference room, warehouse (500 m<sup>2</sup>)
- CONNECTIVITY..... Wireless (Wi-Fi based)
- MAX SPEED.....2.7 km/h
- UV-C WAVELENGTH..... 254 nm (Ozone free)
- UV-C LAMP LIFESPAN..... 12,000 hours of disinfection
- CHARGING REQUIREMENTS....220-240 VAC, 50 Hz, 6 Amps
- SAFETY..... Software & Sensors Based  
Emergency Stop Button



**VAL EDWARDS JONES**  
EMERITUS PROFESSOR  
OF MEDICAL MICROBIOLOGY

“ The UVD Robot from Denmark is most impressive because of its ability to move autonomously and get within 1m of the surface to be disinfected and also it is capable of moving around objects that can potentially cause shadowing ”



**PAUL CLARKE**  
HEAD OF FACILITIES MANAGEMENT SERVICES  
AT ONE OF UK'S LARGEST NATIONAL HEALTH BOARDS

“ For me, UVD robots should be one of the seven cleaning wonders of the world. UV technology is fantastic. I think UVD robots are amazing. The UVD robot will revolutionise preventative cleaning ”

# UVD ROBOT<sup>®</sup>

## INFECTION PREVENTION



**UVD Robots<sup>®</sup> ApS**  
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**IERA AWARD.**  
Innovation and Entrepreneurship in Robotics and Automation

The UVD Robot<sup>®</sup> is highly effective in the inactivation of harmful microorganisms and it is deployed by hospitals all over the world to protect vulnerable patients from hospital acquired infections. The clinical efficacy of the UVD Robot has been independently tested and validated at the following institutes:



UVD Robots<sup>®</sup> Non-Healthcare V1 - 2020-06-GB

Infection is everyone's  
**PREVENTION BUSINESS**

WWW.UVD-ROBOTS.COM

Introducing the fully autonomous UV-C disinfection solution to protect your staff and customers from the invisible infection threat



The advertisement board between two elevators reassuring guests the hotel is protected by UVD Robots®



Staff at reception explain the benefits of UVD Robot® disinfection to a hotel guest

## MEETING THE NEW CONSUMER DEMAND FOR PEACE OF MIND AND ENHANCED DISINFECTION STANDARDS

A few years ago, the idea of a global pandemic was the basis of a new Hollywood blockbuster. Today, customers not only expect a high level of disinfection, but they are also prepared to pay for it. Autonomous UV-C disinfection with the UVD Robot® allows hotels, cruise ships, and businesses to offer an additional, highly profitable unique service to meet this new post pandemic consumer demand.

## FACING THE CHALLENGES OF RETURNING TO POST PANDEMIC 'BUSINESS AS USUAL'

If there is one thing we have learned from dealing with the SARS-CoV-2 (Covid19) pandemic then it is that infection prevention has become everyone's business. Gone are the days when dealing with the implications of infectious diseases, were reserved exclusively for healthcare professionals. In the post pandemic era, employers and businesses alike have been made directly responsible for providing a safe virus free environment for their staff and customers.

As the world comes to terms with the devastating humanitarian impact of the virus, global business continues to suffer from the aftereffects of the extended global economic shutdown. And it gets worse, businesses are now expected to implement enhanced, hospital grade disinfection procedures which can often become a financial and labour intensive burden, *but luckily, not always...*

...Introducing the hospital grade disinfection solution to keep your staff and customers safe from the invisible microorganism threat - costing as little as €2 per room\*.

### THE UVD ROBOT®:

- A fully autonomous system delivering fast, chemical free, hospital grade disinfection for offices, hotels, airports, cruise ships, shopping malls and private homes etc. without human interaction
- Easily integrated into the cleaning routine - no previous infection control know how required
- Highly effective against all bacteria and viruses especially SARS-CoV-2
- A PR & Marketing asset to win employee and consumer confidence

\* Price per room based on 30 disinfections per day, for example 30 hotels rooms or 30 cabins on a cruise ship

## WHY ARE UVD ROBOTS MORE EFFECTIVE AGAINST SARS-COV-2?

The germicidal characteristics of UV-C light at close range are well known. However, the laws of physics governing distance to surface and shadow, present a challenge to the feasibility of using UV-C light as a disinfectant in larger areas. These include offices, hotels, restaurants, schools, factories and airports. The agility and autonomy of the UVD Robot® overcome these challenges, and the UVD Robot is the only fast and efficient solution to large area disinfection.



As the robot drives by it delivers approximately **70mJ/cm<sup>2</sup> of UV-C**



3 x the dose required to reduce SARS-CoV-2 by **99.9999%**



In June 2020, the company supplying the UV-C lamps mounted on the UVD robot commissioned clinical trials to test the efficacy of their lamps against SARS-CoV-2.

The test was carried out at The National Emerging Infectious Diseases Laboratories (NEIDL) at Boston University in the US with the university concluding that a dose of **22mJ / cm<sup>2</sup>** would reduce the virus by **99.9999%**.



Disinfects a standard 25m<sup>2</sup> office in under **8 mins**

### KEY BENEFITS:

- Autonomous mobile solution
- Fast and efficient disinfection process
- Standard process without manual labour
- Easy to install and use