

UVD ROBOTS

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

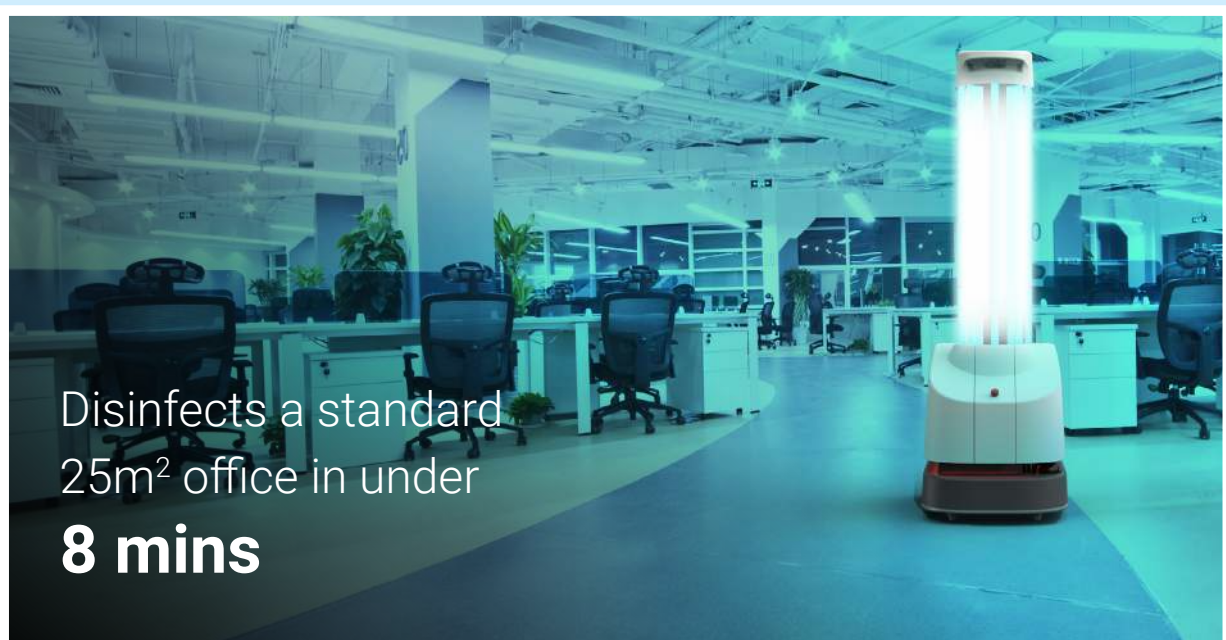
FACING THE CHALLENGES

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*.



Disinfects a standard
25m² office in under
8 mins

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.

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/cm² 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 / cm²** would reduce the virus by **99.9999%**.

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

KEY BENEFITS

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



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 m²)
- **BATTERY CHARGING TIME**.....5 hours
- **DISINFECTION COVERAGE**..... 360 degrees
- **DISINFECTION TIME**.....8 min - Hotel room, office, cabin (25 m²)
30 min - Conference room, warehouse (500 m²)
- **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”



MARIN REPUSTIC
DIRECTOR ASSISTANT FOR QUALITY OF HEALTHCARE
GENERAL HOSPITAL, CROATIA

“We reduced the time we spent disinfecting by 1.5 hours, freeing up our staff to focus on more important tasks while also enabling us to have a higher turn-over in surgeries”



UVD Robots® ApS
Svendborgvej 226
5260 Odense S
Denmark

info@uvd-robots.com
www.uvd-robots.com

@UVDRobots

Represented by:
Commonwealth X-Ray, Inc.
cxr@cxrinc.net
www.commonwealthxray.net
859-885-4864



IERA AWARD.

Innovation and Entrepreneurship in Robotics and Automation

The UVD Robot® 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:

