

# UV-C Sterilisation Robot



## Specification Overview

2021

Introducing the UVTech-Hygienics state of the art UV-C Robot. Fully certified to kill 99.9% of bacteria and viruses. Can sterilise a 500m<sup>2</sup> area in just 10 minutes. Bespokely programmable from Desktop or Mobile.

## Overview:

Designed for use in Schools, Hospitals, Hotels, Airports, Train Stations, Shopping centres, Offices, Supermarkets - the Robotic UV Steriliser is powered by 480W bulbs that kill 99.9% of bacteria across the air and surfaces and can sterilise an area of 500 meters squared in just 10 minutes. With a 3 hour charging time, the robotic device will travel around a pre-programmed area ensuring 360 degree sterilisation. Built with electrical and mechanical anti-collision features, the robotic device can be controlled via computer backstage software and by mobile application. With visual navigation, the device will also return back to its charging station once its cycle is complete, helping to ensure the highest-grade sterilisation, across industrial sized areas.

## Technical Specification:

Power: 480W

Charging Voltage: AC110/220V

Battery: Lithium iron phosphate Battery

Full charging time: 3 hours

Use after full charging: 90 minutes

UV Wavelength: 253.7nm

Disinfection speed: 30-50m<sup>2</sup>/min

Lifespan: 10,000 Hours

Weight: 60kg

Dimensions: 60.6cm x 53.6cm x 119.2cm

Built-in wireless router



### Control System:

- Save multiple maps and multiple sets of running routes
- Set to detect low battery and return back to charging point
- Adjustable moving speed (0.04-1m/s)
- 360 degree Lidar Navigation
- 25m detection distance with 0.5s response time
- Desktop and Mobile backstage, with Mobile acting as remote control if preferred
- Emergency braking and stop switch

### Fitting and Maintenance:

- We can supply and set up the Robot
- Our engineers will be trained on maintenance and operation
- Provided for free under the 1 year warranty

### Delivery:

Allow delivery up to 28 days

### Safety Warning Signs:

As the Robot is designed for out-of-hours sterilisation, safety warning signs will be provided as part of the installation