

# UV-C Robot For Disinfection

To Enable Safer and healthier work life

**WORKPLACE  
OFFICES**



**HOSPITALS  
CLINICS**



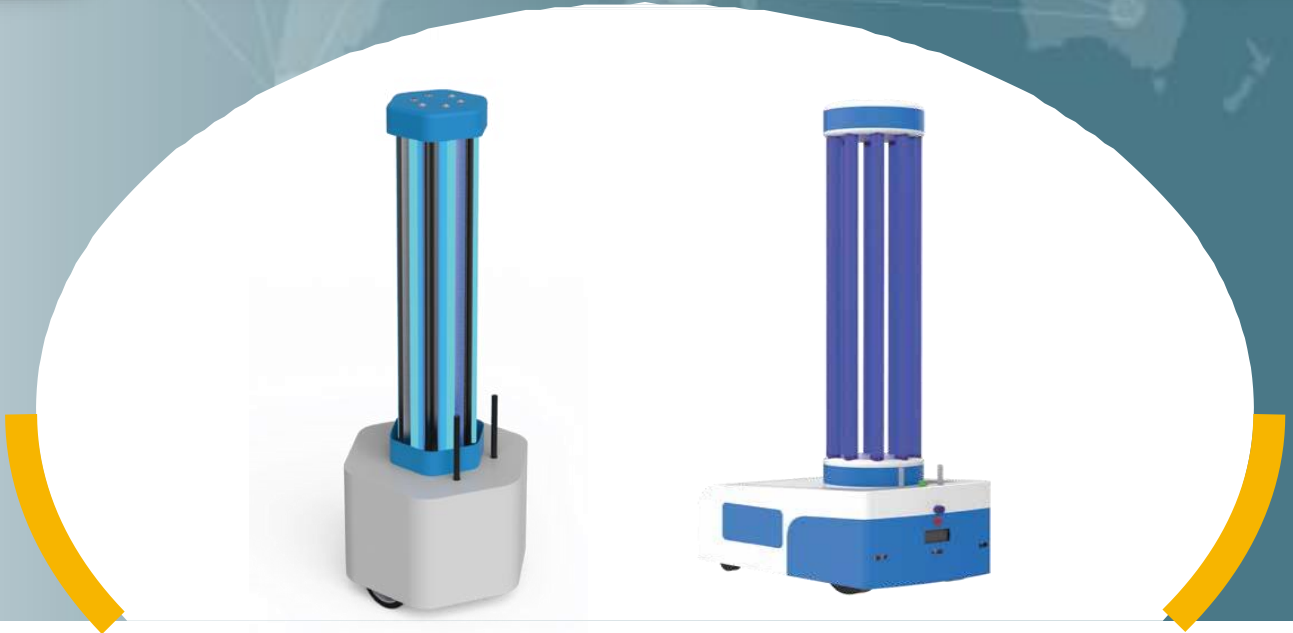
**INDUSTRIAL  
FACTORIES**



**BUILDING  
SCHOOLS**



**PUBLIC PREMISES  
TRAVEL STATIONS**



**Sterilization**

**Disinfection**

**Chemical-free**

## UV-C Robot for Disinfection

Remotely operated Wireless robot fitted with UV-C.  
Interactive Touch Screen & Joystick based operator controller  
Disinfects larger work areas



360 degree  
Safety Sensors  
with multilayer  
safety



Approved by  
government  
authored  
micro-biology  
lab



Remotely  
operated robot



Disinfection  
speed: 5-10  
cm/sec.



360 degree  
UV-C  
illumination



No chemical or  
harmful gas

# Specifications of UVC Robots

	Description	UVC: Ultra-Blaster	UV-C: Super-Blaster
Feature	Shatter Proof, Weather proof, High Output Quartz UV-C 254 nm Lamps with 7,000 hrs life		
UV-C 254 nm Lamp	Wattage / Lamp	96 Watts	75 Watts
	Number of Lamps	8	6
Total Wattage	UV-C Wattage / system	768 Watts	450 Watts
	Dimensions	85 cm × 50 cm × 180 cm	45 cm × 45 cm × 120 cm
	Weight	85 kg.	25 kg.
	Speed	5 cm/s	5 cm/s
	Power Source	Rechargeable Li-ion Battery - 24VDC× 60Ah	230VAC, 50Hz, Plug-in power
	Battery Charging	On board (AC mains- Plug In) Charging	
	Battery Endurance	2 hrs. from charge to charge over regular operation	Not Applicable
Controls	Navigation	Front & rear Camera	Not Applicable
	Controls	Onboard microcontroller	Onboard microcontroller
	Wireless Communication	On-Board Wi-Fi System	On-Board Wi-Fi System
Disinfection	Exposure Time for Log 0 (90%) disinfection: 22.6 mJ/cm <sup>2</sup> (for 150 sqL area)	90-100 seconds	170-180 seconds
	Exposure Time for Log1(99%) disinfection: 45.2 mJ/cm <sup>2</sup> (for 150 sqL area)	190-200 seconds	350-360 seconds
	User Operation	Dedicated User Console with interactive Windows/ Android Application	Interactive Windows/ Android Application on User's Mobile Phone
	Robot Operation Safety	A Remote operating range of up to 20 meters B 360-degree motion sensors for human/pet safety C Audio & Visual Safety Alarm D 2 Level Authorization & Security to operate machine and UV lamp	A Remote operating range of up to 20 meters B 360-degree motion sensors for human/pet safety C Audio & Visual Safety Alarm D 2 Level Authorization & Security to operate machine and UV lamp
SAFETY FEATURE	UVC Power On/OFF	Remote power ON/OFF switching capability	Remote power ON/OFF switching capability
	1- Obstacle sensor :	Ultrasonic Sensors ( 3 at Front and 3 at Back) Up to 400mm range	Not available
	2- Speed Control	Software controlled acceleration, deceleration, depending on speed.	Software controlled acceleration, deceleration, depending on speed.
Drive - Type	Drive type	Twin wheel Drive	Twin wheel Drive
	Steering	Differential Skid	Differential Skid



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