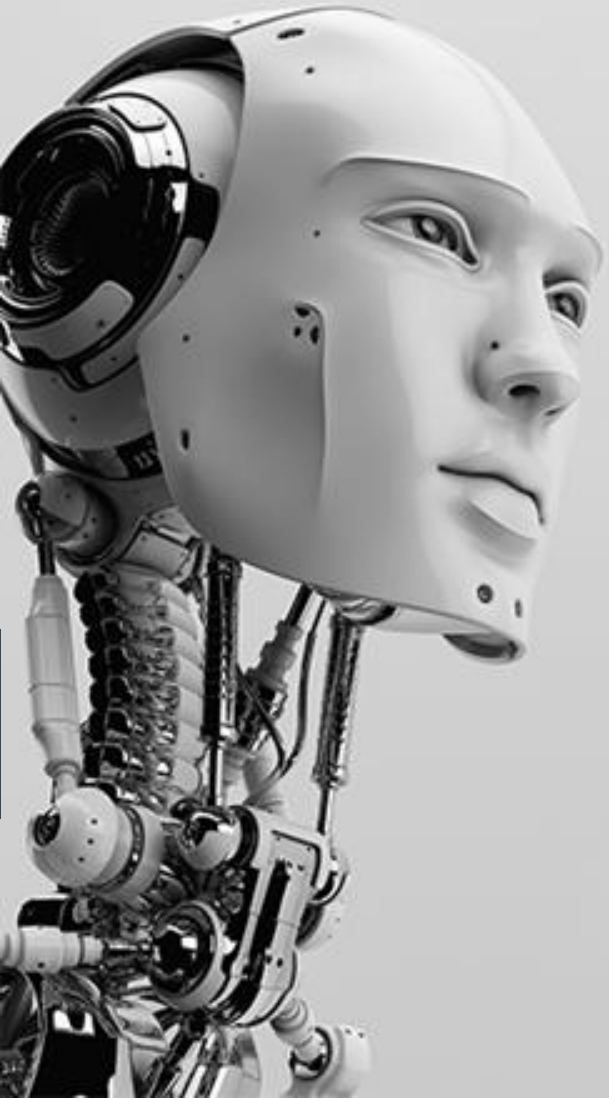
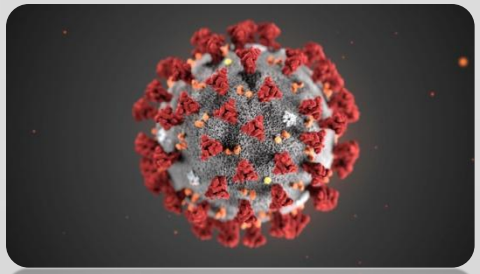
VACKER UVC ROBOTS

UVC OZONE DISINFECTANT ROBOT WITH SPRINKLER



High Efficient Sterilization

Short wave UVC ultraviolet lamp + Ozone
+ Hydrogen Peroxide Disinfectant atomizer
Three in one disinfection leaves no hidden corner for growth of pathogens
UVC act as a catalyst for decomposition rate of Hydrogen Peroxide and makes it more efficient



Security and Environmental Protection

Safer disinfection process
No adhesion, small particles, no residue

Autonomous Navigation

Map based navigation to target segment, intelligent obstacle avoidance, Remote Control for Turning ON/OFF of disinfection tasks in each area , Automatic charging

Remote Control

Real-time Control of disinfection process, such as UVC Lamp , Ozone generation and Hydrogen peroxide

UVC OZONE DISINFECTANT ROBOT WITH SPRINKLER

01 Higher UVC disinfection with Powerful Lamp with 117 uw/cm2 Intensity

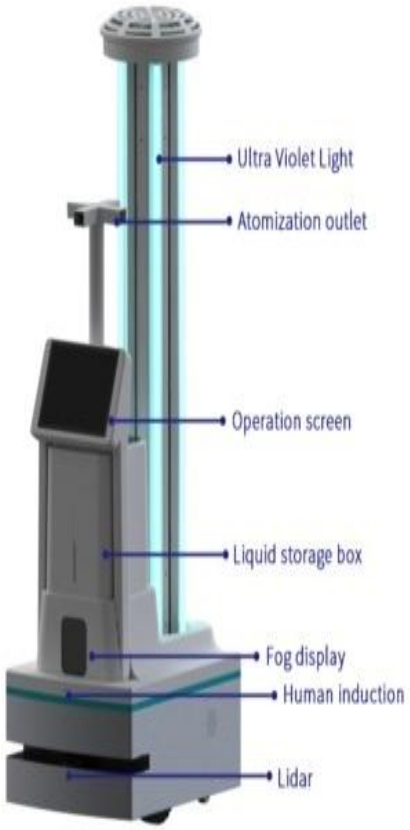
02 Strong Ozone Generation for Blind Spot Area Disinfection

03 Sprinkler with Multiple Nozzles for 360 Degree Coverage .

04 Higher Rate of Hydrogen Peroxide Mist Generation with 1500 ml/Hr.

UVC OZONE DISINFECTANT ROBOT WITH SPRINKLER

- Easy Operation
- Large Capacity
- Crash Sensor
- Autonomous Navigation
- Intelligent Obstacle Avoidance
- Touch the Edge Safety
- Multiple Disinfection Points
- Data Analysis
- Multiple Preset Modules



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UVC OZONE DISINFECTANT ROBOT WITH SPRINKLER

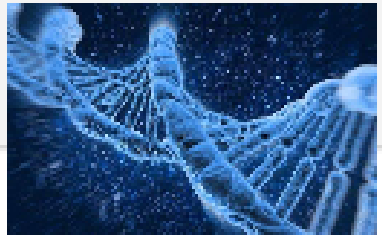
security effectively

01

Short wave UVC ultraviolet sterilization lamp

Direct destruction of DNA, RNA, proteins and so on in bacterial virus cells, resulting in the direct death of the fine cells and unable to reproduce, there is no drug resistance. It has broad spectrum efficiency

Rapid and thorough, no need to add chemical agents, no drug resistance, no secondary pollution, etc



02

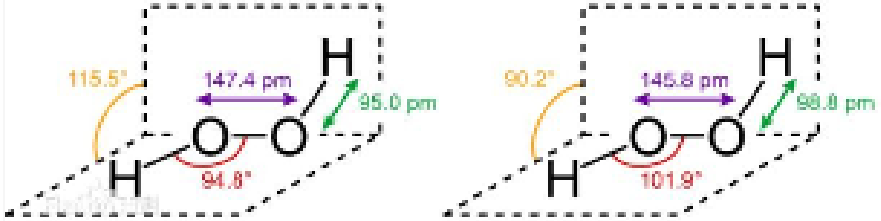
Sum super dry fog particles

When the average diameter of droplets is less than 10um, the spray fog can be called "dry". The "dry fog" of hydrogen peroxide disinfectant has no aggregation and can be dispersed in the space where sterilization is needed, so as to achieve better sterilization effect

03

Double sterilization, better effect

Through complex chemical reactions, hydrogen peroxide dissociates the highly active hydroxyl group and ACTS on the c ell membrane, and its strong oxidation destroys the proteins that make up the bacteria and causes them todie. However, short-wave ultraviolet light can accelerate the decomposition rate of hydrogen peroxide and make it more efficient



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UVC OZONE DISINFECTANT ROBOT WITH SPRINKLER

PRODUCT SPECIFICATIONS

Product Name	Dimensions	L635*W486*H1530mm
Weight	Include battery	50KG
Power Supply	Battery	Lithium battery
	Battery capacity	24V/40Ah
	Charging time	≤2H
	Service life	Keep 80% capacity after 300 times of cyclic charging
	Maximum charging voltage	29.4V
	Endurance (no load)	6H
Performance	Maximum load	50KG
	Maximum speed	0.7m/s
	Navigation accuracy	±50mm
	Direction	360°rotation
Safety protection	Emergency stop button	Emergency stop
	Human induction	Thermal infrared body sensor
	Remote control function	Configure remote control module remote control
Environmental Science	Environment temperature	0°C~45°C
	Environment humidity	Relative humidity 5-95% (house frosting)
	Operating environment	Indoor (no dust and corrosive gas)
	Degree of protection	IP20
	Antiskid coefficient of ground	≥0.5
	Ground requirements	Concrete level ground (without water, oil or dust)
Disinfectant spray part	Capacity	15L
	Mist density	1500ml/h
	Applicable area	60-120 m^2
Ultraviolet part	UV intensity	117UW/CM^2 (each)
	Ultraviolet disinfection	UV + ozone release

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