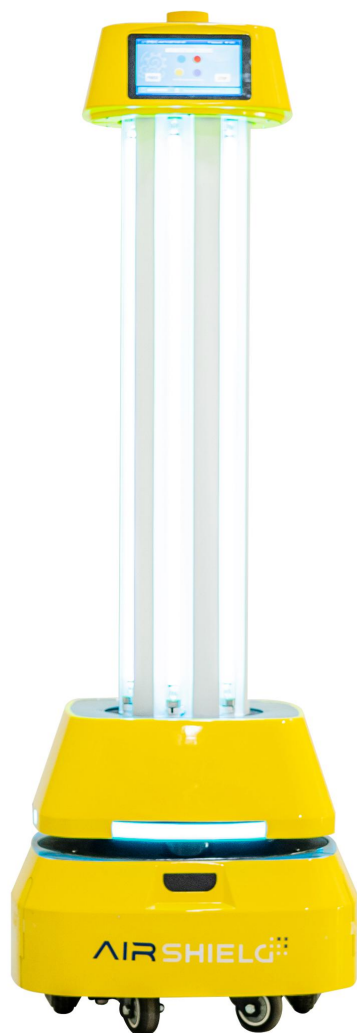


UV GUARDIAN





THE **UV GUARDIAN** IS THE ULTIMATE SOLUTION FOR **SURFACE DISINFECTING**.

With a **completely automated** process, the UV Guardian roams your designated space, utilizing its high-powered UV Lamps to destroy harmful bacteria and viruses.

The **smart-sensing technology** allows the robot to navigate with centimeter-level precision around obstacles, and adjusts for new routes accordingly.

UV GUARDIAN

FEATURES

Effective UV-C Lamps

- Disinfects areas in as little as 30 seconds
- Effective range of 19.7 Feet

Built-In Touch Screen Controls

- 7-inch IPS touch screen
- Custom user interface





UV GUARDIAN

FEATURES

Manual and Automatic Control

- Control remotely or assign automatic routes
- Map out multiple destinations for cleaning tasks

Fully Automated

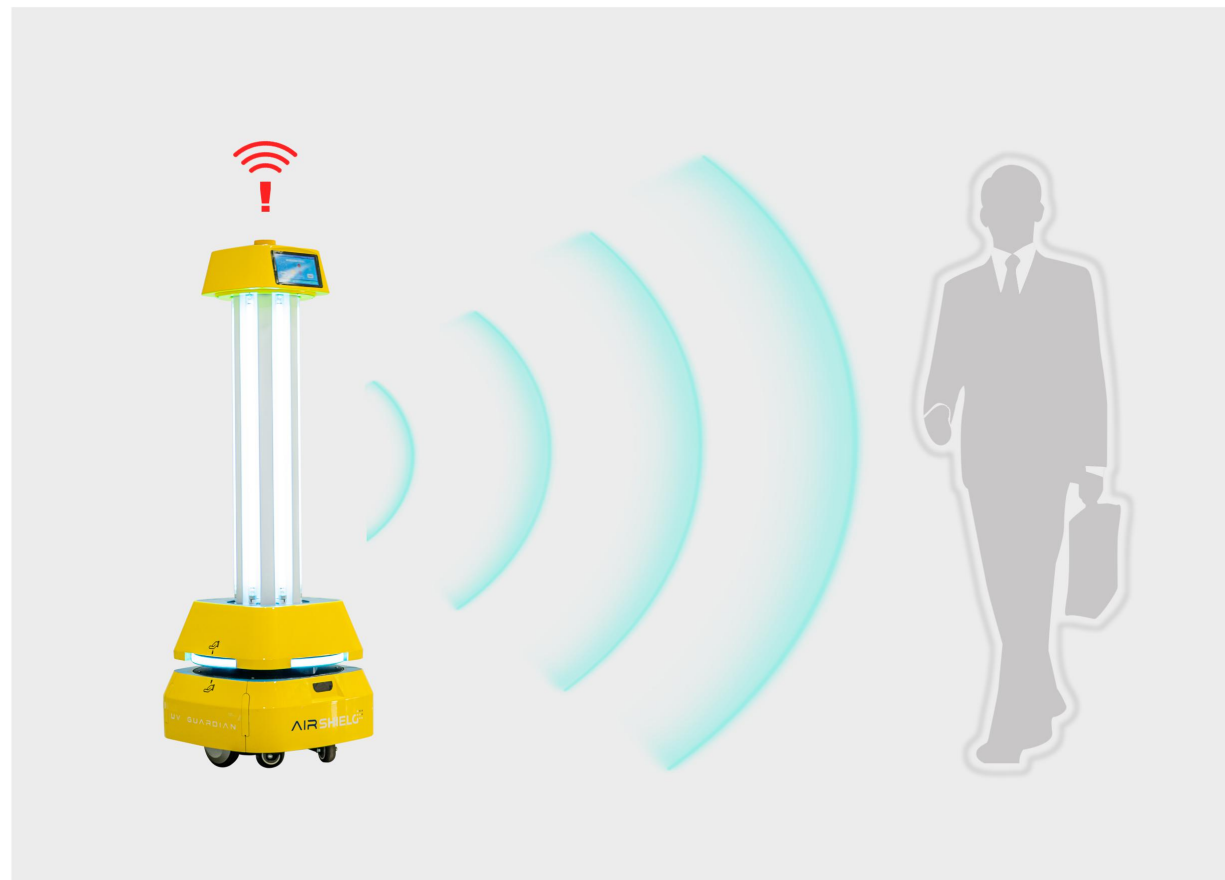
- Equipped with rechargeable batteries
- Automatically returns to charging station
- Programmable maps and cleaning schedule

UV GUARDIAN

FEATURES

Safety Protocols

- Automatic obstacle avoidance
(UV Light remains on when avoiding collisions)
- Emergency stop switch



USE AND APPLICATION PAGE:

Health and Medical

- Hospitals
- Health Clinics
- Dental Clinics

Private Businesses

- Hotels
- Offices
- Gyms
- Restaurants
- Bars & Clubs
- Stadiums

Enterprise

- Warehouse
- Laboratories
- Factories

Public Areas

- Airports
- Train Stations

Public Institutions

- Schools & Colleges
- Libraries
- Community Centers



UV GUARDIAN ADVANTAGES

UV Guardian is equipped with everything needed for surface disinfection. Reduce the need for chemical sprays, solutions, or wipes for the disinfection process of your business.

Lower human exposure to potentially harmful pathogens with UV Guardian's method of disinfection.

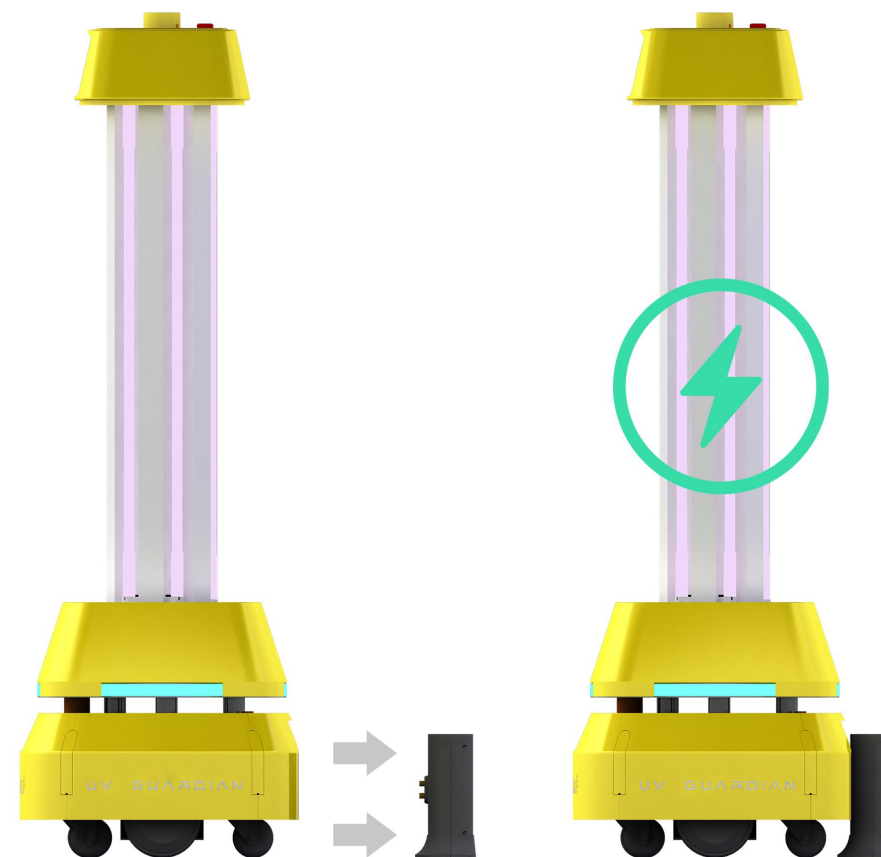
UV Guardian is **fully autonomous** and requires no manning or handling for disinfection tasks.



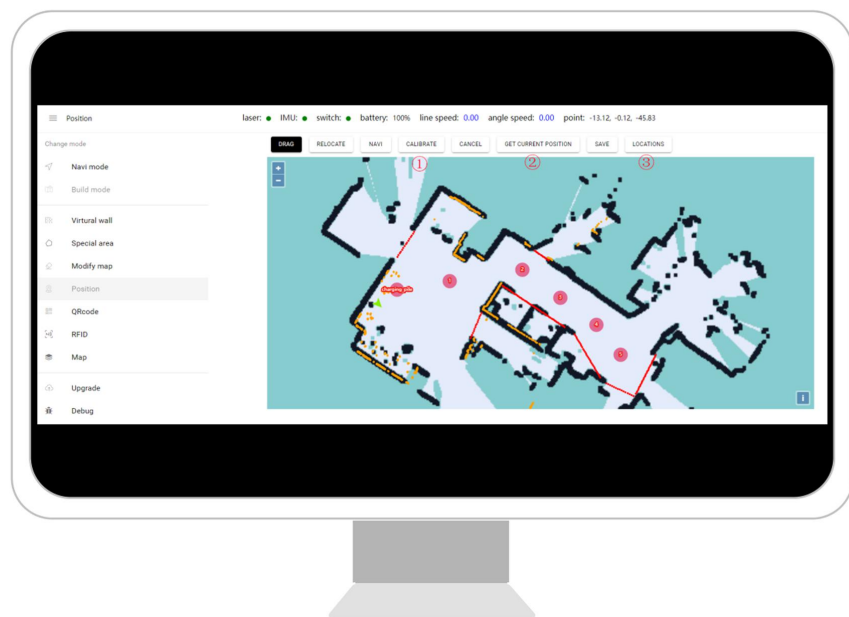
UV Guardian knows your space with programmable mapping for autonomous runs.

No need to remember to charge the UV Guardian as it will **automatically return** to its charging station after completing disinfection tasks.

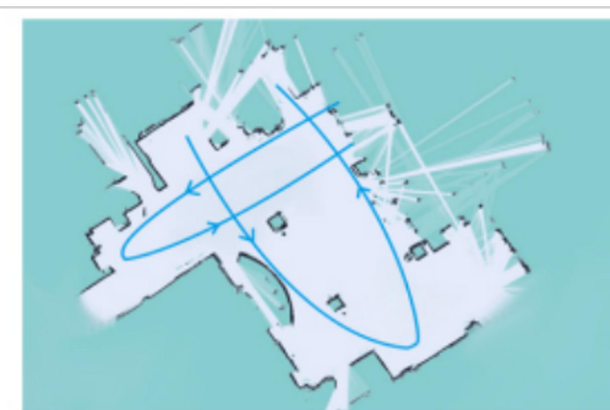
Maintenance and care for the UV Guardian is covered by our service.



MAPPING



Straight line



U-shaped route

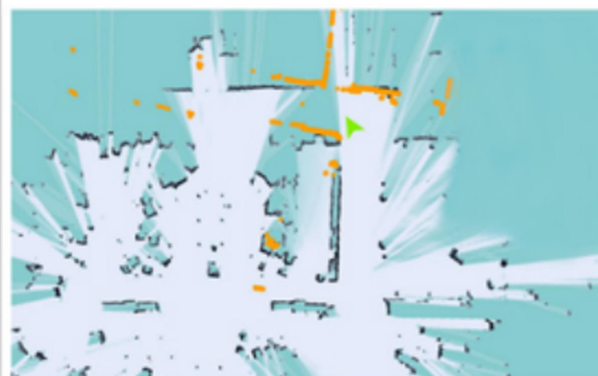


FIG. 1

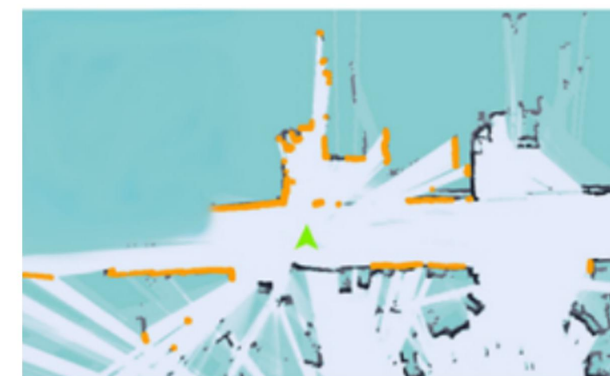


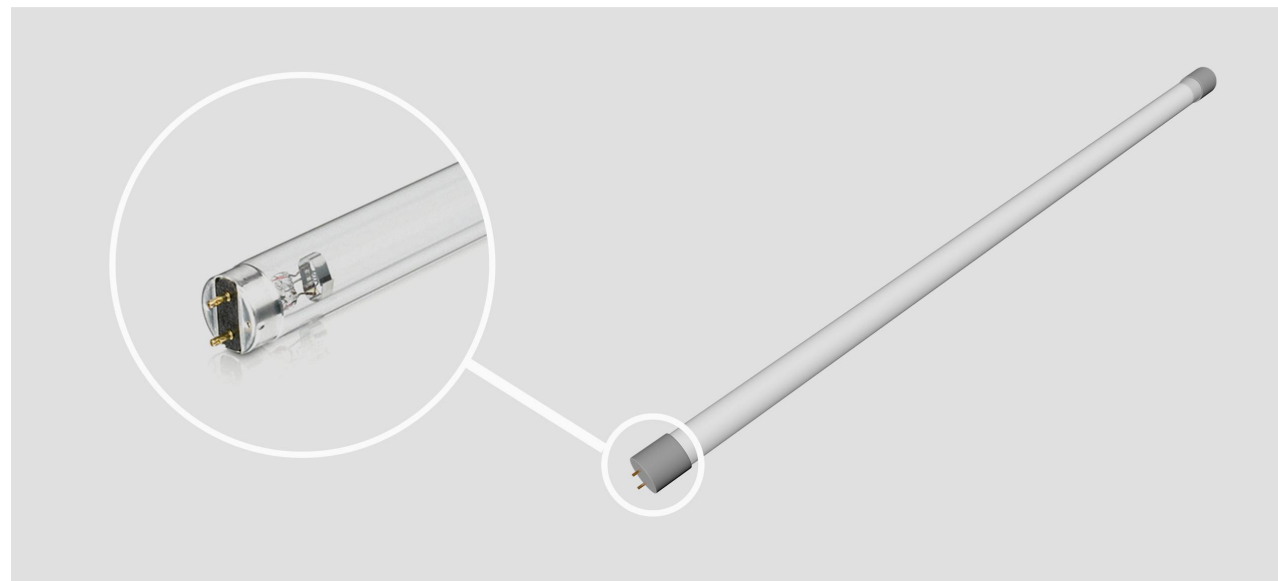
FIG. 2

QUIPPED WITH PHILIPS UV 30W UV-C BULB

Short-wave UV radiation with a peak UV-C wavelength at 253.7 nm for **effective disinfection**

Protective inside coating ensures constant UV output over the complete lifetime of the lamp

Special lamp glass filters out any 185 nm ozone-forming radiation



One TUV 30W UVC bulb can achieve a log 4 reduction in viruses and bacteria in just 4 minutes within a 3.28 ft radius. Our UV Guardian Robot is equipped with 6 bulbs, which reduces the disinfection time to **30 seconds**.

UV GUARDIAN FAQs:

Q: Will an encounter with a person or pet disrupt the UV Guardian?

A: Not at all! The UV Guardian's guiding sensor will create a new route.

Q: What is the lifespan of the UV Lamp?

A: The UV Lamp has a lifespan of up to 8000 hours.

Q: What is the max range of a tasked area?

A: The UV Guardian can handle tasked areas up to 10,700 sq. ft.

Q: How close to an object does it have to get in order to disinfect the object?

A: The UV Guardian has a range of 19.7 Feet

Q: How much room does the UV Guardian need?

A: UV Guardian only needs 19.6 inches between itself and obstacles such as a wall while calibrating.

Q: How long is the Guardian lifespan?

A: UV Guardian can run for up to 3 hours off a single charge.



TESTING AND CERTIFICATION:





OUR COMPANY

AirShield is a Richtech-owned brand that specializes in clean UVC LED sanitization technology. Our technology produces no secondary pollution or side effects, keeping your home or office free of viruses, bacteria, mold, and other harmful microorganisms. We are continuously developing new UV-C technologies to make the best solutions to keep American businesses and families safe and healthy.

OUR MISSION

To ensure peace of mind and safety in everyday life through innovation and patented technologies.

OUR MISSION

Founded in 2004, Richtech Systems has over 16 years of experience as a global leader in healthcare technology, providing solutions to hospitals, governments, and schools throughout the US and abroad. As an FDA registered Class II medical device manufacturer, Richtech Systems has worked tirelessly during this pandemic to provide effective enterprise solutions for companies to keep employees safe as businesses reopen.

