



Solutions for a Cleaner Environment

Helping to Keep Our Community Healthy

New & Available to You:

RoverUV

Mobile Disinfection Robot

UV-C Technology + Robotics = Powerful Results

Why UV-C Light is Being Used For Disinfection

Ultraviolet-C is one of three bandwidths of UV light given off by the sun: UV-A, UV-B, and UV-C. UV-C is different from the others in that it is blocked by the Earth's ozone layer and therefore microorganisms haven't adapted to exposure, making UV-C a particularly effective disinfectant.

How Does UV-C Disinfect?

Though UV-C light never passes through our ozone layer, Safe Space Technology has harnessed its power synthetically through ultraviolet germicidal irradiation.

Essentially, UV-C wavelengths between 200 and 300 nanometers are used to destroy nucleic acid and disrupt the DNA of microorganisms, rendering them incapable of reproducing. As a result, UV-C disinfects anything it comes in contact with, whether in the air or on surfaces.

The Safety & Efficacy of UV-C

Because UV-C can disinfect the air, it's particularly useful for killing airborne pathogens that cause illness or aggravate conditions such as asthma or other respiratory issues. However, direct exposure to UV-C light can be harmful to humans and animals, causing skin and eye damage. So it's important to make sure a room or space is vacant when UV-C technology is in use.

For this reason, all Safe Space Technologies products are equipped with built-in motion and camera registration for safety shut-off. In addition, the effectiveness of UV-C disinfection is dependent upon certain variables, like how much organic matter is on surfaces, as well as how close the UV-C light is to its target. With this in mind, Safe Space Technologies has optimized its products through automation and modular designs to increase disinfection efficiency and effectiveness.

The power of ultraviolet light has been used for decades in hospitals as a trusted disinfection tool. Now, with the world facing a global pandemic, UV-C is getting renewed attention. Its use case is essentially limitless: any space, home, or business can benefit from the disinfection power of UV-C.

UV-C Exposure Kills:

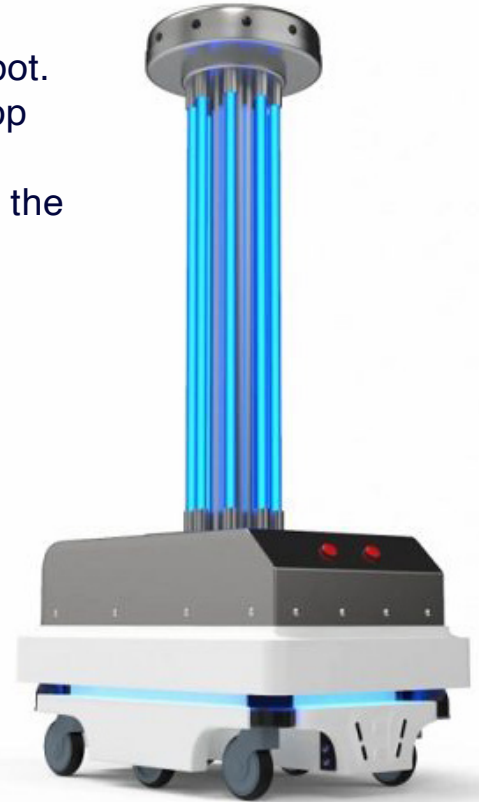
- ✓ BACTERIA
- ✓ VIRUSES
- ✓ FUNGUS
- ✓ MOLD
- ✓ PROTOZOA
- ✓ ALGAE

RoverUV Mobile Disinfection Robot

Disinfect Your Space Efficiently & Intelligently

Introducing Safe Space Technologies most efficient disinfection method: the RoverUV Mobile Disinfection Robot. Unlike manual approaches to disinfection, the UV light atop an autonomous mobile robot provides rapid, hands-free, effective inactivation of harmful microorganisms found in the air and on surfaces.

This device is able to disinfect large spaces - lobbies, hallways, or cafeterias - effectively, without any human interaction. Intelligent sensors enable the robot to avoid obstacles yet perform disinfection safely. And data is made available to track the robot's runtime, location, and disinfection history.



SPECIFICATIONS

Height: 78"
Width: 24"
Depth: 36"

Weight: 350 lbs
Duty: 4 hours per charge
Power: 110 / 220V, 60hz, 13 Amps

BEST USE CASE

- Hallways/Lockers
- Cafeteria
- Athletic Facilities
- Grocery Stores
- Large Commercial Offices
- Church Buildings
- Event Centers
- Airports

DISINFECTION TIME

- 1 Robot Disinfects 4,174 square feet per hour
- 1 Fully Charged Robot can Disinfect 16,696 square feet in 4 hours

FEATURES

- Completely autonomous
- Integrated safety features
- Automatic charging
- Adaptable to changing room configurations
- Fast, Efficient and eliminates human error
- Minimum 4 hour disinfection runtime
- 100+ amp-hour battery for lights and controls
- Dual charging station
- 6 powerful 190 watt UV-C Germicidal bulbs (1140 W)
- Simple user interface for mission execution with full access to MiR software with credentials
- Integrated sensors for terminating UV-C lights if a person is detected nearby
- Connect to external WiFi for web-based reporting
- Robot operates without external WiFi or tablet connectivity



www.alco-chem.com

North: 45 N. Summit St. | Akron, OH 44308 | P: 330.253.3535 | 1.800.589.ALCO | F: 330.253.9219
South: 1303 Park Ave. SW | Canton, OH 44706 | P: 330.833.8551 | 1.800.437.5248 | F: 330.833.0011