

# stererobot

Sterilization | Disinfection | Chemical Free

- *Remote controlled*
- *Sanitize about 7500 sq feet in an hour*
- *Continuous operation capability*

# steraBOT

SANITIZER ROBOT

LARGE AREA COVERAGE

99% MICROBE REDUCTION

*The SteraBOT is a joint development between two specialist companies. Janyutech a specialist robotics company and Aeropure a UV systems specialist with over 8 year experience.*

*Completely MADE IN INDIA, the product comes with performance assured on both the mechanical and UV sanitation. The SteraBOT has undergone over 100 tests for UV intensity and microbiological effectiveness.*



## Sanitizer ROBOT

- SteraBOT can be used to reduce up to 99% of microbes including SARS Covid viruses and TB bacteria.
- UV-C light of 254nm wavelength is used giving fast treatment of large areas and office spaces.
- The SteraBOT can cover 100 Sq. feet in 1 min, covering 10,000 Sq. feet in under 2 Hours.

## Key Features

- Powerful 800W UV System.
- Remote operated by handheld remote.
- Battery life of up to 2 Hrs.
- Hot Swappable battery for continuous operations.
- Front and Back Camera for live visual guidance plus obstacle detection.
- Requires no maintenance except for periodic replacement of the UV lamp.

## Dimensions

- 850 mm (L) x 500 mm (W) x 1500mm (H)
- Weight 75 Kg.

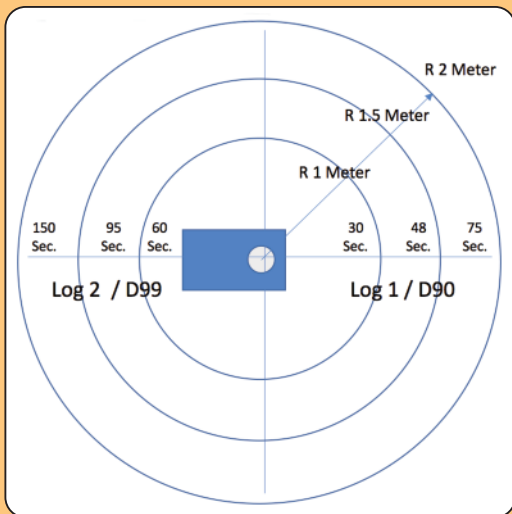
## Safety Precautions

- Must be used by trained operator
- The operator must be equipped with a face shield, cotton gloves and full sleeved shirt
- The SteraBOT must not be operated when there are other people in the room or immediate area
- Direct or reflected UV Exposure to skin and eyes must be avoided as it may cause damage.
- Operator wearing PPE must maintain at least 20 feet distance from the robot when lamps are turned on.

# Use Cases

The SteraBOT has been tested for two use cases, one where it can be manoeuvred into a space or room and kept stationary for the required time to achieve sanitation. The second use case is the SteraBOT is continuously operated across a large work hall at its design speed and sanitation is achieved during movement.

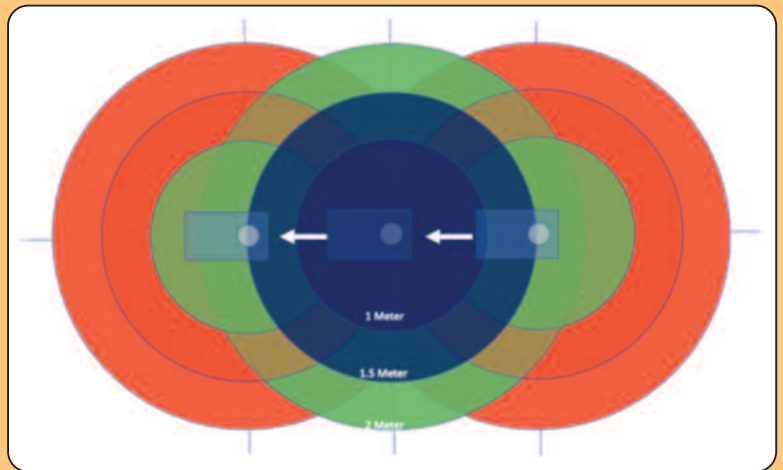
## Use Case 1: Stationary Operation



The testing shows that the SteraBOT will sanitize a room to 90% upto 2 meters away in 75 seconds and upto 99% up to 2 meters away in 150 seconds.

This mode is useful in small offices, meeting rooms, hospital rooms, OT's and ICUs.

## Use Case 2: Continuous Operation



The SteraBOT can be operated in sanitation mode at a speed of 1.5 meters per minute, in this mode the SteraBOT will sanitize an area of 100 Sq. feet in 48 seconds, or an area of 10,000 square feet it about 1 Hour and 20 minutes.

This mode is useful for large spaces, and work halls.

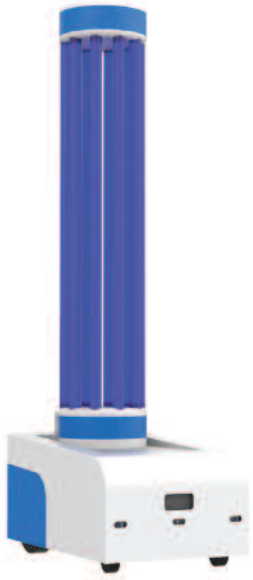
The SteraBOT is equipped with a had held remote controller, it records the run hours of the system, distance travelled during each operation and time spent in sanitation mode.



## steraBOT *Navigator*

Remotely Controlled Robot

This is a Remotely operated robot fitted with UV Disinfection system. These are operated remotely by an operator with the aid of Camera feedback. The trolley has a WiFi connected with a camera to get live Audio-Visuals of the path to the control station and interact along with the travel, announcing various messages. Obstruction sensing is provided at the front and back for effective driving. Underbody Lamps are provided for floor disinfection.



## steraBOT *Monitor*

Manual Trolley Operated Robot

This is a manually maneuvered Trolley is fitted with UV Disinfection system. Many versions of lamps are available dependent on the applications. These are pulled/pushed by an operator. Underbody Lamps are provided for floor disinfection.

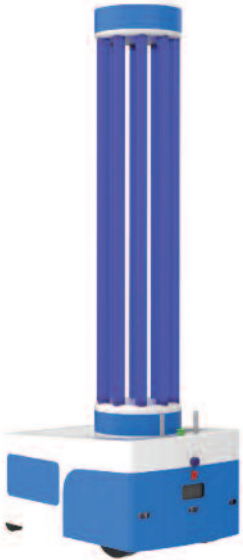


## steraBOT *Pilot*

Auto Guided Robot

This is a fully Automated Guided Robot. The robot is fitted with a UV Disinfection system. It can go around a pre-selected path. The Robot can sense the obstruction and act accordingly. These are operated automatically by a control station with the aid of Cameras and high level feedback. Obstruction sensing is provided at the front and back for effective driving.

The trolley has a WiFi connected with a camera to get live Audio-Visuals of the path to the control station and interact along with the travel, announcing various messages.



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## Kemsol Limited

PO Box No 18295, Jabel Ali,  
United Arab Emirates  
Tel. +971 4 8839800  
Fax. +971 4 8839910  
Email : [info@kemsoluae.com](mailto:info@kemsoluae.com)