

# ***HKC UVC Disinfection Machine***

**IMPROVE PUBLIC  
SAFETY**

***Epidemic  
prevention of  
Coronavirus***



# Technical Specifications

## UV-C Disinfection Machine

Max Speed: Push Manually

Plugin Power cord 220V

Weight:  $\geq 40\text{kg}$

Dimensions: W: 50 (cm) x H: 160 (cm)

Disinfection Coverage: 360 degrees

Disinfection Time: 15 / 30 / 60 mins (Preset under android app setting)

Connectivity: Wireless (Bluetooth)

UV-Wavelength: 254 nm (UV-C rays) CE Certified

No. of UVC lights: 6 (36W)

Automatic rotation of reflected protection shield

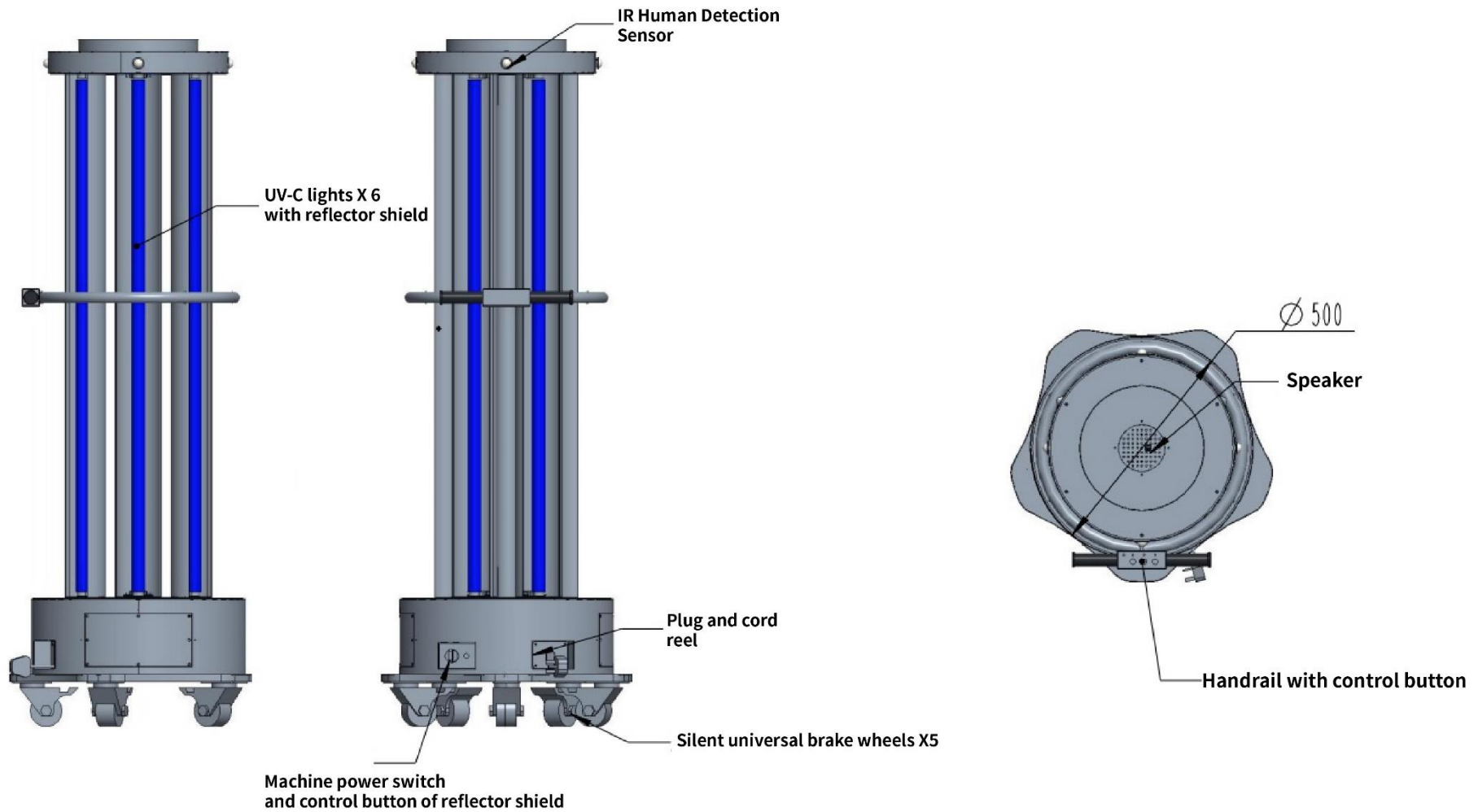
Safety: Software & Human Detection IR Sensor

\*Installed with silent universal brake wheels



***Kills 99% of all bacteria***  
***Suggested Disinfection Time:***  
***\*15 mins. for a regular 25 m<sup>2</sup> indoor room***

# Design Structure



Front / Side View

Top View



# Photos





# Close Up



Handrail with 3 Control Buttons



Human Detection IR Sensor

# ***We use Philips ultraviolet lamps***



- **Reliable UVC output over lifetime**
- **All Philips UVC low pressure mercury lamps contain a unique coating on the inner glass wall that ensures the UVC output over the useful life of the lamp never drops below 85% of its initial output**
- **Lowest mercury content for a better environment**
- **Philips has always taken the lead in reducing the amount of mercury required to operate fluorescent lamps. To dose the mercury in the lamp we use a unique mercury capsule that results in :**
- **Precise dosing of the smallest amount of mercury in a very reproducible way**
- **No mercury emission during manufacturing**
- **Optimum lamp performance with lowest possible amount of mercury in the lamps**



## ***Solution***

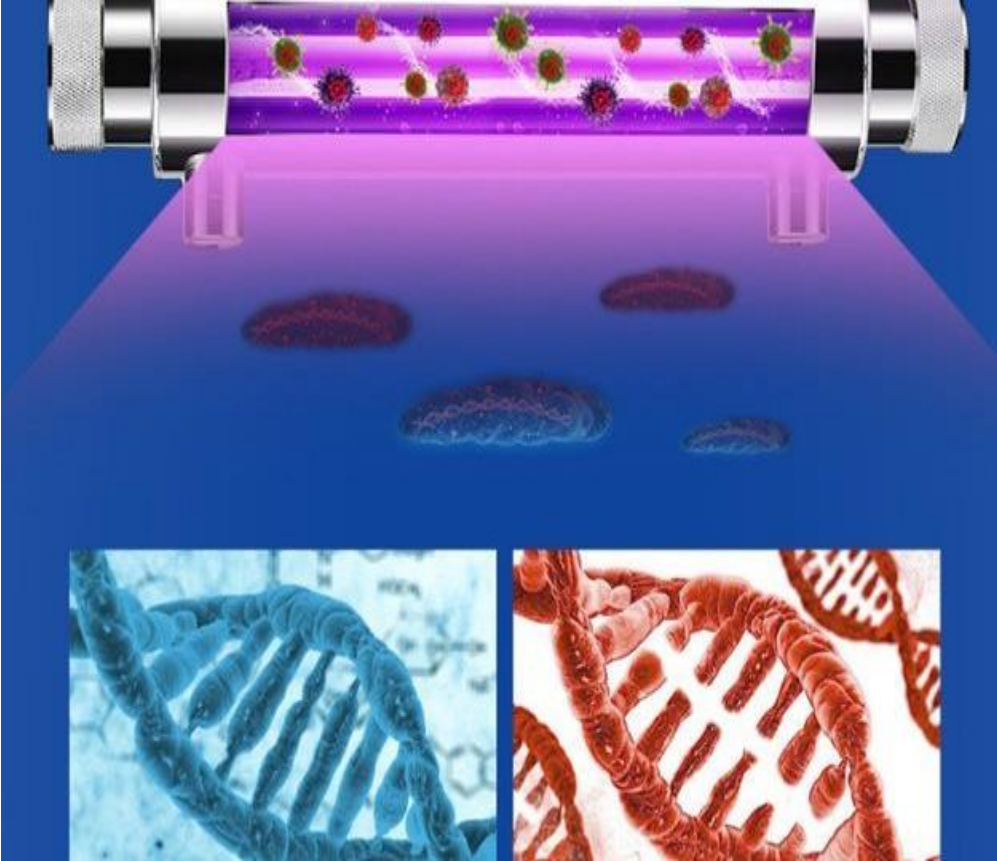
Bacteria and viruses spread easily in densely populated public areas, such as offices / shopping malls /cinemas / theatre / hospitals etc.

How can we take adequate defense measures?

### **UVC Disinfection Machine:**

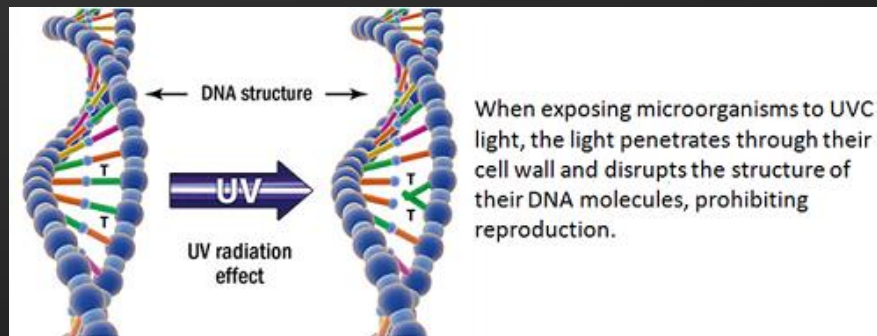
- UVC disinfection machine emits concentrated UV-C light onto infectious hotspots in rooms , supporting the normal cleaning routines.
- Prevents and reduce the spread of infectious microorganisms in the environment by breaking down their DNA structure.
- Safe, reliable and user friendly wireless operation as it can be operated easily by staff through android app.
- Installed with human detection IR sensor, UVC lights will automatically turn off if any human being detected nearby.
- Reducing public areas infection rates and operating costs.





UVC light disinfection technology eliminate any remaining pathogens after manual cleaning processes, such as:

- Clostridium difficile (C.diff)
- Staphylococcus aureus
- Methicillin-resistant Staphylococcus aureus (MRSA)
- Vancomycin-resistant Enterococcus faecalis (VRE)
- Norovirus





# Application Scenario



Business Hall / Lobby



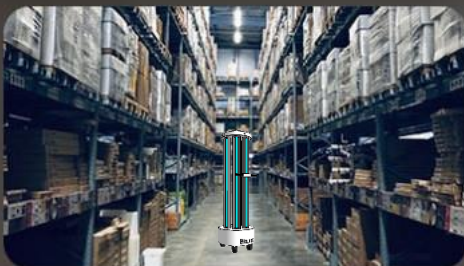
Shopping Malls



Hotel / Hospital / Office



Library



Warehouse



Public Theater

We Connect Everything



**Hong Kong  
Communications Co., Ltd.**

***Thank  
You***

Address: 14/F., Block B, Vita Tower, 29 Wong Chuk  
Hang Road, Hong Kong

Tel: +852 2527 8822 Fax: +852 2865 6016

Email: [contact\\_hkcgrouphkc.net](mailto:contact_hkcgrouphkc.net)

Website: <http://www.hkc.com.hk>