

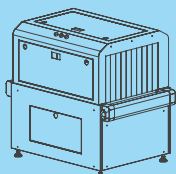
# KritiScan® UV

## UV-C light based Baggage Disinfection System



### SALIENT FEATURES

- Dry, Chemical free, Disinfection treatment
- 8 second Disinfection time
- 360 degree sanitization of all baggage's using Germicidal UV-C 254nm
- Inactivates 99.9% (Log level 3) of microbes and viruses
- Plug and Play System
- Specially designed control panel for easy operation
- Interlocks for safety
- Lamp status indicator
- Made in India
- Lamp life > 12,000 hours



### About Vehant Technologies

Incubated from IIT-Delhi in 2005, Vehant Technologies is a pioneer in Artificial Intelligence-based Physical Security, Traffic Management and COVID safety solutions. Our state of the art solutions are continuously leveraging technological innovations to solve various COVID related challenges including detection of fever, face mask detection and disinfection of baggages/objects using UV light.

All products & solutions are designed and developed in India meeting global standards, features and quality.

### About KritiScan® UV

KritiScan® UV is a UltraViolet-C (UV-C) light based Baggage/luggage Disinfection System which is entirely clean, dry and chemical-free 360° UV bath for all Baggage/luggage passing through the Baggage tunnel.

This advanced baggage disinfection system has a specially designed motorized conveyor to guide all sort of baggage into the disinfection tunnel and uses short-wave length ultra violet light to inactivate microbes & viruses on baggage/luggage surface by destroying nucleic acids sequence of the microbes, leaving them unable to perform vital cellular functions.

KritiScan UV is jointly developed by International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI), an Autonomous body under Department of Science and Technology (DST) with expertise in UV technology and Vehant Technologies with expertise in Baggage handling systems.

KritiScan UV available in two tunnel sizes ; 620 x 420 mm and 1000 x 1000 mm.

Product was also developed based on Technical Consultancy with IIT Bombay

## Technical Specifications

KritiScan UV	
Model	6242 UB
Tunnel Size	620mm (W) * 420mm (H)
Conveyor Speed	0.10 m/s
Disinfection Efficiency	Inactivate 99.9% of microbes and viruses
Area of disinfection	360°
Outer Material	Mild steel, powder coated
Disinfection Time	8 seconds
Lamp Category	Germicidal UV-C 254nm wave-length
Lamp life	> 12000 hours
Electricity Requirement	220V AC 50 Hz

\*specifications are subject to change without prior notice

## How it Works

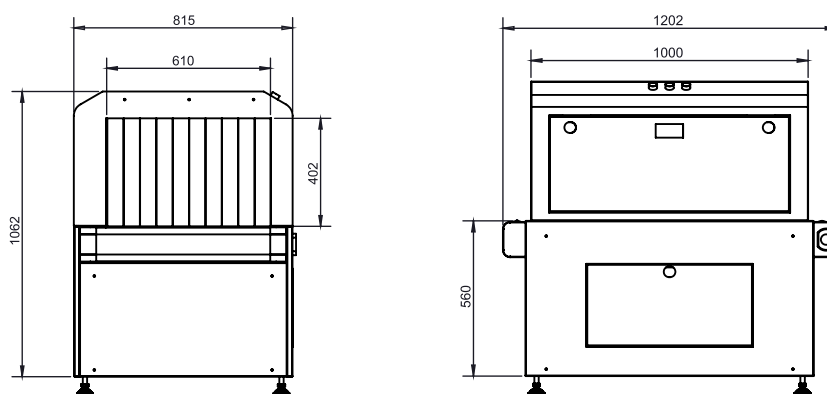
KritiScan UV - Baggage disinfection system is based on latest germicidal UV-C 254nm wave-length technology. Whenever any object enter into the tunnel the disinfection process start with the help of germicidal UV-C lights. Appropriate intensity of the UV-C lamps further helps in breaking down the bacteria and microbes at a molecular level which prevents them from spreading and significantly reduces TVC (Total Viable Counts).

It is an easy-to-operate machine and has long life, standardized and Scalable Motorized conveyors.

## Safety Precautions

As UV-C provides radiation, it is not safe to be in the open, while UV-C disinfection is taking place. It is hazardous to skin and eyes, so direct exposure to UV-C should be avoided.

KritiScan UV has Ergonomic design with safety features to prevent UVC coming out of the tunnel. UV-C provides residue free disinfection, so there is no concern over dangerous residues that need to be wiped down or neutralized after the disinfection occurs. The process is environmentally friendly, without any involvement of dangerous or toxic chemicals. The UV lamps do not require special handling or disposal either, making the system a green alternative to chemical disinfectants. It has Micro controller based logic's for safety & efficiency to detect Lamps not working.



Co-developed with:



## OUR OFFICES

### Vehant Technologies Pvt. Ltd.

B-73, Sector-57,  
Noida - 201301,  
Uttar Pradesh, India  
☎ +91-120-4610200  
✉ contact@vehant.com

### Vehant Technologies

Jl Arjuna Utara No. 35,  
Kebun Jeruk, Jakarta  
Barat - 11510, Indonesia  
☎ +62-811197681  
✉ globalsales@vehant.com

### Vehant Technologies B.V.

Automotive House, Automotive  
Campus 30, 5708 JZ Helmond,  
Netherlands  
☎ +31-492703558  
✉ globalsales@vehant.com