

ULTIMA-L

UVC LED + PLASMA SHOWER BAGGAGE DISINFECTION TUNNEL

CORONA KILLER

DUAL STAGE GERMICIDAL DISINFECTION



No more handling of hazardous chemicals is required to disinfection baggage

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ULTIMA-L is Baggage disinfection tunnel designed for sterilizing Baggage by UVC irradiation technique to kill any lingering COVID-19, and any other viruses and germs.

ULTIMA-L looks like a X-RAY machines used for Baggage checking. Before Baggage is put in the X-ray machine at the Airport and other areas, the baggage can be passed through ULTIMA-L for sterilization.

Like a X-Ray machine, ULTIMA-L also has built-in conveyor belt system for the automatic movement of the baggage through the UVC Tunnel for disinfection. The speed of the conveyor belt can be adjusted within a range.

ULTIMA-L is equipped with a control unit which also has Bluetooth wireless interface for status and Alarm monitoring. It provides the following functionality:

- Bluetooth Interface from ULTIMA-L Controller can be connected to the Operator
- Mobile Phone (Android) for Monitoring the machine parameters
- Based on the extent of LED failure, if it is within the limit, Controller will continue with the operation but indicate the failure to the operator for replacement during the next maintenance period.
- The speed of the conveyor belt can be adjusted based on the requirement

UVC LED is provided in all sides of the enclosure. UVC LEDs are provided even below the conveyor belt in between the rollers.

TECHNICAL SPECIFICATION

- Lamp Type – UVC LED
- UVC LED Driver Inbuilt
- UVC Dose :100 mJ/cm²
- Plasma Cluster Ions ~ 30,00,000 IONS/CM³
- UVC LED life 40000 hours continuous operation
- Inbuilt Heater
- Power Source 120/230 VAC, 50/60Hz
- Power ON Indicator Illuminated Switch
- Total Power Rating: 1000W/ 1500W
- Delay timer to turn unit ON 5 seconds delay
- Power Interruption Memory Device will resume operation after set point
- Operation Modes Indicated by LED
- Mode of operation: Automatic and Manual
- Operating Environment Indoor 40°F to 135°F, 0-95% RH

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HOW DOES PLASMA SHOWER WORK?

HIGHER CONCENTRATIONS OF PLASMA SHOWER IONS BOOST VIRUS INACTIVATION AND ELIMINATION, INHIBIT OF BACTERIA, VIRUS AND PATHOGEN BY 99.9% IN TEN SECONDS AT AN ION CONCENTRATION OF APPROXIMATELY 3000,000 IONS/CM³.

Step 1. Plasma shower ions are Boosted into the air which create H⁺ & O₂⁻

Step 2. H⁺ & O₂⁻ are stick to Germs, Bacteria & Virus (COVID-19) and Plasma cluster ions neutralize their charge by which destroy the protein of the Germs, Bacteria and Virus

3. Plasma shower ions Return back to air as Vapor



Germs, Bacteria & Virus

PLASMA SHOWER ION EMISSION :

ULTIMA-L disinfectant machine generates Plasma shower ions charged ions at approx. hundred millions per 8 second emission rate that are electro statically attracted to positively charged airborne particles and aerosol droplets and attaches to them in large numbers. Plasma Cluster ions are Boosted into the air which create H⁺ & O₂⁻

EFFECT ON GERMS, BACTERIA & VIRUS:

Plasma shower ions generated by the ULTIMA-L form clusters around micro particles such as airborne mold, COVID-19 or influenza viruses, mite allergens, bacteria, pollens, dust etc. and render them inactive through a chemical reaction by creating highly reactive OH groups called hydroxyl-radicals and H₂O₂ which are highly reactive and known as atmospheric detergents.

IONS TURN INTO WATER AND RETURN TO THE AIR AS VAPOR:

The Plasma shower ions surround the hemagglutinin (surface proteins that form on organisms and trigger infections) and change into highly reactive OH groups which takes a hydrogen molecule from the hemagglutinin and change into water (H₂O). The hemagglutinin molecules are destroyed so the virus become deactivated.

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BENEFITS

- Eco-friendly
- Designed for safety and ease of operation
- Pass-through chamber deactivates the DNA
- Easy-to-use, one button operation
- 2nd stage specialization available

Model	ULTIMA-LS1000	ULTIMA-LL1500
UVC LED Power Rating	250W	500W
Total Power Rating	1000W	1500W
The Length of the Tunnel	1500mm	2000mm
Entrance height	1000mm	1500mm
Conveyor belt width	500mm	1000mm
Conveyor belt from the ground	300±20mm	300±20mm
Conveyor belt Direction	Bidirectional	Bidirectional



UV RADIATION IS HAZARD

Use only with shielding in place, protect eyes and skin from exposure to UV light

www.dhonaadhi.in / info@dhonaadhi.in



Dhonaadhi
Hitec Innovations
AN ISO 9001-2008 CERTIFIED COMPANY
New No. 17/1, Ground Floor,
Muthukrishnan Street,
Bhuvaneshwari Nagar, 1st Main
Road, Behind Chennai Silks,
Velachery, Chennai - 600 042
98841 66566
info@dhonaadhi.in Web : www.dhonaadhi.in