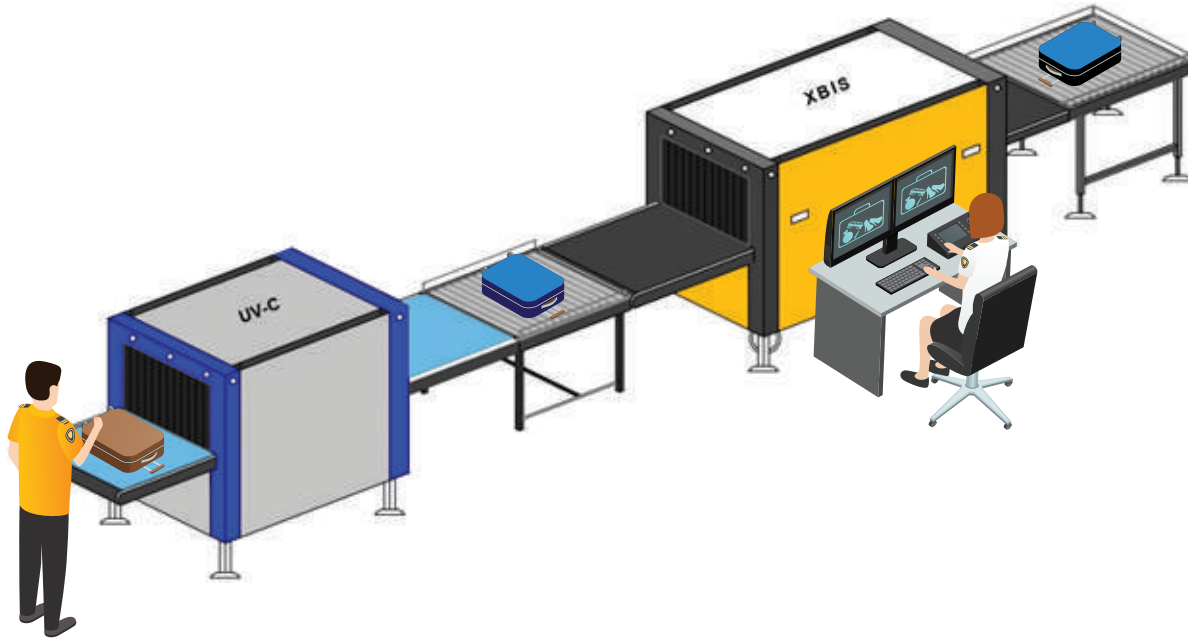




UV-C DISINFECTANT CHAMBER



The outbreak of COVID-19 has changed the way we live. In order to maintain services & ensure health and safety of staff & customers, organizations are looking for effective solutions for disinfection of objects, gadgets & surfaces.

The UV-C Disinfectant units are engineered to offer protection against unknown infection causing micro-organisms like bacteria, fungi, viruses & spores, including the COVID-19 virus by using Ultra Violet (UV-C) rays.

The Disinfectant-Chambers are available in various configurations to be used in conjunction with various tunnel sizes of X-Ray Baggage Scanners (XBIS) & can also be used **INDEPENDENTLY**.

What is UV-C & how it works?

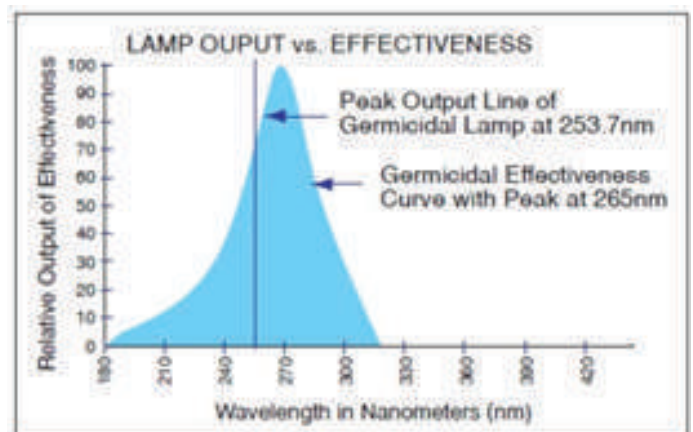
UV has been used many years for disinfection of drinking water, air, treatment of fruits & vegetables, etc. UV has been used within the healthcare industry to disinfect Operating Theaters, Room surfaces. The use of ultraviolet light for surface disinfection has increased due to its ease of use, short dosage times & broad efficacy.

Ultraviolet light exists within the spectrum of light between 10 & 400 nm. The germicidal range of UV is within the 100 - 280 nm wavelengths, known as UV-C, with the peak wavelength for germicidal activity being 265 nm.

UV-C is strongly absorbed by the DNA & RNA of micro-organisms thus disrupting their DNA & RNA structure, rendering them inactive. A cell that can't reproduce is considered dead; since it is unable to multiply to infectious numbers within a host. Our disinfectant chamber uses the above principle thus eliminating the risk of unknown infections.

SALIENT FEATURES

- Effective : 360° UV rays coverage to all object surfaces
- Internal surface coated with Aluminum for maximum UV reflection
- Fast : Can Disinfect objects in minimum time to eliminate 99% bacteria & viruses
- Safe : Operational safety ensured
- Environmental Friendly : No collateral damage to the environment of use
- Cost-effective : No recurring cost of disinfectant chemicals
- Low Maintenance



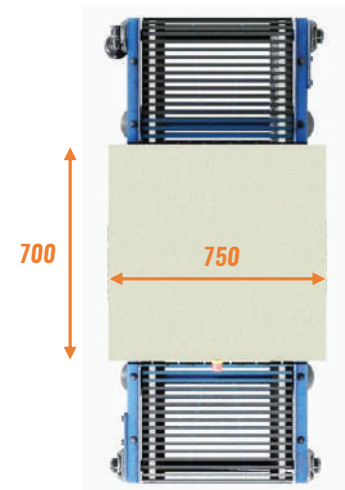
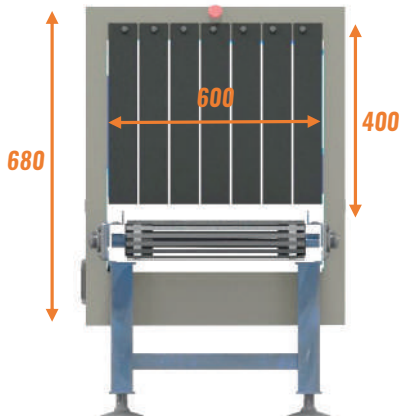


TECHNICAL SPECIFICATION

Features	Motorized Conveyor Model
Conveyor	Motorized conveyor; can be integrated with XBIS conveyor
Effective Tunnel Sizes (W x H) in mm	535 X 330 600 X 400 755 X 555 1000 X 1000 Customizable
Conveyor Speed	0.1 m/sec
UV Type	UV-C 254 nm Wavelength Non ozonizing glass bulbs
UV Life	12,000 hours
Exposure time	5 Sec
Construction	Steel outer panels; inner surface polished aluminum
Safety	Double curtain on both sides to prevent direct UV exposure
Power Consumption	Dependent on tunnel size, min 180 Watts

**IMPORTANT NOTE : ESSENTIAL TO ENSURE DIRECT EXPOSURE TO UV-C TO BE AVOIDED IN ALL APPLICATIONS
ALL OPERATIONAL SOPs TO BE STRICTLY FOLLOWED**

TYPICAL DIMENSIONS (mm)



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Specifications are subject to change without prior notice