



UV Tunnel for Trolley Disinfection

Objective: To reduce the risk of COVID-19 through the movement of trolley in the terminal building

Details of the System:

UV tunnel Length – 2000mm, Width – 1400mm, Height – 1400 mm

Trolley Material – Steel Rollers Contact Time – 20 secs

Wattage of each lamp – 108 Watts

Number of lamps – 6

Description and working of UV system:

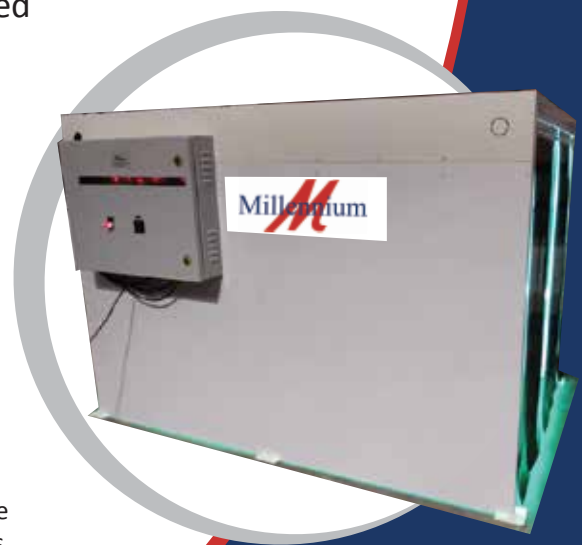
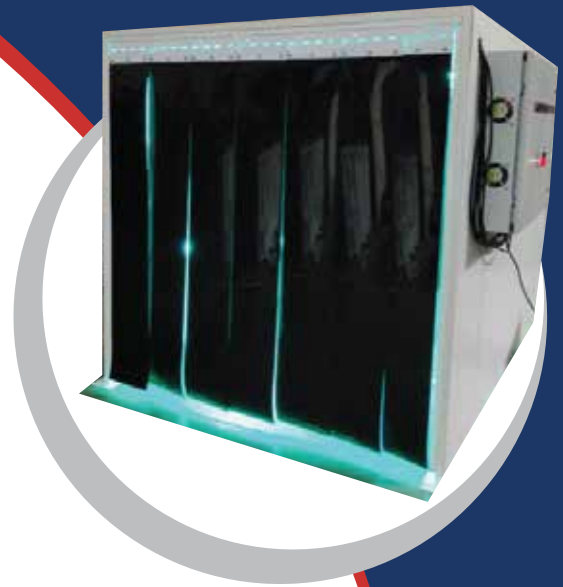
UV rays have been proven to reduce the risk of bacteria and viruses in air, water & surface for a very long time. Specifically, UV rays with 253.7nm are known to destroy bacteria & viruses (including the Corona Virus).

Our UV Tunnel is designed based on guidelines issued by the WHO.

The Millennium UV Tunnel for Trolley Disinfection delivers a dosage of 32.1 millijoules/ sq.cm in 20 seconds which is enough to kill over 90% of all microbes, bacteria and viruses.

Disclaimer:

1. D90 (90%) UV dosage for COVID 19 on surface – 226J/sq. M - 22.6 millijoule/sq.cm. (Ref Kowalski report pg.19)
2. Our system is designed to ensure minimal shadows/ black areas as the trolleys are pushed through tunnel. There however may be certain areas of the bottom part of the trolley which may not get covered because of the manner in which they are nested
3. Human interference from the UV Tunnel should not be in the radius of 3 meters around the tunnel while it is in operation. The personnel pushing trolleys through should wear full sleeve clothes, hand gloves and goggles to safeguard themselves from UV radiation. Prolonged exposure (3 minutes or more) to UV light is harmful



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Visit us at <https://millennium.in/manufacturing.php>
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