

Static & Contamination Control

D3I Defender 3-Fan Overhead Ionizer



The **D3I Defender 3-Fan Overhead Ionizer** is ideal for ESD & ESA Protection for applications ranging from Sensitive Electronics Assembly to Medical Device Manufacturing and Packaging. Featuring HDC-AC Technology, the **D3I** delivers efficient, balanced ionization, protecting your 4'~5' Workstation, equipment, products and materials against costly damage due to ESD, and from excessive contamination due to ESA (electrostatic attraction).



D3I

■ APPLICATIONS

- Control Static in ESD Sensitive Electronics, Automotive or Medical Assembly
- Eliminate ESA (electrostatic attraction) of Particulates for Medical Device, Electronics, Pharmaceutical and Packaging, and for all materials and components in clean room applications
- Eliminate static cling and repulsion of materials and parts in Injection Molding, totes/bins, conveyors, de-gating/de-flashing stations, and assembly
- Benchtop Medical Production and Testing
- PCB and Semiconductor Fabrication

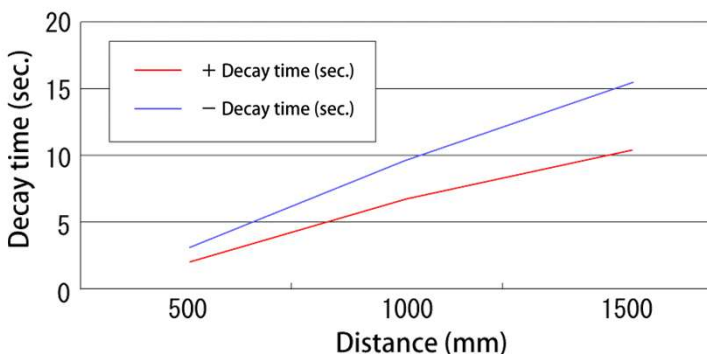
■ FEATURES & BENEFITS

- Dual LED Task Lights for increased visibility at the work area
- ANSI/ESD S20.20 Compliant
- Consistent and reliable static charge neutralization across entire work surface area
- Adjustable fan speed for easy optimization
- HDC-AC Technology for improved performance, superior Ion Balance, and reduced maintenance
- Alarm LED indicates if emitters need cleaning, or if unit has faulted
- Rugged construction requiring minimal maintenance with easily replaceable air filters

■ SPECIFICATIONS

- Input Voltage: 100~240VAC, 50/60Hz
- Input Power: 42VA (max)
- Fuse: 1A
- High Voltage Output: $\pm 7,500V$ o-p approx.
- Ion Balance: $\pm 10V$ (as shipped from factory)
- Airflow: 2.6~4.0m³/min (92~141cfm) x 3 fans
- LED Indicators: Power (Green), High-Voltage Abnormal (Red)
- Ozone: Under 0.005 ppm @ 150mm distance
- Environment: 0~40°C / 32~104°F; 15~85% RH non-condensing
- Dimensions: 1020x60.5x150mm/40.2x2.4x5.9"
- Weight: ~5.0kg / 11.02 lbs.
- Noise Level; 66 dBA @ 1m distance
- Includes: Unit, 115V US Power Cord, Manual

Decay time to distance (Airflow max. Center position)



Distance (mm)	500	1000	1500
+ Decay time (sec.)	2.2	6.9	10.4
- Decay time (sec.)	2.9	9.4	15.3