

# Static & Contamination Control

## D2I Defender 2-Fan Ionizer



The **D2I** is ideal for ESD & ESA Protection for applications ranging from Sensitive Electronics Assembly to Medical Device Manufacturing and Packaging. Featuring HDC-AC Technology, the D2I delivers efficient balanced ionization protecting your Workstation, equipment, products and materials against costly damage due to ESD, and from excessive contamination due to ESA (electrostatic attraction).



### ■ 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 cleanroom applications
- Eliminate static cling and repulsion of materials and parts in Injection Molding, totes/bins, conveyors, de-gating/de-flashing stations, and assembly
- Benchttop Medical Production and Testing
- PCB and Semiconductor Fabrication

### ■ SPECIFICATIONS

- Input Voltage: 24vDC
- Input Power: 25VA
- High Voltage Output:  $\pm 7,500V$  o-p approx.
- Ion Balance:  $\pm 5V$  or less
- Airflow: 1.4 to 3.2 m<sup>3</sup>/min (113cfm) x 2 fan on High Speed
- LED Indicators: Power (Green), High-Voltage Abnormal (Red)
- Ozone: Under 0.006 ppm @ 150mm distance
- Environment: 0~40°C / 32~104°F; 15~85% RH non-condensing
- Dimensions: 370x159x78.5mm/14.6x6.3x3.1"
- Weight: ~1.6kg / 3.5 lbs

## D2I

### ■ FEATURES & BENEFITS

- Compact BenchTop Ionizing Fan
- ANSI/ESD S20.20 Compliant
- Consistent and reliable static charge neutralization at workstation
- Adjustable fan speed for easy optimization
- HDC-AC Technology for improved performance, superior Ion Balance, and reduced Maintenance
- Multiple Alarm LED Indicators
- Rugged construction requiring minimal maintenance with easily replaceable air filter
- Adjustable-angle mounting stand, adaptable for benchtop, shelf and/or wall location