Optional Accessories

Remote Controller
High Voltage Output Adjustment
Output Timing Adjustment
Duty Cycle Adjustment
Clean Alarm Level Adjustment
HV Alarm Level Adjustment

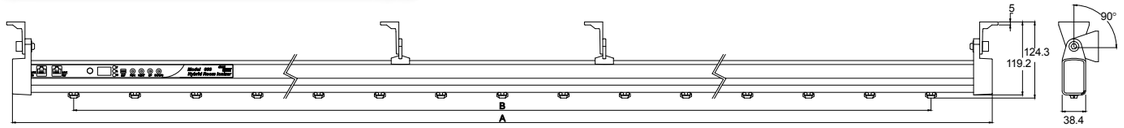
Replacement Emitter Points

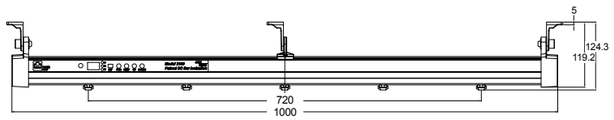
Power Adapter

Specifications

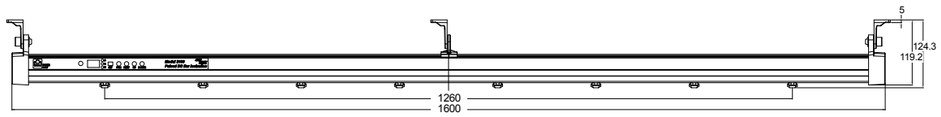
Input Voltage	24V DC, 5.7W Maximum
Output Voltage	14kV pk, 100V Resolution Adjustment
Length	800 - 3000mm, Custom Size Available
Timing	0.1 - 99.9 sec for each polarity
	0.1 Sec Resolution Adjustment
Ion Emission	Pulsed DC Technology
Ion Balance	Less than ±50V, User Define Adjustment
Emitter Points	Tungsten 99.99%
Display	3 Digit FND
Controls	Output Voltage Adjustment, Output Timing Adjustment, Alarm Setting
Alarms	HV Power Fail, Emitter Clean, LED & Audio
Enclosure	Cleanroom Compatible ABS, Polycarbonate
Dimensions	124 H x 50 D x Variable Length See Below
Operating	Temperature: 15 ~ 35°C / Humidity: 35 ~ 75% RH
Warranty	Limited 1 Year

Product Length and Detail Sizes





Model2200-1000



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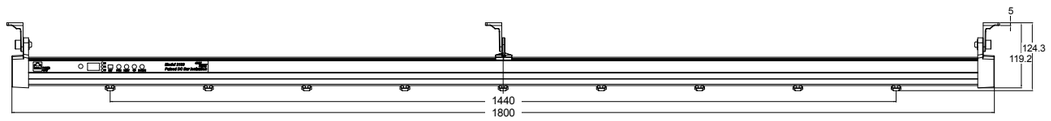
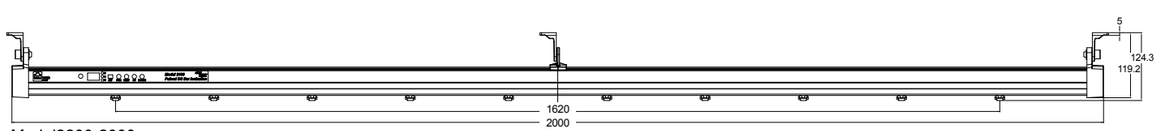


Model2200-1800



Model2200-2000

CORE INSIGHT 코어인사이트(주)

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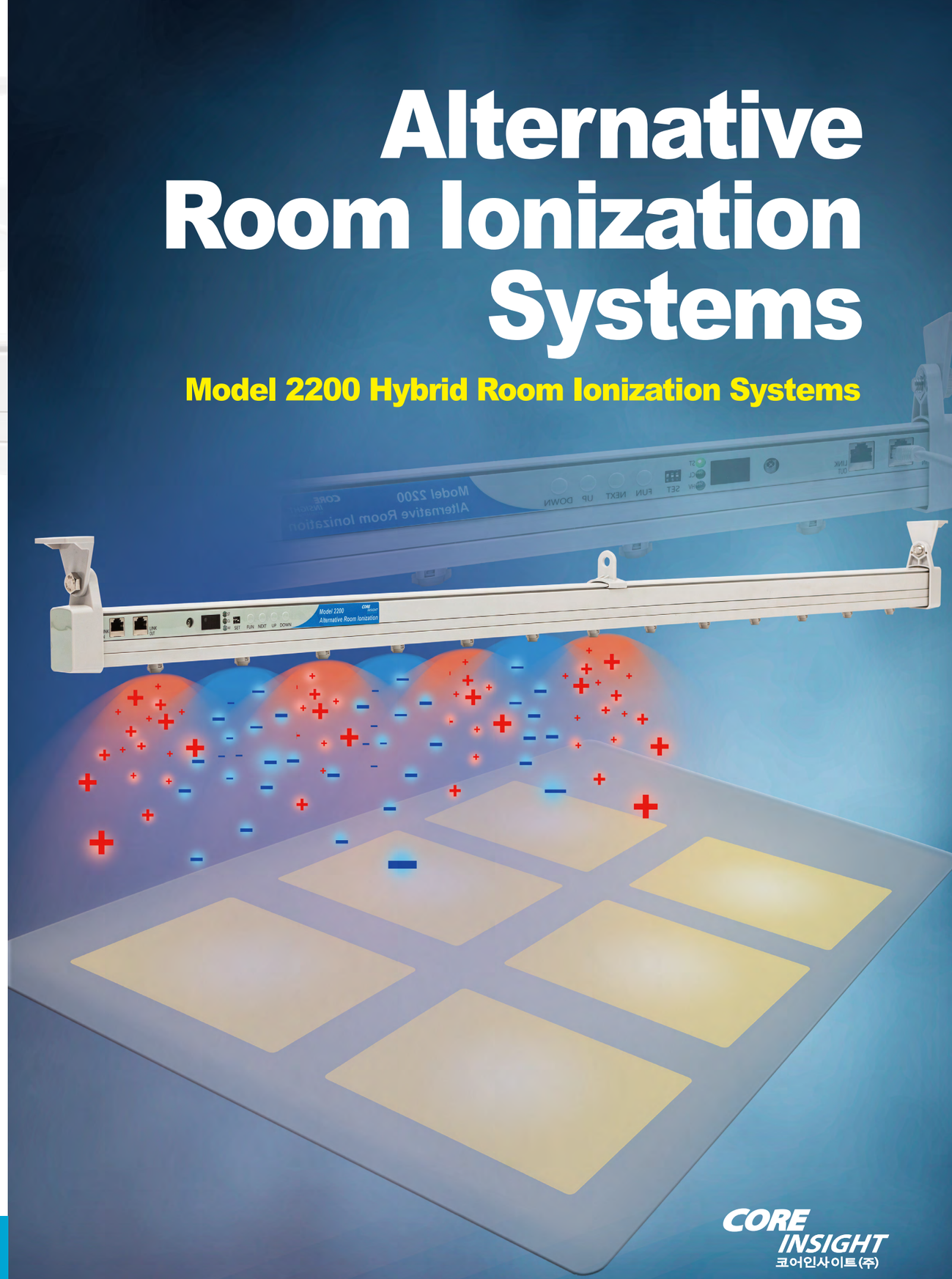
Alternative Room Ionization Systems

Model 2200 Hybrid Room Ionization Systems



Model 2200 *Hybrid Room Ionization Systems*

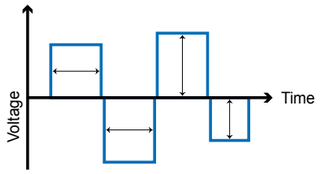
www.coreinsight.co.kr

Symmetrical Dual Bar Systems

Synchronized Ion Emitting Operation
Large Space or Room Ionization
Master & Slave Dual Bar System

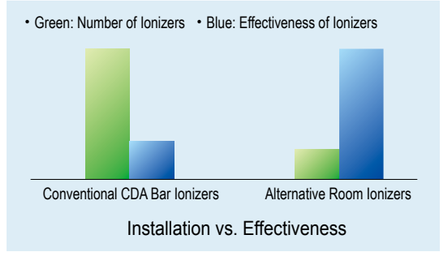
Features

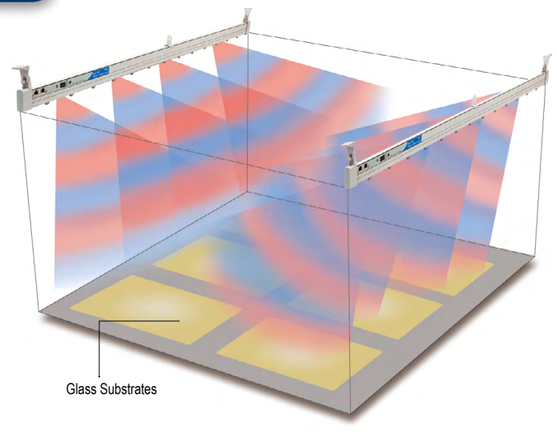
High Ion Current Output for FPD Industry
Microprocessor Based Digital Platform
Voltage Adjustment for Both Polarities
Timing Adjustment for Both Polarities
Remote Controller Adjustment

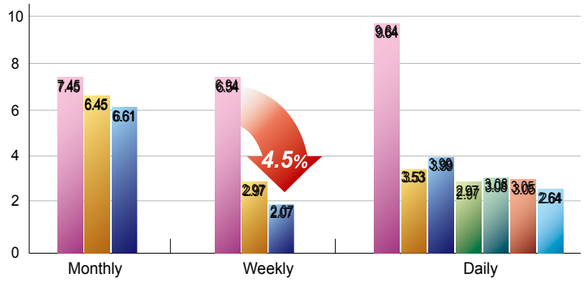


Advantage of Alternative Room Ionization

Highly Effective to Prevent Particle Attractions and ESD Damage on FPD
Large Area/Room Neutralization
Very Low Operation Cost
No CDA Requirement



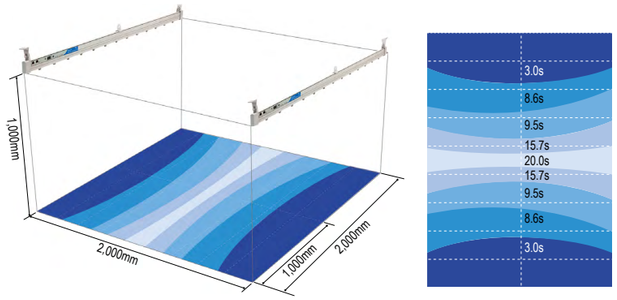




Yield Improvement

Using with alternative room ionization systems, FPD manufacturing process improves their yield from 6.69% down to 2.03% within two weeks and this improvement constantly maintaining in mass production.
Particle contamination and ESD problems are solved by this new technology.

Installation Example



Ionizer Test Result by CPM

Application Notes

Contamination and ESD issues in FPD are critical issues due to its design changes along with higher definition and fast refresh rates of display panels. FPD's contamination and ESD sensitivity are heavily related with it's size and thickness. Glass sizes are getting increasing.

General ESD control methodology do not work properly in FPD environment such as grounding procedure and adopt conductive contact materials. Semiconductor wafers and IC are relatively small and conductive.
FPD panels are highly insulative and large capacitances. To neutralize this FPD panels in production, manufacturers requires different level of ionization.
Model 2200 is innovative design for fast and large area neutralization such as Gen. 8 FPD plates or bigger in production. Dual symmetrical ionization system produce extremely large amount of ions through Pulsed DC technology.

Emitter Points Replacement

Normal Operation

Emitter Points

Normal Operation