

## BK5900- II / III DC Ionizing Air Blower

- Low power consumption, during high working volume. Full load power is 32W which equivalent to 2 small energy saving lamp and another kind is 45W in full load which equivalent to 3 small energy saving lamp.
- Stable voltage balance:  $\pm 5V$ . More precise after calibration.
- Fast and effective static removal. Discharge time of  $< 1$  seconds at 30cm and 1KV static voltage.
- LED illumination.

BK5900 can be used to control electrostatic charges in electronics and medical devices manufacturing and assembly, and plastic film assembly and cutting, rolling and encapsulation. Mold removing, plastic processing, test and packing. Flat panel display.

Two Fan



Three Fan



### Construction and Design

Double insulation layers in the front to test any unbalanced voltage and to protect from any other signal interference.

DC front placed, positive and negative ions will be mixed and better processed through and to eliminate electrostatic discharge.

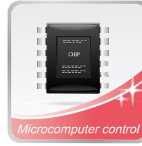
Button Clip design: Easy to pull off the body cover and clean emitter point and fan blades. When body cover is pulled out, turning off the built in circuit board power. It is safe for operators from electric shocking.

Easy to replace ion emitting point.

## Technology features



1.LCD display with menu options.



2.Micro-processor can be connected with PC computer so operators can monitor ion neutralizing status on computer devices.



3.Auto speed fan, turns 3k to 5k times per minute with strong airflow which delivered to large area. 1-3 levels to set up air volume.



4.Ion voltage balance can be defined manually. Once it go over the standard operator set up, alarm will be heard.



5.Password protection



6.Ion balance can be adjusted by software within 50V, to ensure ions neutralization.

## Specifications

Model	BK5900-III	BK5900-II
Input voltage	AC230V/50HZ	AC230V/50HZ
Power	50W	36W
Air volume	≤7.5m <sup>3</sup> /min	≤5.0m <sup>3</sup> /min
Ion balance	0±5V	0±5V
Static elimination time	≤1s	≤1s
Ozone Produced	≤0.03ppm	≤0.03ppm
Coverage	60x140cm	60x120cm
External Dimension	1045(L)X210(W)X180(H)mm	700(L)X210(W)X180(H)mm
Weight	7.54Kg	5.7Kg

## ESD test results

Operation voltage : AC220V , Testing voltage : 1KV-100V ,  
Operating Temperature : 25°C

Testing distance(CM)	30	40	90	120
Discharge(S)	0.8	1.2	3.5	6.3
Balance(V)	0±5	0±4	0±3	0±2
Air speed( Class 1, Class3)	3	3	3	3

Note: Testing result may change due to the change of temperature and humidity of environment within 30cm testing distance.

## Accessories



Ion Discharge Needle



Bearing DC Fan



Balance Testing module



High voltage module



Air Filter



Air Filter