

STATIC ERASER, Fan type

SDJ-14 EU (AC200V-240V) (EDP No.621366) Directive: CE, RoHS

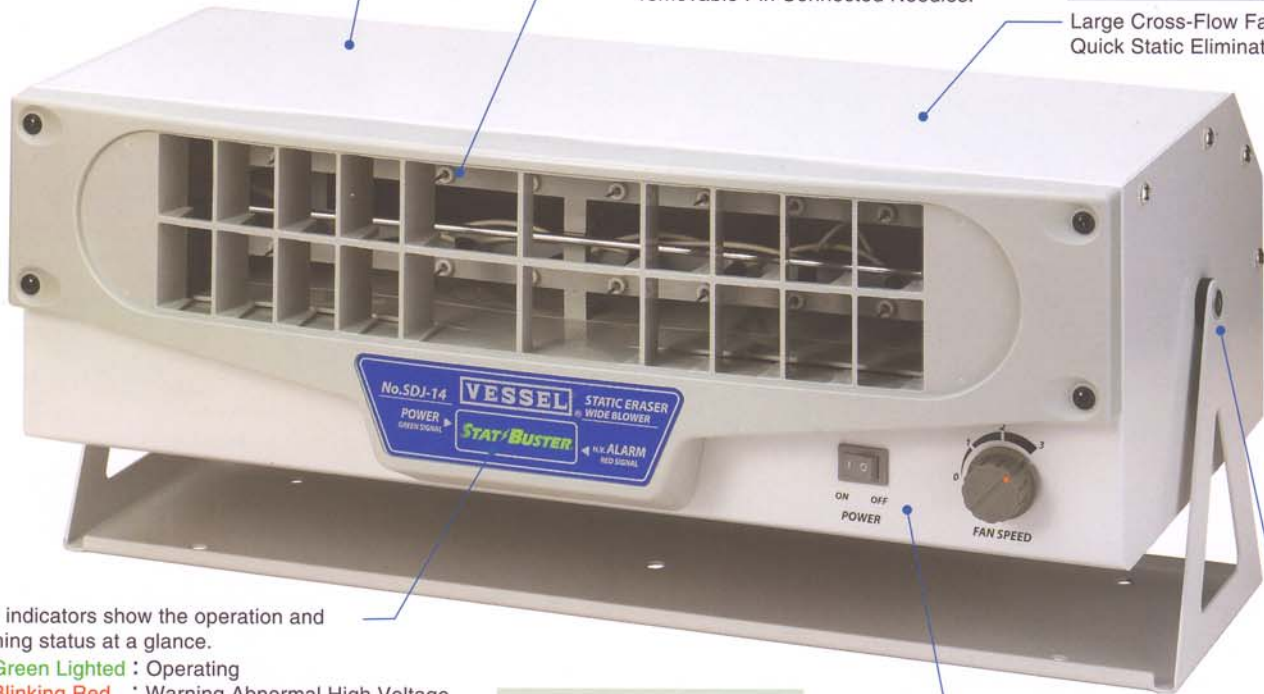
SDJ-14 JPN (AC90V-128V) (EDP No.621365) Directive: PSE (Japan Product Safety)

Wide Fan Type (Windless Available on Application)

Power supply over current prevention function and needle electrode discharge (electrode resistance) for two-stage safety construction.

Each 8 Discharge Needles of Positive and Negative Ion outputs powerful Static Elimination off the articles charged. Easy mounting and removable Pin Connected Needles.

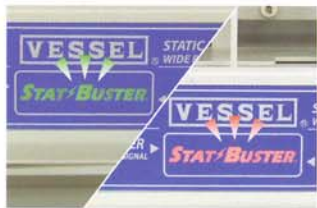
Large Cross-Flow Fan helps for Quick Static Elimination efficiently.



LED indicators show the operation and warning status at a glance.

Green Lighted : Operating

Blinking Red : Warning Abnormal High Voltage

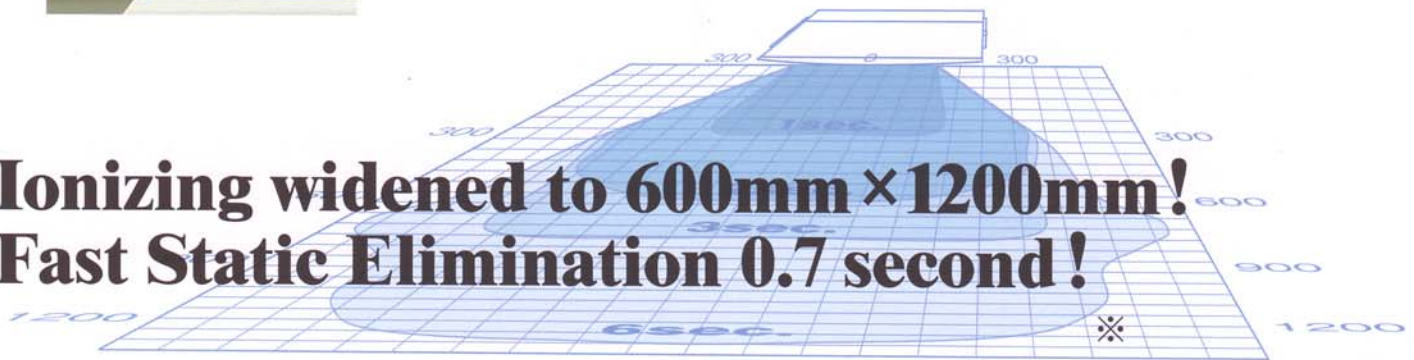


Controller

- Power Supply Switch
 - Fan Volume Control (off/mild/middle/strong)
- Applicable for Non-Fan, Natural Ionizing!

Adjustable Ionizing Direction
Tilted by fixing side screw.

Ionizing widened to 600mm × 1200mm! Fast Static Elimination 0.7 second!



A Wide Electricity Removing Area

The front cover was designed taking into consideration the large amount of air blown by the cross-flow fan and the ion flow and provides a wide electricity removing area (600 mm × 1200 mm).

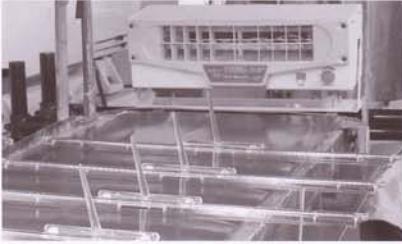
※ Check rear page with Static Elimination Chart for the elimination time and ion balance.

Fast Static Elimination

Powerful removal of electricity employing high voltage DC corona discharge.

The needle electrode employs a multiple needle construction having 8 positive and negative needles each. The generation of many ions makes it difficult to collapse the ion balance.

[Applications]



- Protection from dust collection, black stained.
- In advance of Silk Printing process, Static Elimination and Dusting out. Static Busting and Dust Blowing over the Printcard.



- Food containers and Cups, to prevent from non-stacking and poor printing.
- Also avoiding static charging in various Films large sized LCD module.



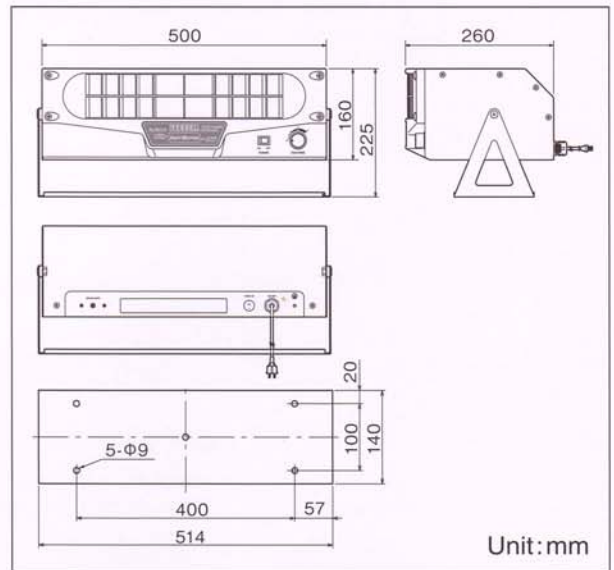
- Static elimination of Auto Bumper, Dashboard, Head Lamps, such large plastic moulded parts, and also for the procedures in prior to pre-painting and pre-coating.
- Installed together with machines of Cutting and Shredding and or Paper and Plastic bags.

SPECIFICATIONS

Model No.	SDJ-14 (EDP No. 621365)	SDJ-14 EU (EDP No.621366)
Ion generation method	High voltage DC corona discharge (8 positive and negative needles each.)	
Applicable Standards	PSE (Japan Product Safety Electrical Application and Materials)	CE (EN61010-1, EN61000-6-4, 3-2, 3-3, 6-2), RoHS
Input voltage	AC90 —128V	AC200 —240V
Power consumption	150mA	
Output voltage	±6.5 kV DC	
Maximum air flow	3.3m ³ / min (measured at 300mm in the front of unit)	
Working temperature range/ Working humidity range	+5~+40°C / 35~65%RH (No dewing or freezing)	
Dimensions	H225×W517×H260mm (with a stand)	
Weight	8.5Kg	10.5Kg
Static Eliminating Time	Check at Capacity Table of Static Elimination as shown below.	
Ion balance	within ± 30V ※ (within ± 10V before shipping)	
Distance from target area	Approx. 300~1200mm	
Ozone generation	Less than 0.05ppm (Measured at 50mm in the front of unit)	
Power cord length	1.8m	
Optional Separately Sold Part	Discharge Needle SDJ-05RH (Stainless Steel) (EDP No.806044) Filter SDJ-14F (EDP No.806045)	

※: Measured at max. fan speed, 300mm in the front of unit

DIMENSIONS



STATIC ELECTRICITY REMOVAL CAPABILITY

	300mm	600mm	900mm	1200mm	
	3.1V	0.1V	-0.6V	-0.6V	300mm
+	1.6 sec.	+ 2.2 sec.	+ 3.4 sec.	+ 4.8 sec.	
-	1.9 sec.	- 3.2 sec.	- 4.6 sec.	- 6.6 sec.	
	-0.1V	-0.6V	0.5V	-0.8V	150mm
+	0.7 sec.	+ 1.7 sec.	+ 3.2 sec.	+ 4.7 sec.	
-	1.0 sec.	- 2.5 sec.	- 4.4 sec.	- 6.6 sec.	
	-0.2V	-1.0V	-1.5V	-1.1V	0mm
+	0.7 sec.	+ 1.9 sec.	+ 4.0 sec.	+ 5.5 sec.	
-	1.0 sec.	- 2.8 sec.	- 5.4 sec.	- 7.5 sec.	
	0.8V	-2.0V	-0.3V	-0.6V	150mm
+	0.7 sec.	+ 1.0 sec.	+ 3.7 sec.	+ 5.4 sec.	
-	1.1 sec.	- 2.9 sec.	- 4.9 sec.	- 7.4 sec.	
	-3.0V	-1.8V	0.2V	-0.1V	300mm
+	1.4 sec.	+ 2.3 sec.	+ 3.5 sec.	+ 5.2 sec.	
-	1.9 sec.	- 2.9 sec.	- 5.0 sec.	- 7.5 sec.	

Measured with TREK Model 158 (150×150mm 20pF) is used to measure the charge potential dampening time and the ion balance.

Top : Ion balance

Middle : Dampening time from +1000V to +100V

Bottom : Dampening time from -1000V to -100V.

Specified 300mm, 600mm, 900mm, 1200mm indicates the distance from Static Eraser to charge plate monitor.

0mm, 150mm, 300mm indicates air flow width left and right.

Air Flow : Max., Temperature : 25°C, Humidity : 50%

※: Above data are measured at our inspection and may have slightly different figures according to the environment.

ELECTRICITY REMOVAL AREA

