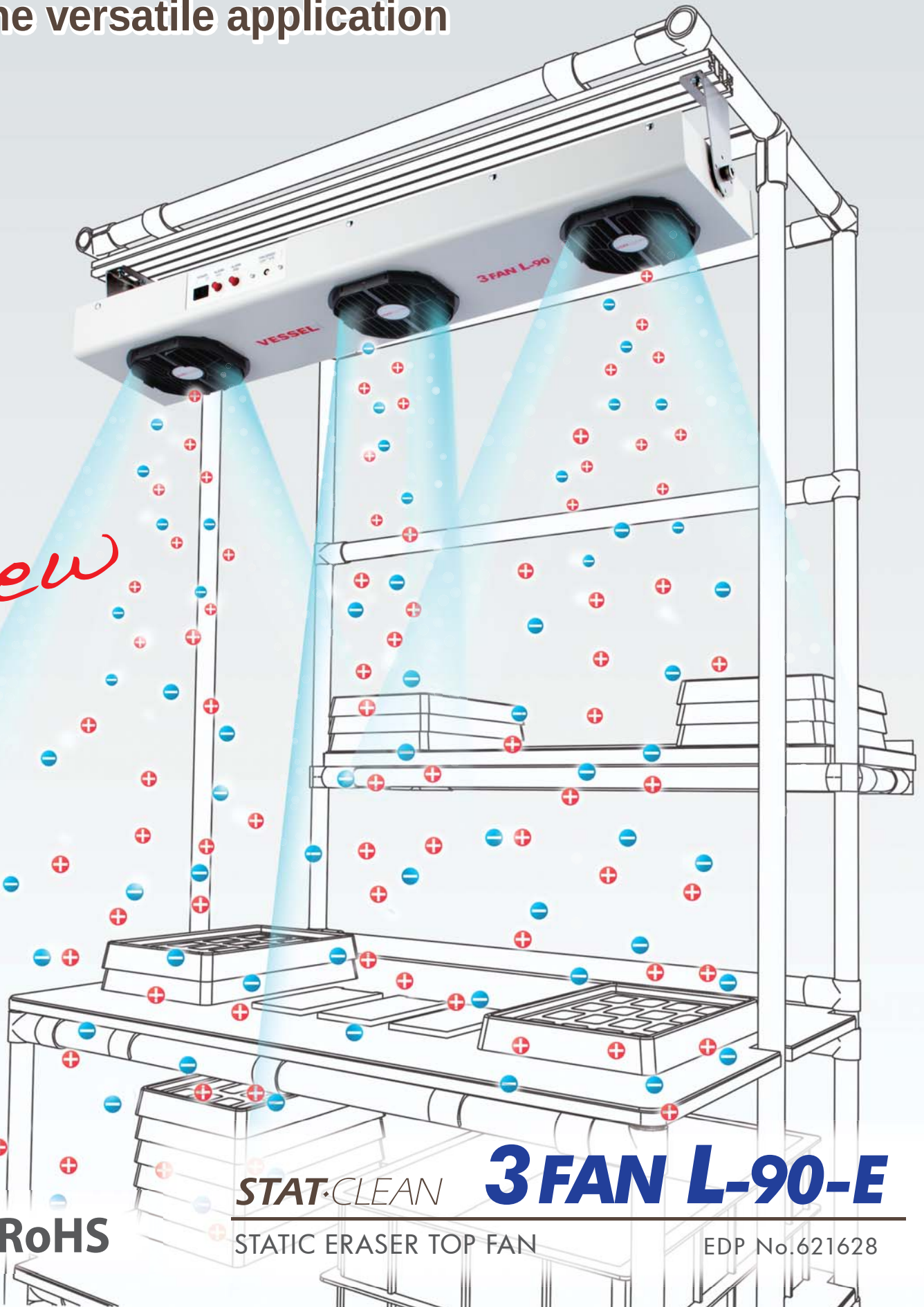


VESSEL

Butterfly louvers make possible

Efficient static electricity removal in the versatile application

New



CE RoHS

STAT·CLEAN

3 FAN L-90-E

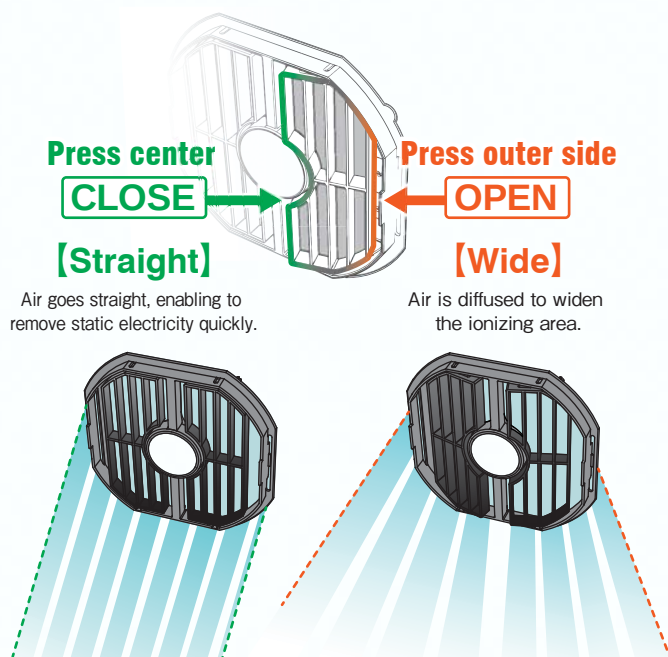
STATIC ERASER TOP FAN

EDP No.621628

Butterfly louver adopted!

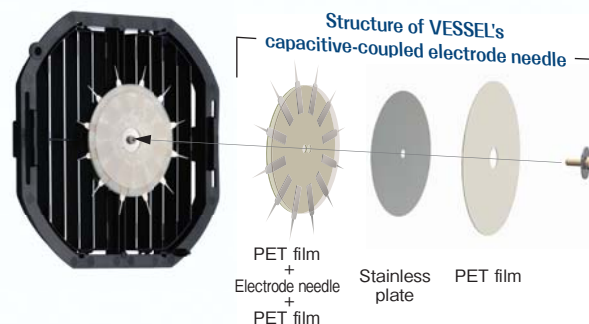


Butterfly louver for flexible setting of ionizing area



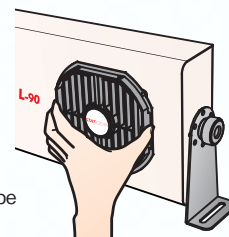
Unique capacitive-coupled electrode needles for stable and long-lasting ionizing performance

VESSEL's patented unique capacitive-coupled electrode needles enable the L-90-E to perform with the superior ion balance for long time. Highly frequent A/C piezoelectronic transformer generates ions in abundance and neutralizes charged products fastly.

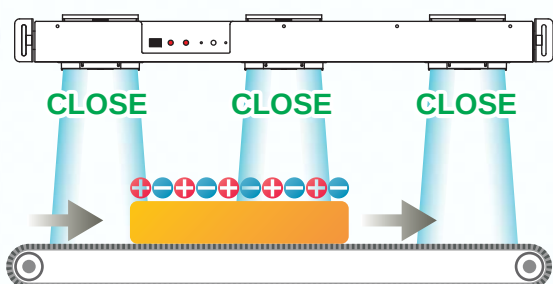


Easy maintenance

Front cover can be removed with a single motion. Needle electrodes are placed on the front cover, so they can be removed together with the cover. At places apart from the equipment, the cleaning of the needle electrodes can be conducted easily.



1.



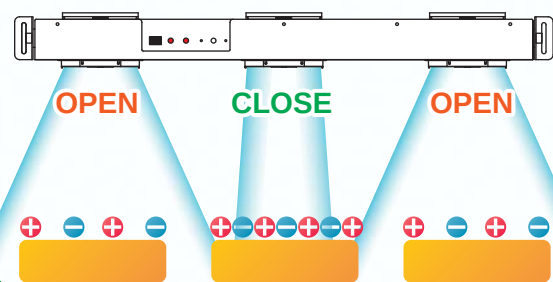
Transfer & Spot

- Laminate removal from large-sized glasses
- Film winding and unwinding
- Installation over a conveyor for resin molded products, and so on

Film winding and unwinding

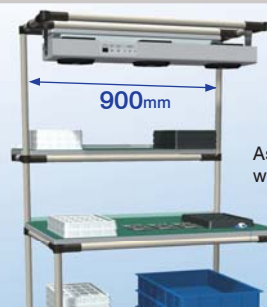


2.



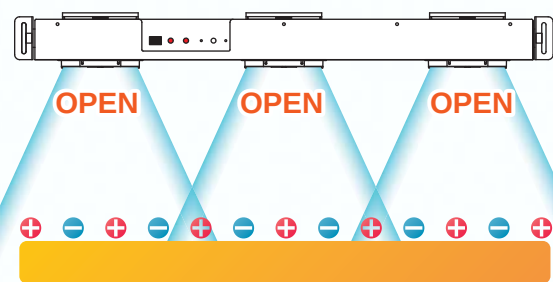
Area & Spot

- Spot neutralization of products by hanging the L-90-E from a working table
- Neutralization on stockers for prevention of static electricity and dust on resin molded products



Assembly line working tables

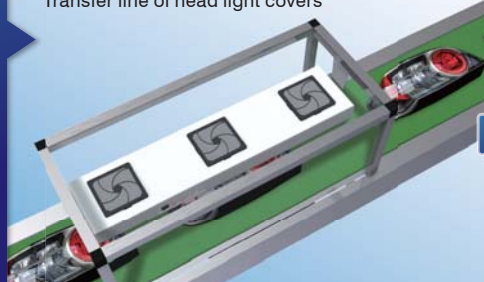
3.



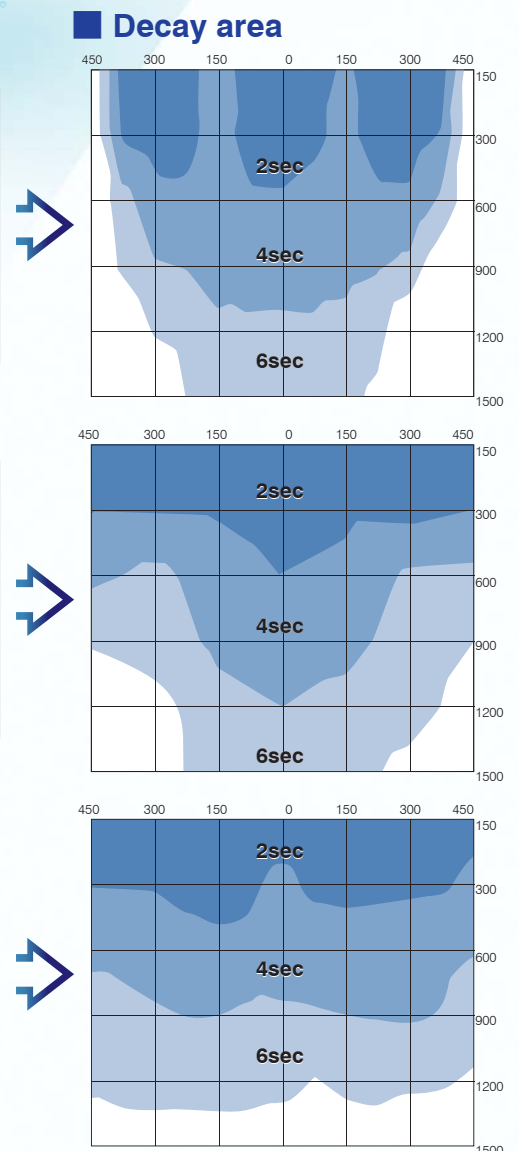
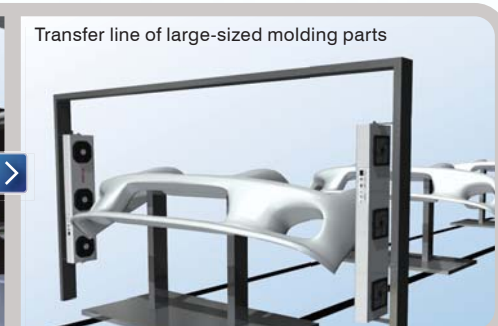
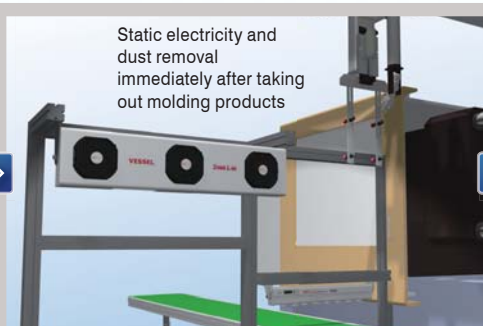
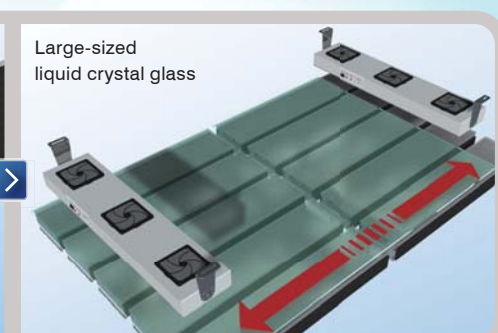
Wide & Area

- Installation in an air shower room and inside equipment
- Prevention of static electricity before painting and UV radiation process

Transfer line of head light covers

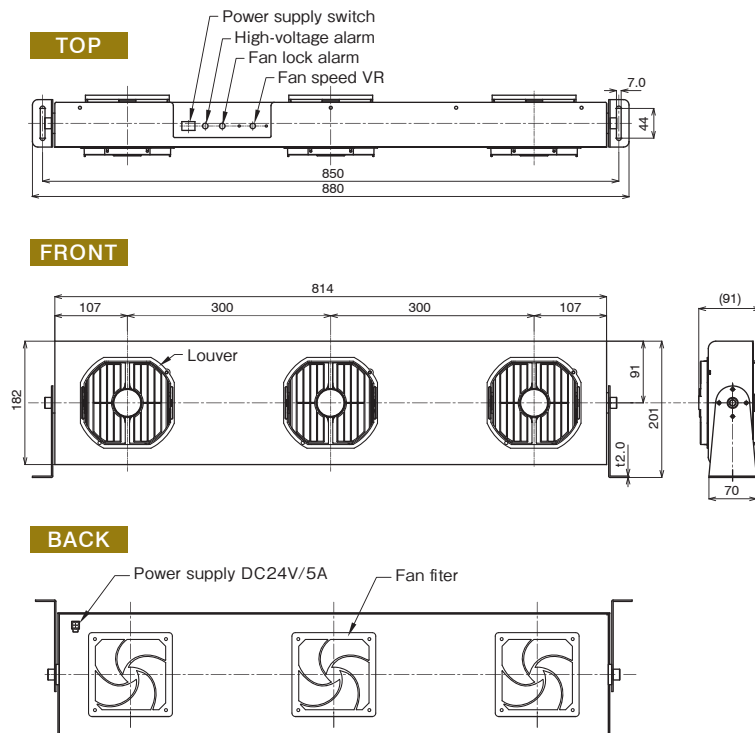


Flexible airflow direction setting with each louver enhances the neutralization performance!



External dimensions

L-90



Specifications

Model	L-90-E
Ionizing method	Piezo high-frequency AC Corona discharge method
Applied voltage	AC9.5kV(p-p)
Power supply and current consumption	DC24V $\pm 5\%$ 3.0A (max.)
Dimensions (mm)	H182×W814×D91 (with stand: H201×W880×D91)
Weight	4.7 kg
Fan speed	4.7m ³ /min (each fan) × 3 fans (at max. airflow)
Noise level	72dB at maximum fan speed (Measured at 1m)
Ozone production	0.05ppm or less (Measured at 50mm)
Alarms	High voltage output stop (red LED), fan locked (red LED)
Protection function	Fan motor rotation monitoring function (Detecting rotation lock) High-voltage output shut down function (overload detection)
Operating environment temperature and humidity	5 ~ 40°C 35 ~ 65%RH (with no dew condensation or freezing)
Storage environment temperature and humidity	0 ~ 60°C 35 ~ 85%RH (with no dew condensation or freezing)
Operating range	150 ~ 900mm
Installation place	Non-hazardous place indoors
Decay time	Refers to the items in the performance chart.
Ion balance	Within $\pm 10V$ (At 300mm, at the time of factory shipment)
Air filter	Sponge filter
Material	Casing ... SPCC, Stand ... Stainless steel Front Cover... Flame-retardant ABS resin Electrode ... SUS304

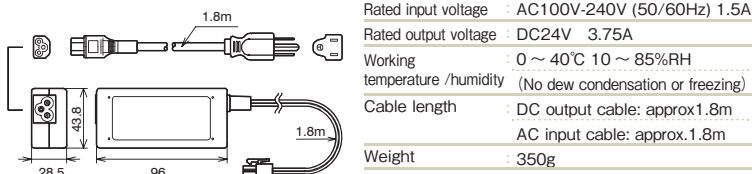
※The measurement values were obtained using the VESSEL measurement environment, so error could be induced depending on the operation environment.

Replacement parts

Front cover electrode	Fiter	Fiter Set
L-90CH	L-90F	L-90FS
		
EDP No.806132	EDP No.806133	EDP No.806134

Accessories Adapter

AD24-IT37



Rated input voltage	: AC100V-240V (50/60Hz) 1.5A
Rated output voltage	: DC24V 3.75A
Working temperature /humidity	: 0 ~ 40°C 10 ~ 85%RH (No dew condensation or freezing)
Cable length	: DC output cable: approx1.8m AC input cable: approx.1.8m
Weight	: 350g

Fan-type Ionaizer

F120R-E

Butterfly Louver !

for wider and far reach
static erasing area

High Voltage Transformer
Piezolectric high-frequency AC corona discharge
Ion balance
within $\pm 10 V$
Decay time
1.3 sec or less (F-120) / 2.5 sec or less (F-120S)



EDP No. 621642

CE RoHS

Specifications

Model No.	F120-E
Ionizing method / Applied voltage	Piezolectric high-frequency AC corona discharge/AC 10kV (p-p)
Power supply and current consumption	DC24V $\pm 5\%$ / 700mA (max.)
Ion balance	within $\pm 10 V$
Decay time	1.3 sec or less
Operating range	150 mm to 900 mm
H×W×Dmm	H198×W162×D70mm
Weight	0.9kg
Fan speed	3.66m ³ /min (max.)
Noise level	HL 62.1 dBA
Ozone production	0.05ppm or less (measured 50mm)
Operating environment temperature and humidity	5°C to 40°C / 35% to 65% RH (with no dew condensation or freezing)
Accessories	AC adapter AD24-IT-EX AC cable (1.8m)



● For safety purposes, read the instruction manual carefully before using the unit. ● Do not use this product in an explosion-proof area. ● A high voltage is applied on this product. Make sure that water, oil, solvents, etc., do not come in contact. ● Avoid dew condensation as it can result in electric shock or product damage. ● Keep away metal objects such as tools or needles, or body parts such as fingers, hands or face from the needle electrode because a high voltage is applied on the needle electrode.

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●For improvements, the product specifications, size, price and other information may be subject to change without prior notice.

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