

## Short bar type of ionizers for reliable neutralization



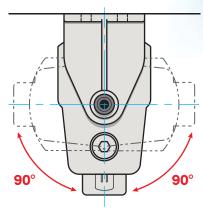
# **CONVENIENCE**

More convenient installation



#### With a bracket for installation

· Right-and-left angle can be set up to 90 degrees.



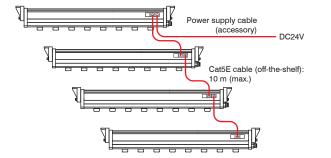
### NEW

#### Consolidated terminals on the back side

Power can be supplied up to 4 units by daisy chain wiring.
ON/OFF operation and alarm output is remotely possible.

Interface terminal (RJ 45)

Power input terminal (RJ 45)

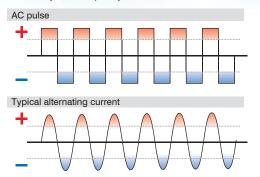


# SPEED

Super Fast Static Electricity Removal

#### AC pulse method

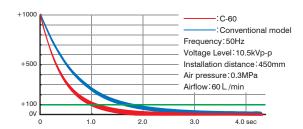
 AC system that alternatively generates positive ions and negative ions from each electrode in the square wave.
 Since ions are generated at the maximum width of each electrode frequency, the ion volume is high and static electricity can be quickly removed.



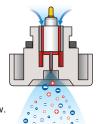
## NEW

### High-speed neutralizing needle

 Newly-designed needle reduces the consumption of air which rapidly sends ions to workpieces by an air purge.



 It can not only prevent the contamination of the tip of the discharge needle, but also neutralize charged substances by sending generated ions with fast air flow.



## Optimal method for conveyors and instruments



## MAINTENANCE

Easy maintenance

#### One-touch needle replacement

 A socket type needle can be easily replaced.



#### **High Voltage Alarm**

 If any problem occurs at the high voltage output, the high voltage error lamp lights and AL-1 appears on the display.
 Signal can also be output.



# SETTING

Various setting menus

#### Frequency

• The frequency can be set in ten steps (0.1 to 50 Hz).



#### Voltage Level

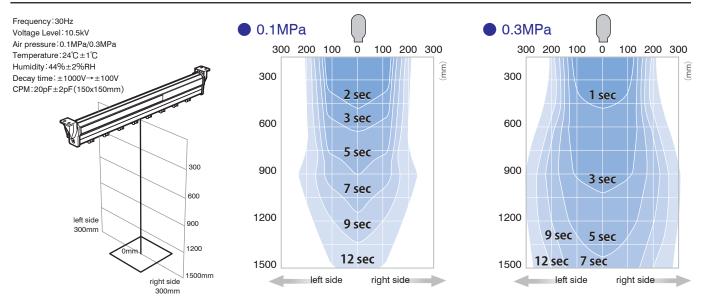
Changing the output depending on the charged workpiece can quickly neutralize it. (Ten steps)

Voltag	ge level(H)	01	02	03	04	05	06	07	08	09	10
kV p-p	)	8	8.5	9	9.5	10	10.5	11	11.5	12	12.5

#### **Pulse Ratio**

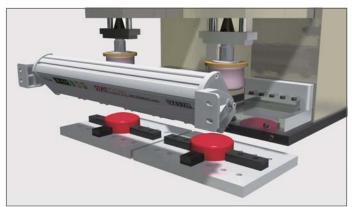
• Changing the pulse ratio, which is from 40 to 70% on the positive side, can adjust the ion balance.

### Static erasing performance





Headlight after form



Pad printing (no air supplied)



Cup containers before placing ingredients

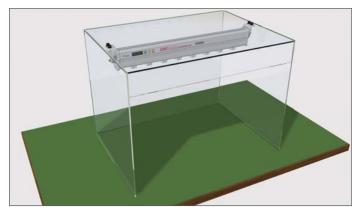


Three-side pillow packaging (no air supplied)

### **Applications**



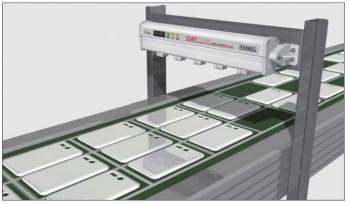
Cell work table (no air supplied)



Simple clean bench

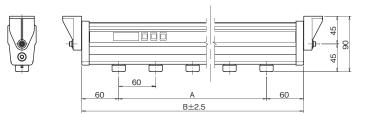


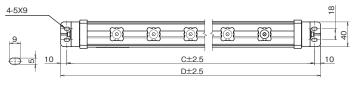
Mounter unit (no air supplied)

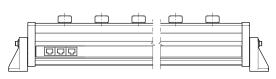


Mobile devices before coating

#### **External dimensions**

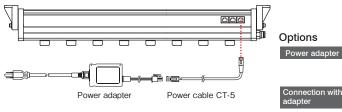






Model	Electrode needles	А	В	С	D	Weight	Air consumption (0.3MPa)	
C-40	5	240mm	360mm	402mm	422mm	0.78kg	48L/min	
C-60	8	420mm	540mm	582mm	602mm	1.08kg	64L/min	

#### Example of power connection





#### **Specifications**

•						
Ionizing method	Pulse AC Corona discharge					
Input power supply	24 VDC ± 5 % (connector RJ45)					
Power consumption	max 7.8W					
Air supply hose diameter	PT 1 / 8, Hose ø8 mm OD×ø6 mm ID					
Air supply	Clean dry air or nitrogen (N2) (0.3 MPa or less)					
Setting functions	Applied voltage: can be set in ten steps from 8.0 to 12.5 kVp-p. Frequency: 0.1, 0.3, 1, 3, 5, 8, 10, 20, 30, 50Hz Pulse ratio: Positive ion 40 to 70%; and can be adjusted by 0.5%.					
Ion balance	± 30 V (Distance 1000 mm)					
Alarm output	High voltage error					
Operating temperature	0 to 50 ° C, 35 to 85 %RH					
and humidity	(With no dew condensation or freezing)					
Operating distance	Approx. 50 to 2000 mm					
Ozone production	0.05 ppm or less					
Decay time	See previous page (measured value, not guaranteed value).					
Material	Body: Flame-retardant ABS resin, Needle electrode: Tungsten					
Accessories	Instruction Manual, Power supply cable (10 m for input 24 VDC ± 5%) x 1, Signal cable (10 m) x 1, End brackets x 2 (already on the body)					
replacement parts	Electrode Needle socket C-00HR					

 Power adapter (I/P:AC100V-240V O/P:DC24V 0.75A)
 AD24-IT-EX
 EDP No: 806050

 Power adapter (I/P:AC100V-240V O/P:DC24V 1.5A)
 AD24-ITCF-EX
 EDP No: 806074

 Power adapter (I/P:AC100V-240V O/P:DC24V 1.9A)
 AD24-IT19-EX
 EDP No: 806080

 Power cable (5m)
 CT-5
 EDP No: 621709

### Line-up of C series (long models)

### Clean & Compact

Newly designed high-precision and high-speed ionizer applying a new technology

 C-90
 EDP No:621851
 NEW C-220
 EDP No: 621859

 C-100
 EDP No:621852
 NEW C-250
 EDP No: 621860

 C-120
 EDP No:621853
 NEW C-270
 EDP No: 621861

 C-150
 EDP No:621854
 NEW C-300
 EDP No: 621862

 C-170
 EDP No:621855
 NEW C-300
 EDP No: 621862





- 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 from the needle electrodes metal objects such as tools or needles, or body parts such as fingers, hands, or face, because a high voltage is applied on the needle electrodes.

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