

Pistol-Type Ionizer (Without Power Supply)**PEİ-4007****PEİ-4002****Can you imagine neutralizing charged insulators with an ionizer without electrical power?**

ESD programs must include an appropriate grounding method. Even if all personnel, workbenches, and floors are properly grounded, there are still some insulating (insulator) materials in production areas. Neutralizing insulators is critical to keeping the error rate low. This is because neutralizing insulators is critical to keeping error rates low. This is because insulators easily become charged, even if the other materials they come into contact with are grounded. Charged insulators retain their charge for a long time because they cannot provide a sufficient conduction path for static electricity to discharge. This can cause serious malfunctions in sensitive electronic devices. Ionizers are one of the most common and effective pieces of equipment used to eliminate electrical charges on insulators. All corona-type ionizers require electrical energy to function properly. However, our innovative and unique Powerless ECO Ionizer is an exception in this regard. This product does not require electrical power and operates solely on air pressure.

Technical Specifications**Ion Mode:** AC 10 kHz**Decay Time:** 0.2 sec ($\pm 1000V \rightarrow 100V$)**Ion Balance:** Less than $\pm 10V$ **Operating Air Pressure:** 3 ~ 6 Bar**Air Flow Rate:** 80 ~ 120 L/min**Air Outlet Angle:** 25°**Effective Working Distance:** 10 cm ~ 50 cm**Product Life:** 5,000 ~ 10,000 hours**Weight:** 230 g

Working Principle

It is extremely simple to use. When you grasp the ionizer and press the trigger, air is directed into the ionizer. Thanks to the high-pressure air, the special generator inside the ionizer automatically activates and produces positive and negative ions.

Features

No need Electric Power Source

No Battery

Compact and Handy

Stable Ion Balance & Quick Decay Time

Easy Operation and Maintenance

LED Indicator for high & Low Voltage

Air Flow Control Knob

ATEX and CE Certified

**Applications**

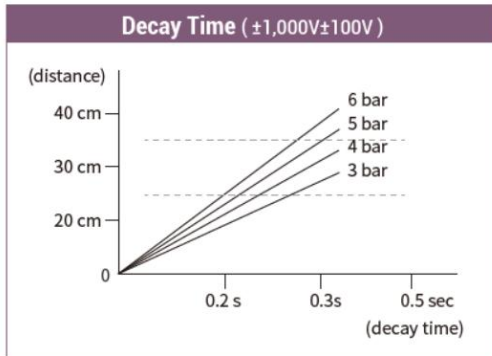
Electronic Production Assembly

Printing and Coating Processes

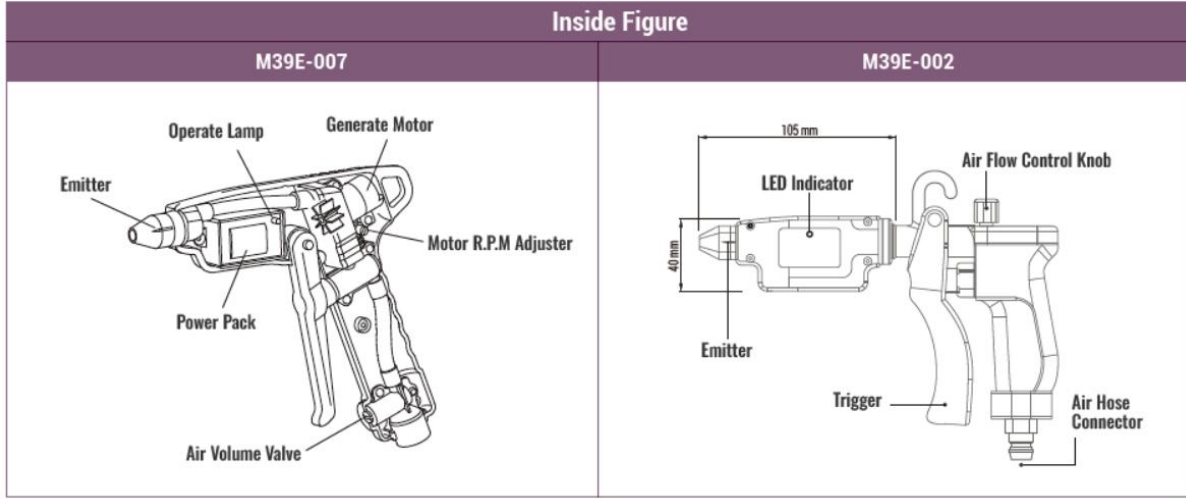
Plastic Injection and Processing Processes

Film and Packaging Process

Painting Process in Automotive Industry

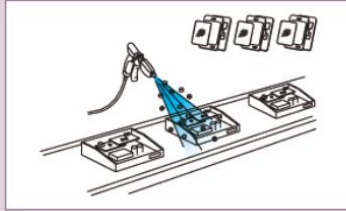


Inside Figure



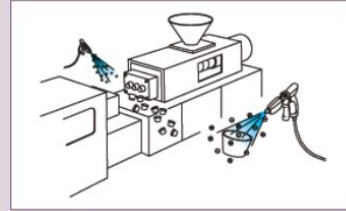
1 Electronic Component Assemble

- Remove EMI, ESD, dust



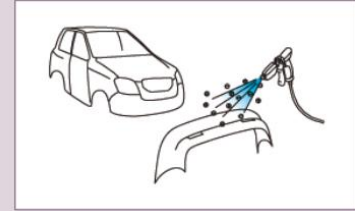
2 Plastic Injection

- Prevent static shock and remove dust



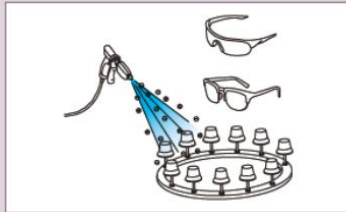
3 Car Painting

- Remove EMI, ESD before painting



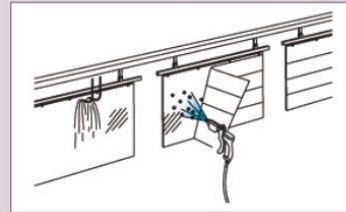
4 Optical Lens Coating

- Remove EMI, ESD, dust



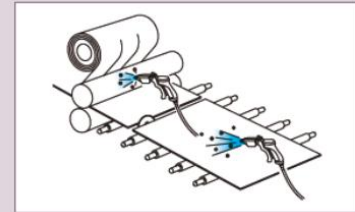
5 Plastic Sheet Coating

- Prevent static shock and remove dust



6 Plastic Sheet Extrusion

- Remove dust on roller and sheet surface





Electronics Production Assembly



Printing and Coating Processes



Plastic Injection and Processing Processes



Film and Packaging Process



Compatible with IEC 61340-5-1:2016