

Product Informations

Our Product Lineup

Light Irradiation-type

Light Irradiation-type Static Eliminator IRISYS



Soft X-ray Irradiation Static Eliminator **IRISYS-SX ISX-224**

(Manufacture: Takasago Thermal Engineering Co., Ltd.)

[Outline view](#)

[Specification](#)

• about icons



Feature of the product

The ISX-224 is a compact, powerful device that eliminates static by using soft X-ray irradiation to directly ionize gas molecules.

1Regardless of the flow state of the gas, the gas in the space irradiated by the light is ionized over a wide area, a stable performance is acquired and not being affected by the uneven air flow in the vicinity of the target object.

2Daily maintenance are not required. The X-ray head is replaceable after usage of average lifetime 8000 hours.

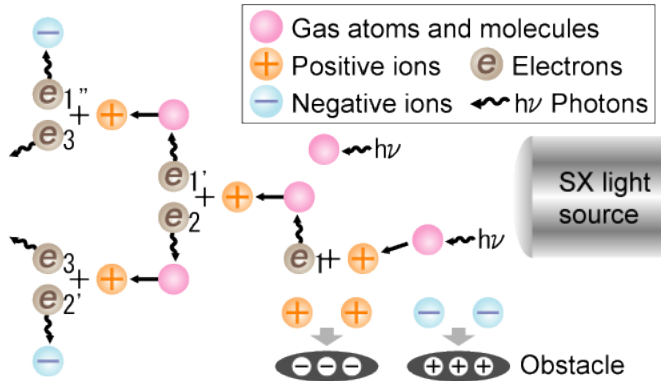
3Due to the even distribution of the positive and negative ions, the residual potential of the target object can be reduced to 0V.

4It uses light to ionize the gas molecules. Under the atmospheric pressure, the device can eliminate static from inert gases such as N₂(Nitrogen) or Ar(Argon).

5The light-irradiation system does not generate any dust whatsoever, and the electromagnetic noise is minimal.

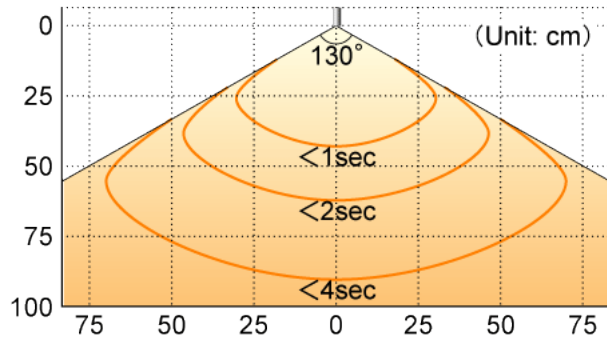
6This system comprises two units: a soft X-ray head and a power unit. It can therefore be easily installed in manufacturing systems or conveyor operations.

Principle of Static Elimination



Relationship between Static Elimination Performance and Distance

Soft X-ray tube head (maximum irradiation angle: 130°)



Static elimination target object: 150mm×150mm (20pF)

Static elimination potential: ±5kV → ±0.5kV

Necessity of Insulation

The basic regulation for the handling of radiation is to make exposure as close to zero as possible. The standard for radiation should focus on the protection through insulation instead of just to meet the limits by law.

Insulation of Declaration

Please confirm with the local Labor Standards Office and related authorities.

Contact

Products Index

Specification

IRISYS-SX ISX-224

X-Ray Head

Model name	SXH-224
Method	Soft X-ray Irradiation
Dimensions	30x50x96mm(WxHxD)
Light	Soft X-ray Tube
Tube Voltage	9.5ekV
Cooling Method	Nature Air Cooling System
Material	Main Body: Aluminum/SUS304
	Window: Be(Beryllium)
Weight	350g
Controller	
Model name	CTR-224II
Dimensions	120x32x140mm(WxHxD)
Input Power	AC100V to AC240V , 50/60Hz
Consumed Electricity	11W
function	Remote Terminal, Accesorry Terminal, I-PRO Terminal,Remote Mode, Ion Generation Mode, POWER Switch,ION ON/OFF Switich, Tube Life-Span Indicator
Weight	500g
Accessories	Control Cable (10m), Accesorry Connector, Power Code(2m), Radiation Control Area Display Sticker, Manual

*CTR-2244 II is also available for 4 heads connection