

Anti static, dust removal and collection box

Electrostatic dust removal box adopts high frequency AC method and designed to remove static electricity, dust removal and dust collection. Suitable for removing the static electricity and dust of liquid crystal parts, lens resin molding products and electronic parts, and can completely avoid the dust from secondary adhesion. The small cabinet ensures an effective range of static elimination and dust removal, thereby reducing costs, improving work quality and efficiency, and saving work space.



Applications

Unit static eliminator

A small nozzle type static eliminator is installed inside. At the same time, the low-voltage high-frequency discharge method ensures that the dust removal is faster and safer.



Suitable for desktop operations

Ensure the effective range of static eliminating and dust removal with high performance, and reduce the production cost, save the operating space, greatly improve the work efficiency.



Support assembly line production

After the workpiece is put in, the air curtain above the front and side of the dust removal box is activated, and a shield wall is formed inside and prevent dust from the external environment. The upper and left transparent acrylic covers have good visibility and can be removed. Besides, by removing lower side cover and install the product on the assembly line, work efficiency can be further increased.

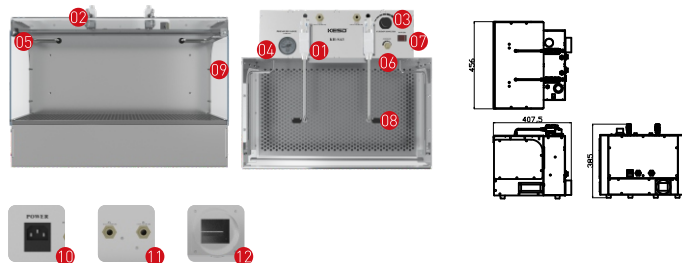


Step

Once placed in the work piece, each function will start running.



Anti static, dust removal and collection box KH-SA3



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|---|---|---------------------------------|
| 01 Ionizing air nozzle (KZ-10A) | 05 Air curtain tube | 09 Transparent antistatic cover |
| 02 Silencer spray head | 06 Throttling valve (Regulate air curtain tube) | 10 Power port (rear panel) |
| 03 Regulating valve (Regulate air flow) | 07 Power switch | 11 Air inlets (rear panel) |
| 04 Pressure gauge | 08 Optoelectronic switch | 12 Exhaust duct (rear panel) |

Technical Parameters

Category	Parameters	Category	Parameters
Input voltage	AC220V/50Hz	Working temperature	0°C-40°C
Current consumption	2600mA	Working humidity	30~70%RH (no water drop condensation)
Accessory static eliminator	KZ-10 (2 set)	Tube diameter	Φ12
Ion balance Ion balance	Auto ion balance system ± 0.5 35V	Opening size(mm)	450X179
Airflow applied	Clear air (without water and oil)	Overall size(mm)	456X407.5X385
Action time Immediate	automatic induction with sensor	Working area(mm)	450X258.5X179
Air pressure range	Free setting in the range of 0.05-0.5Mpa	Weight(kg)	23.5

Test conditions working voltage:DC24V testing voltage: $\pm 1000V \pm 100V$ Temperature: $32^{\circ}C \pm 2^{\circ}C$

Distance	Decay time (+/-)	Ion balance (+/-)	Remark:
180mm	0.7s/-0.9s	$0 \pm 35V$	Test conditions: 1.Voltage changed from $\pm 1000V$ to $\pm 100V$. 2.Test the decay time with the charge plate of 150mm×150mm (20pF).