

SHENZHEN ATTEN TECHNOLOGY CO., LTD.

- Soldering Iron
- Soldering Station
- Hot Air Rework Station
- Multi-function Rework System
- Switching DC Power Supply
- Regulated DC Power Supply
- Solder smoke purify machine
- Programmable Power Supply

ATTEN



ST-1015/ST-1015W Static Eliminator AC Ion Fan

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MADE IN CHINA
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SHENZHEN ATTEN TECHNOLOGY CO., LTD

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01/Safety and cautions

- The design of this product (including software) and its accessories are under tutelage of laws. Any action to violate relevant right of our product will be penalized by the law. Please consciously observe relevant local laws in the use of this product.
- Thank you for purchasing our products Please read this manual carefully and pay attention to warnings and precautions mentioned herein before using this product.

	warning	Failure to comply with a WARNING may result in serious injury or death.
	Attention	Failure to comply with a ATTENTION may result in injury to the operator, or damage to the items involved.
	Danger	Danger high voltage, warning electric shock

07/ Product warranty

• Warranty regulations:

- ① The warranty period of this product is calculated from the date of purchase. During the warranty period, under the condition of normal use of this product, if the fault occurs due to the quality problem of the product itself, according to the content of this warranty card, you can enjoy free maintenance serve at the authorized repair place designated by the company (or the company) by presenting the original warranty card. Please keep the proof of purchase and this warranty card, and present them together when maintenance.
- ② During the warranty period, paid maintenance services will be implemented in the following situations:
 - a. Failure to provide a valid warranty card or valid certificate.
 - b. Items such as the date of purchase and the name of the sales unit are not completely filled in or the warranty card is altered.
 - c. Damage caused by failure to operate in accordance with the usage methods and precautions written in the instruction manual.
 - d. Damage caused by natural disasters or force majeure.
 - e. Damage caused by dismantling, repairing or modifying the product without the authorization of the manufacturer.
 - f. Replacement of fragile and consumable parts.
- ③ All items of the warranty card must be filled in completely by the agent or user directly to obtain a 24-month warranty period.
- ④ Please keep this warranty card properly, it will not be reissued if it is lost.
- ⑤ In special circumstances, the two parties shall negotiate and deal with it.
- ⑥ The final interpretation right belongs to our company.

User Notice

The warranty period of this product is valid within 24 months from the date of purchase. For any product quality problem, the company will be responsible for free maintenance with this card and purchase certificate.

Note: When this product is returned to the factory for maintenance, the warranty card must be attached, other wise it will not be repaired for free, thank you for your cooperation (please read the warranty regulations for warranty related instructions)

Product warranty card

Product Model: _____ Product No.: _____

EX-Factory No.: _____ Sold Date: _____

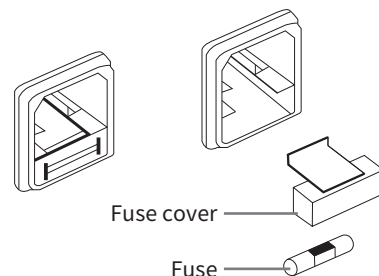
This product test result is qualified and met the technical standard.

Disclaimer

- We will take no responsibility for any personal injury or property damage caused by reasons other than the product quality problem, which may include force majeure (natural disasters, etc.) or personal behavior during the operation of this product.
- This manual is organized, compiled and released by SHENZHEN ATTEN TECHNOLOGY CO., LTD. According to the latest product features. We will not be responsible for further notice of the subsequent improvement of the product and this manual.

• Changing fuse:

- ① After power off , unplug the power cord from the power receptacle;
- ② Remove the fuse cover and remove the fuse;
- ③ Replace new fuse; (Please use the accessories from the original factory)
- ④ Put the fuse cover back.



06/Maintenance

⚠ Warning

- It should be maintained by qualified electric technician or service personnel specified by original factory to check the fault or clean the machine.
- Before carrying out any cleaning or maintenance work, always make sure that the appliance is disconnected from the mains supply by unplugging the power cord from socket-outlet.

Description	Reason	Guide
Unable to start	Fuse unequipped or damaged	Check if the fuse is damaged (if so, please replace the fuse according to the conditions)
	Motherboard burnout	Please contact the local dealer or manufacturer for assistance.
Lose the ability to electrostatic removal capacity	High voltage pack anomaly	Please contact the local dealer or manufacturer for assistance.
	Ion emitting covering dust affects performance	Cleaning ion emitting needle

• After-sales contact

- If the machine fails, or cannot work normally due to unknown reasons, please contact the local dealer or manufacturer for consultation.
- After-sales service department tel: 400-998-6633

- We assume that user have common sense and basic relevant electrical operation knowledge before using this product. Children shall not play with the appliance without supervision.

⚠ Attention To avoid damaging to unit and please keep the operating environment safe.

- To avoid electric shock, injury to user or causing fire, please comply with the following items.
- To ensure your safety and avoid damage to the unit, please use parts and accessories that have been approved or recommended by our factory.

⚠ Warning

- READ ALL INFORMATION BEFORE USE.
- Power off when not in use or unattended. Place the soldering iron handle the iron stand , This tool must be placed on its stand when not in use.
- Keep this product away from flammable materials. When using, please inform other people in the area near the machine. Please do not touch the machine because of high temperature
- Do not apply to the same place for a long time.
- Be aware that heat may be conducted to combustible materials that are out of sight.
- Do not leave the appliance unattended when it is switched on.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- Cleaning and user maintenance shall not be made by children without supervision.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved
- Children being supervised not to play with the appliance
- Cleaning and user maintenance shall not be made by children without supervision
- Children of less than 3 years should be kept away unless continuously supervised.
- CAUTION — Some parts of this product can become very hot and cause burns. Particular attention has to be given where children and vulnerable people are present.
- Symbol 5641 of IEC 60417-1 (do not cover) is marked on the appliance, its meaning is explained
- In order to avoid overheating, do not cover the heater.
- heater is not located immediately below a socket-outlet.

⚠ Attention

- Before switching on the power supply, ensure that the voltage of the product conforms to the applicable local voltage to avoid permanent damage to the machine.
- Do not touch the fan and ion emitting needle when power is on.
- Do not fill stuffs through the air inlet and outlet location.
- The unit generates high voltage inside, please clean up ion needle by professionals.
- Do not use this product if you are inexperienced or have no sufficient necessary knowledge without the guidance of related personnel.
- Do not use this product under wet environment or with wet hands to prevent electric shock.
- To ensure the normal operation of this product's grounded function, make sure that the power supply is well grounded when connecting the machine.
- Before carrying out any cleaning or maintenance work, always make sure that the appliance is disconnected from the mains supply by unplugging the power cord from socket-outlet.
- Please use the accessories from the original factory when replacing the product parts.
- Do not play or do other similar dangerous actions when using this equipment, because it can easily lead to injury to others or yourself.
- Do not use it for any purpose other than the function of the product, to avoid machine damage or personal injury.
- Do not modify this product and its accessories, otherwise the original warranty will be invalidated or damage may occur to the product.
- When plugging and unplugging the power cord and handle plug, please hold the plug body and do not pull the cord.
- Do not hit the product or its accessories too hard during the operation; otherwise damage may occur to the product.

02/Package list and appearance description

• Packing list



• Static eliminator ion fan host *1



• Power cord *1



• Ground wire *1

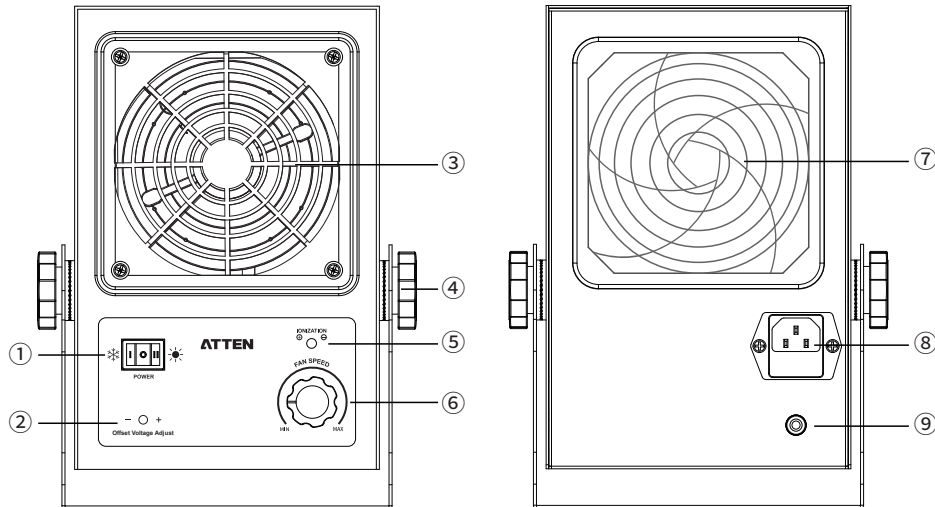


• User manual *1



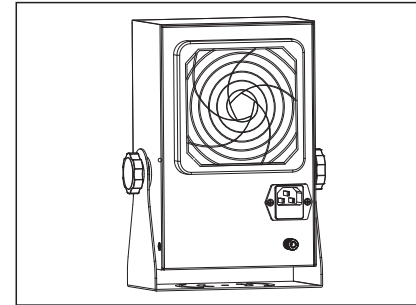
• Certificate *1

• Appearance description

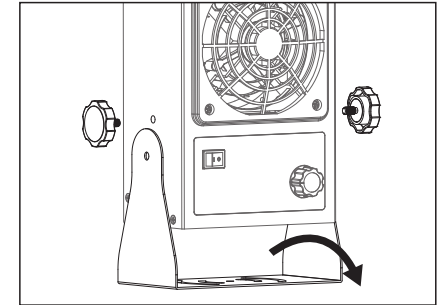


• Change ion launcher:

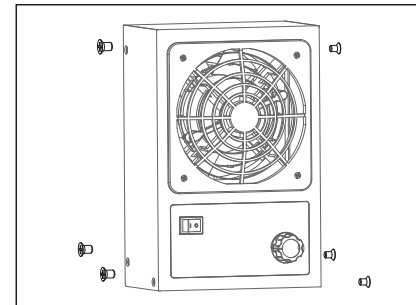
⚠ Note: The ion launcher can be changed according to the use, otherwise it will have a serious impact on static electricity elimination ability.



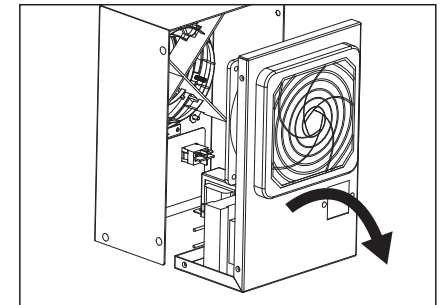
① After power off, wait for ion emission needle to discharge 5 mins;



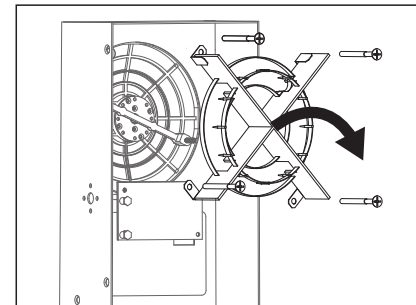
② Disassemble static eliminator ac ion fan's fixed bracket;



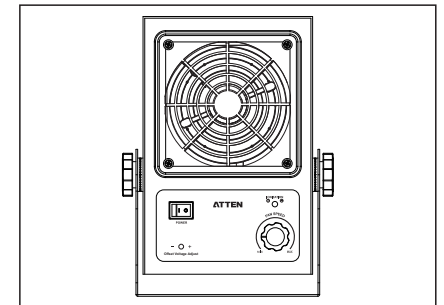
③ Loosen the screws;



④ Remove wire rod and the casing of the machine;



⑤ Remove the ion launcher screws, replace new ion launcher; (Please use the accessories from the original factory)



⑥ After finishing ion launcher replacement, follow the disassembly steps to restore the machine.

05/Static eliminator ion fan maintenance

• Ion emitting needle change and clean



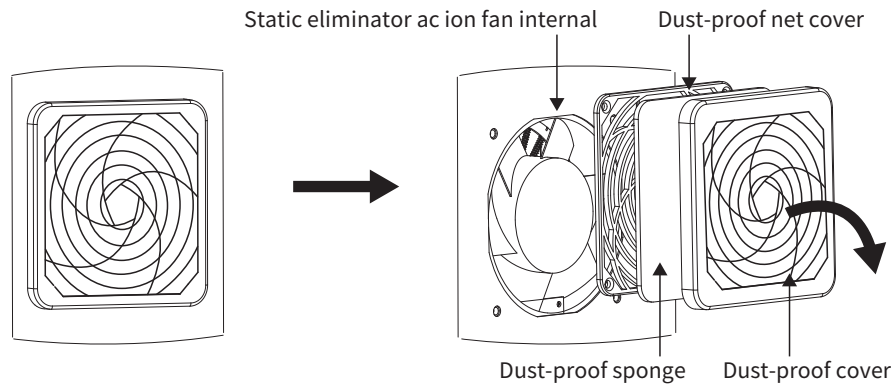
Danger

- The unit generates high voltage inside, professionals needed when change or clean up ion needle, turn off power before clean, and wait the ion emitting needle discharge for 5 mins.

• Clean dust-proof cover:

Remove the cover dust-proof cover and dust-proof sponge from the static eliminator ac ion fan, and clean it with a soft brush, cloth or ultrasonic equipment.

Static eliminator ac ion fan internal can be cleaned with a soft brush, cloth or air gun.

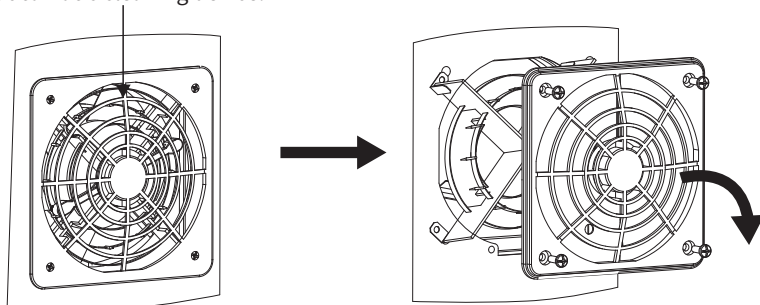


• Automatic cleaning device:

Remove the automatic cleaning device from the static eliminator ac ion fan, after ion emitting needle completely discharged, clean it with a soft brush, cloth or ultrasonic equipment.

Note: The ion emitting needle is sharp, pay attention to safety when cleaning.

Loosen the screws and remove automatic cleaning device.



- ① Power switch
- ② Adjust ion balance
- ③ Automatic cleaning device mask
- ④ Angle adjustable knob
- ⑤ LED indicator light
- ⑥ Fan speed knob
- ⑦ Dust-proof cover
- ⑧ Power interface
- ⑨ Metal ground rod

03/Specification

• Technical parameters

Model	ST-1015	ST-1015W (warm air)
Rated operating voltage	AC 220-240V~ 50/60Hz (110-120V~ 60Hz)	
Output voltage	AC 4.5KV	
Ozone protection	<0.01 PPM	
Power	15W	360W
Air volume	≤2.4m ³ /min	
Heating temperature	40-45°C (air outlet)	
Static elimination time	≤2S	
Ion balance	≤±10V	
Ion balance adjustable	yes	
Effective range	400*1500mm	
Ion emission needle	Stationary	
Work conditions	Temperature 0°C~45°C; Relative humidity<75%RH (Suggestions 50%~70% humidit run with the best)	
Dimension	146 (L) x85 (W) x238 (H) mm	
Weight (N.W.)	≈2.98Kg	
Installation	Desktop, Hanging, Clamping	

• Packing

Inner box package	Outer carton package
Inner box size:282x210x235mm Product weight: ≈2.98Kg G.W: ≈3.48kg	Outer carton size: 435x297x495mm Package: 4pcs/carton G.W: ≈15kg

04/Operation instruction

• Operation:

- ① Place or fix static eliminator ac ion fan in a stable working environment, connect the power cord to the power interface on the host.
- ② Turn on the power switch, after the cleaning brush starts to work for 3-5 seconds, the static eliminator ac ion fan will enter normal operation and the indicator light will be displayed as green.

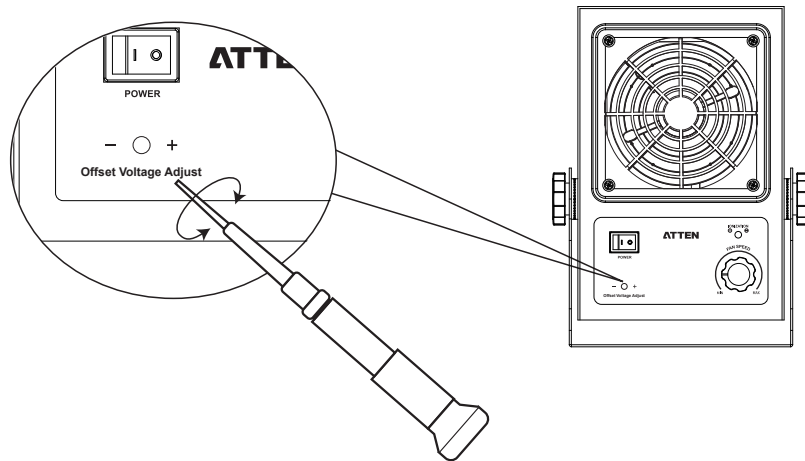
Note: ST-1015W has warm air function, "I" means cool air, "II" means warm air, "O" means power off.

• Air volume adjustment:

- Adjusting with clockwise means adding air volume, counterclockwise means reducing air volume.

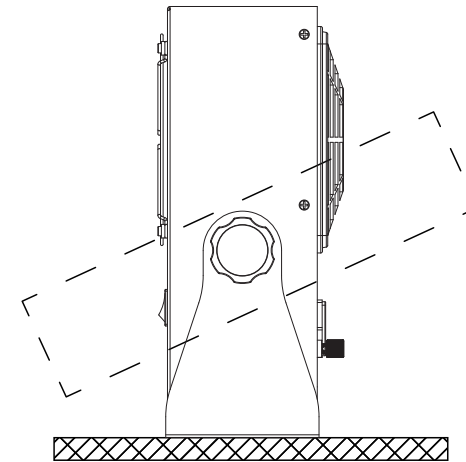
• Adjust ion balance:

- If the ion balance voltage of the machine exceeds the technical parameters requirements, it is necessary to adjust the ion balance voltage. Use a special adjusting tool or a small flat-head screwdriver to align with the corresponding adjustment port. Adjust the voltage in the directions of "+" and "-" marked on the machine panel according to the requirements (as shown in below figure).

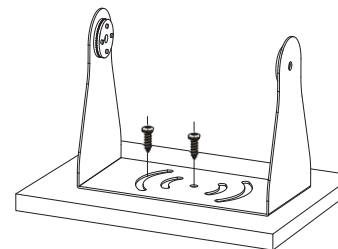


• Adjust angle of static eliminator ac ion fan:

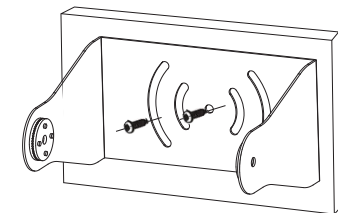
- The orientation of the air outlet can be adjusted according to the operating environment, with 10° as one gear and 0~265° air outlet adjustable.
- It is recommended that the distance between the static eliminator ac ion fan and the workplace between 30cm and 90cm. If the static electricity need to be neutralized quickly, the recommended distance is 15cm.
- Under working, try to make the ion wind cover a large area of the work place. The direction of the ion wind can be adjusted by tilting the fan.



- According to the use environment, the ion fan bracket supports placed on the table or hung vertically.



Desktop



Hang up