AIRTECH

SS-MAC



Equipment instruction manual

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1. Preface

Thank you for purchasing our company's SS-MAC.

- Please read the manual carefully and use the product correctly. Improper operation will cause serious accidents.
- Please make sure to appoint the operation and management personnel of this equip ment. If any abnormal accident occurs, please report to the manager immediately.
- Do not tear off the specification label on the device.
- This manual is written for standard equipment, but for special specifications, it can also be used as a reference.

2. Receiving notice

- Please check carefully and confirm whether the product is damaged due to the shipping process.
- Please confirm whether the product is consistent with the content of the order.
- Our company's products are strictly controlled from production, inspection, packaging to shipment. If there is any problem with this product, please contact us within 3 days of arrival. If the product is improperly used or modified, it won't be covered by our warranty.

3. Safety instructions

- Please read the "safety instructions" carefully before using the product, and use the product correctly.
- Be sure to follow the precautions described here.
- The markings and descriptions are shown in the figure below.

Marking	Description
Danger	If you do not comply, there is a high possibility of serious harm to life or body and mind.
Cautions	If you do not comply, it may cause minor injuries or mal-function of the machine.
Forbidden	Prohibited matters
Follow	Indicates to matters that need to be enforced.

| 3-2 Precautions during installation

Danger

- It is forbidden to install in an environment prone to fire or explosion.
 - This equipment is not explosion-proof.
 - It is forbidden to install in an environment prone to fire and full of explosive gas.
- Wiring work should be performed by professionals.
 - There may be a risk of electric shock.
- Install at a place where the base plate has sufficient strength.
 - Please install at a place that can bear the weight of the equipment.
- Install the equipment before connecting the power line.
 - Avoid electric shock.
 - Be sure to ground it.

▲ Cautions

- Please do not use it in the following places to avoid malfunction of the machine.
 - Places with low or high temperatures.
 - Places with heavy moisture or moisture is prone to occur.
 - Places that are likely to cause dust accumulation.
 - An outdoor space that is exposed to wind and rain.
 - If you want to install in a special environment, please contact our company to discuss opinions.

- nstall the device in a stable position.
 - If the device is installed in an unstable position and tilted, it may cause problems with the operation of the blower.
- Do not block the return air vent.
 - Blocking will reduce the return air volume, and thus reduce the performance of the equipment.
- Plan maintenance work area.
 - The filter must be replaced regularly, and maintenance work such as the blower and electrical wiring must be maintained.
- Confirm the voltage specification.
 - Please confirm whether the input power is the same as the equipment specifications to avoid the risk of fire and combustion of parts.

| 3-3 Precautions when using

- Danger
 - Please cut off the power supply before checking.
 - Sudden operation of the equipment may cause electric shock.
 - When replacing the pre-filter, please stop the blower first.
 - To prevent the blower from inhaling objects or causing personal injury.

♠ Cautions

- Be careful of electric shock.
 - Do not operate the device with wet hands, as this may cause electric shock.
- On not switch the power switch multiple times within one minute.
 - Switching the power switch repeatedly in short period of time may cause the blower or electric control parts to burn out.
- O Do not touch the electronic control parts.
 - Do not touch the electric control parts inside the device. If you have to, please cut off the power first.

O Do not damage the power cord.
Do not place heavy objects on the power cord or arbitrarily place it.
 Damage to the power cord may cause accidents such as fire or electric shock.
On not modify the equipment.
 It may cause electric shock, fire, and equipment performance degradation.
Olt is forbidden to use volatile oil or thinner to clean the equipment.
 Do not use volatile oil or thinner to clean the equipment to avoid the fading and peeling of the coating.
Please clean and replace the filter of this equipment regularly.
Please clean and replace the filter according to the operation method described
later.
3–4 Precautions when abnormal
Danger
It is forbidden to disassemble and repair by yourself.
 Improper handling may cause accidents such as electric shock and fire. Please
hand over to our company for disassembly and repair.
∑ Cautions
O Do not use when abnormal.
Operating under abnormal conditions may cause accidents such as electric
shock or fire.

• In the event of an abnormality, please stop the operation immediately. Cut off the

main power supply and contact our customer service staff.

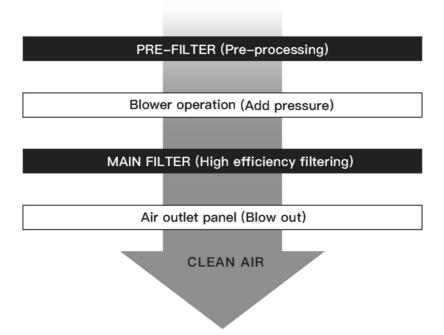
4. Functions and specifications

| 4-1 Specifications

This product has the following functions, please use it as a reference.

- Results of filtering: mini particles of 0.3mm is filtered at 99.99%.
- This device can be widely applied and used.
- This device can be installed horizontally, vertically, in any direction.
- This device can be fixed with double-sided adhesive tape.
- This device is a low noise and low energy consumption device (energy efficient).

| 4-2 Process of air cleaning and filtering



| 4-3 Parts description

a. Pre-Filter

Using nylon non-woven filter, the filtration efficiency of atmospheric dust is about 15%~30% (NBS). The filter can be washed with water, or it can be cleaned and reused with a vacuum cleaner.

b. Blower

This fan features low noise and low vibration. The fan wheel is made of aluminum. The whole blower is an exclusive development of this company.

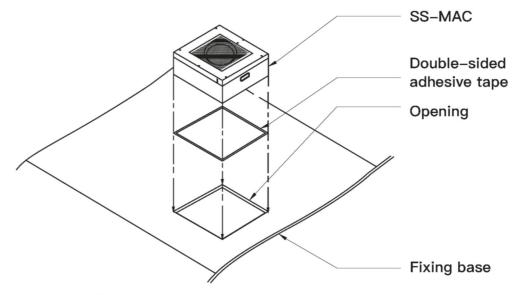
c. FILTER

Using high-efficiency particulate air filter (HEPA), the filtration efficiency reaches 99.99% for dust particles above 0.3um. It can also be used in ultra-high efficiency particulate air filters (ULPA) that can achieve 99.999% filtration efficiency for dust particles above 0.1um.

NOTE: please refer to the detailed specifications of the parts in the drawings.

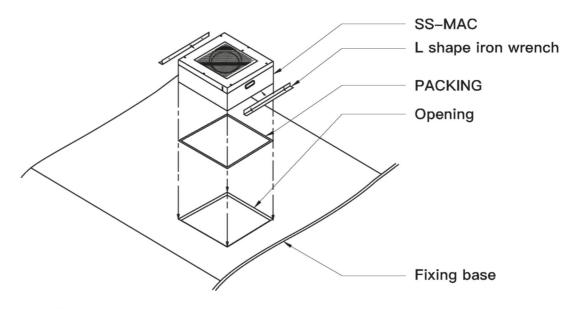
| 5-1 MAC-10/11

Please create a square hole of 180mm for MAC-10/11. Then, please fix it with a double-sided adhesive tape.



| 5-2 MAC-50/51/100/101

- Please create a square hole of 420mm for MAC-50/51.
- Please create a square hole of 570mm for MAC-100/101.
- Use the attached L shape iron and iron plate screws to fix it on the installation surface, and seal it with SILICON for air tightness.



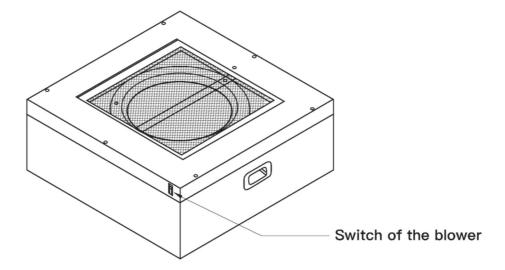
| 5-3 Power supply

 This standard equipment includes plug (with grounded plug). Please follow the power supply shown in the specifications chart to choose the correct plug.

6. Button functions

6-1 Switch of the blower

• In the front of SS-MAC, there is a single switch. This switch is to control the operation or to stop the blower.

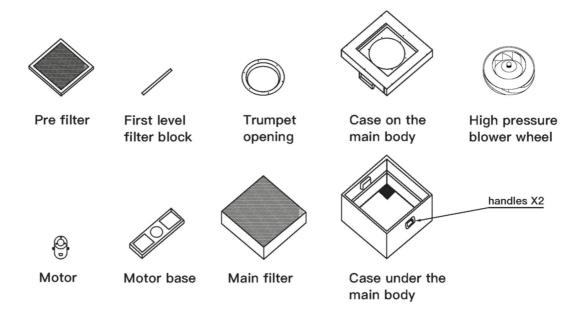


| 7-1 Main filter (HEPA &ULPA Filter)

The more dust accumulates, the wind speed and air volume will decrease. If the
air volume is reduced to 1/2 of the original, it must be replaced.
 Generally, it takes about three and a half months to replace a room (non-clean
room), and it takes about three years for a CLASS 100,000 clean room.

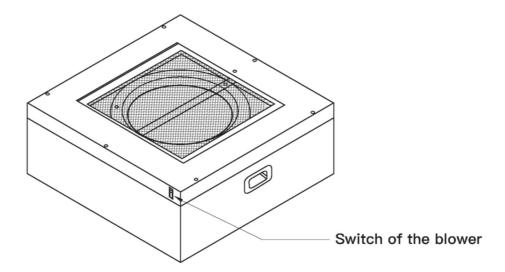
| 7-2 Pre filter

 The pre filter collects a larger quantity of dust, so this filter must be taken out ever 7–15 days. Clean it with water or vacuum cleaner (for Nylon pre–filters only), or replace it with a new one.



8. Simple troubleshooting

 When the current is overloaded, the windmill switch indicator light in the equipment will go out. At this time, the company's customer service personnel need to be notified for repairs.



9. Contact information

If there are any questions to AIRTECH, please contact us through our website, or call the customer service line for professional service for you.

Contact address:

- HsinChu 1st factory: No.58-1, Guangfu Road., Hsinchu Industrial Park, Hsinchu County
- HsinChu 2nd factory: No.84, Guangfu North Road., Hsinchu Industrial Park, Hsinchu County
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