

HY-05 Air Cushion Machine

Operation Manual



Please read the instruction manual carefully before installing and using the product, and keep it properly.

1.0 About Operation Manual

This manual for HY-05 Air Filling Machine

This manual wrote for identify the machine parts location, interpret the system's operation and solve solution for basic malfunction.

Special Symbol's Definition and Suggestion:



"Lightning Flash" Symbol: Not insulated parts inside the machine, touch may cause electric shock.



"High temperature danger" Symbol: remind the operator of high temperature danger and do not touch it



"Hand clamping" Symbol: remind the operator to be careful of hand clamping during machine operation.

2.0 Instructions for safe use

2.1 Please read carefully and understand completely all the information of this manual.

2.1.1 Carefully read and fully understand all the contents of this manual.

2.2 Please confirm the following matters before operate system:

- The authorized dealer or technicians has provided complete training to the operator.
- The operator has read and understood all the safety signs posted on the device.
- Confirm the air filling machine power part--the power source meet the demand of machine, and use with grounding device.

2.2 Warning



Warn: Improper grounding may cause electric shock



Warn: DO NOT open the machine cover. the cover disassemble should done by authorized technicians and technician trained maintenance personnel

⚠ Warn: Be careful of rolled into the machine! when machine start to work like pull the film,inflate the film or sealing, please keep finger, hair, jewelry, and clothes away from the sealing roller.

⚠ Warn: Be careful of scalded, pay attention to the surface of the sealing roller, high temperature sealing line may cause scalded!

2.3 Please confirm the following matters before maintain and repair equipment:

- ◆ Close the system's power source and plug off the power source
- ◆ Important Noted: HY-05 air filling machine only can used for our company's film.if use with the film not provided by our company, we have right terminate the maintenance services immediately and stop supply all the film and relative use material.

⚠ Warn: Except the description of this manual's "Maintenance&Repair", please do not attempt to repair or modify the HY-05 filling machine. repair should be carried out by representatives of our company, authorized distributor or professional maintenance personnel trained by our company.

⚠ Warn: Please do not open the belt cover except for execute the belt replacement of this manual.

2.4 Check the equipment regularly to ensure

- The wires of all parts is not scratched, damaged and broken.
- No debris remains on the belt
- All control parts and display unit is operating normally.

⚠ Warn: Any inconsistent system description to the manual during use,please turn off the system immediately, unplug the power plug and contact our technical service representative.

2.5 Noise

HY-05 --The maxi running noise of air filling machine is 95 decibels, Please confirm if this value available for the standards of local regulations.

2.6 Environmental Conditions

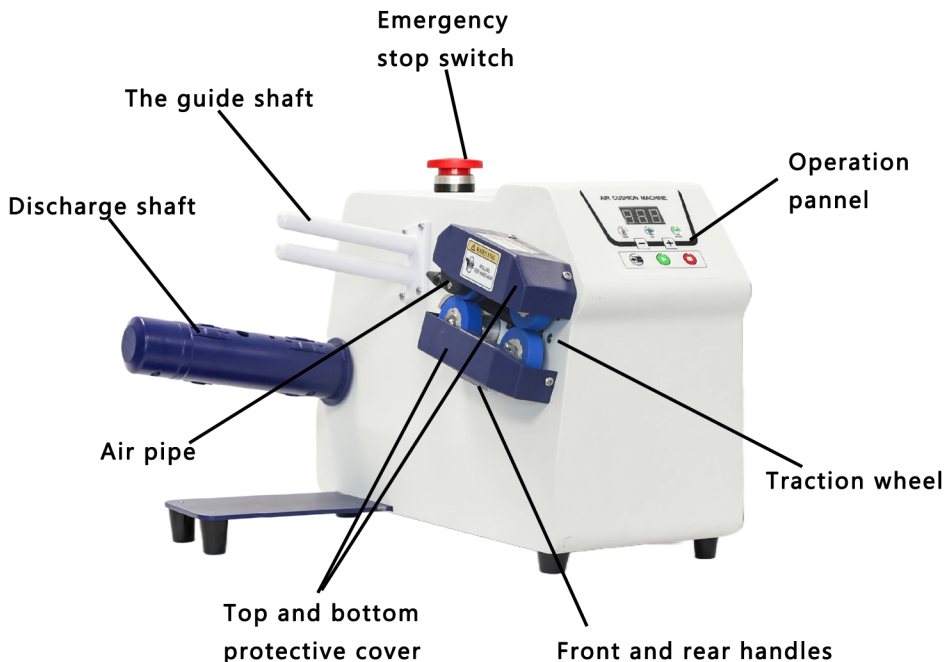
- Storage temperature: Machine:0-43℃; Film: 0-43℃
- Operating temperature: Machine 16-43℃; Film: 16-43℃

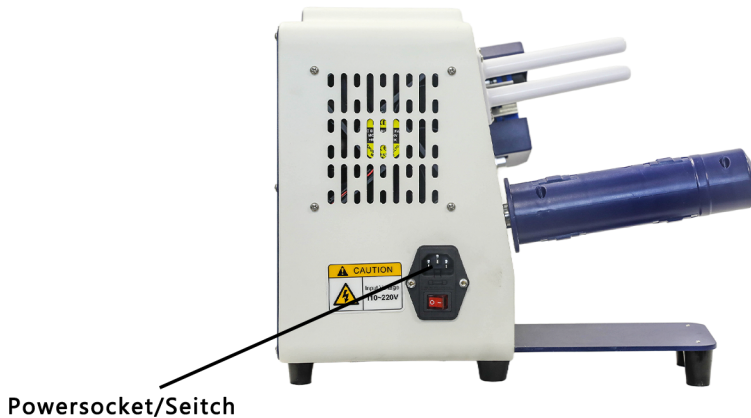
⚠ Warn: The film can only work well(good seal effect) when placed at the above temperatures parameter range, if storage in the environment exceed/below above temperature range, might caused the film broken.

2.7 Potential risks

Even though most of part of HY-05 equipped with belt cover, still some parts not be en covered, please be careful during operation.

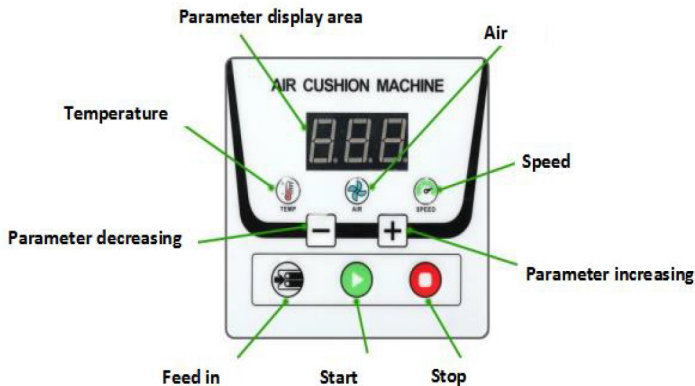
3.0 HY-05 Full Figure





4.0 HY-05

Operation panel view and key function description



5.0 Specification:

5.1 Appearance

Product size: 390*380*350MM (L*W*H)

Net weight: 10KG(L*W*H)

Gross weight: 11KG(L*W*H)

5.2 Electrical performance

Model: HY-05

Input voltage: Compatible with AC110-220V

Rate power: 300W -350W

Rate frequency: 50HZ/60HZ

Heat seal temperature: Level 001-200 adjustable Power connection: Y

Speed: Level 001-100 adjustable (max 18m/min)

Air flow speed: Level 001-100 adjustable Electric Shock Protection Class: I

6.0 Spare parts list:

Name	QTY
Discharge shaft	1
Power cord	1
Allen wrench	3
Machine support	1
warranty card	1
Manual	1
Machine	1

7.0 Installation instructions:

7.1 Installation of discharge shaft (refer to 3.0 appearance structure diagram for installation position)

7.1.1 Remove the discharge shaft from the packaging bag



7.1.2 Turn the screw thread of the discharge shaft clockwise into the screw hole until it cannot be turned.



7.1.3 Tear off the Meiwen sticker, pull out the hex wrench, and install the feeding shaft.



7.2 Machine operation instruction

7.2.1 Insert the power cord into the power socket of the inflator and turn on the power switch. Turn the switch to the "-" position to start the machine.



7.2.2 Install the film onto the feeding shaft (bottom left image), and note that the channel of the film must be on the side of the machine (bottom right image).



7.2.3 First, thread the membrane through the air pipe head.



7.2.4 Use your left hand to pull the film to the right, and press the feed button with your right hand (both hands simultaneously) until the film is pulled flush with the edge of the body or beyond the machine.



7.2.5 After adjusting the parameters according to the type of membrane (refer to 8.0 for recommended parameter settings), press the start button to start inflation



8.0 Recommended parameters:

8.1 Recommended parameters for air pillow roll: If it cannot be sealed, you can try increasing or decreasing the temperature

Recommended parameters for air pillow roll			
Film Thickness	Temperature	Speed	Air
15um	138	100	50
18um	140	100	50
20um	142	100	50
25um	145	100	50

8.2 Recommended parameters for air bubble roll: If it cannot be sealed, you can try increasing or decreasing the temperature

Recommended parameters for air bubble roll			
Film Thickness	Temperature	Speed	Air
15um	138	100	100
18um	140	100	100
20um	142	100	100
25um	145	100	100

Attention:

The above is only the basic parameter recommendation. Different types of films have different parameters, and the ambient temperature is also a variable. There are no fixed standard parameters for the speed, air and temperature, which need to be adjusted and recorded in daily use.

9.0 Common faults and treatment:

Fault Phenomenon	Solution
The film doesn't move forward	1. If air parameter setting is too large, will make the film get stuck, please reduce parameter of air to solve it.
	2. Check whether the blade for rusty or chipping, or loose, if so please replace the blade or tighten the blade set screw.
	3. Check whether there are any debris on the traction wheel and belt, if yes then clean it.
Sealing line is broken(temperature is over high)	Try to reduce the temperature
Air leakage, the film is not sealed properly	Try to increase the temperature
The film came out of the machine	Try to reduce the air or speed
the power switch light is on but the display screen is not on	1. Check if the fuse of the power switch is burnt out. If it is, replace the backup fuse. 2. Check if the emergency stop switch is in the closed state

If the fault cannot be repaired, please contact an authorized dealer or engineer for further processing.

10.0 Attention

10.1 Do not use in a humid environment.

10.2 Please pay attention to the following points before operation:

- If the system is not properly grounded, it may cause electric shock.
- Do not open the protective or access cover. Only authorized manufacturers or authorized dealer service personnel can open.
- Keep your fingers, hair, clothing and jewelry away from the traction wheel when in operation or loading materials, to avoid getting caught.

10.3 Inflatable bags are only used as packaging materials. It is prohibited to use as floating devices, pillows, children's toys, etc.

10.4 This inflator should not be loaded with more than 7KG of materials. It is forbidden to press heavily when loading materials, and forbidden to lean on.

10.5 When the machine is working, static electricity is generated, and the material also has static electricity. Therefore, the operator cannot wear slippers or barefoot, otherwise the human body will become a conductor of static electricity, which will cause the discomfort of being shocked.

10.6 If the machine is used for a long time, and the film fails to run smoothly or gets stuck, please replace the blade in time.

10.7 In the process of using the machine for a long time, if the sealing edge is not firm, or the sealing is damaged, please check whether the temperature is correct and whether the tape is damaged. If there is any damage, please replace it in time.

10.8 Please don't start the machine when no material.

10.9 There is a grounding wire inside the machine, please use a single-phase three-wire power cord. The power grid of the user must have a reliable grounding device, otherwise the static electricity cannot be discharged, and the human body will become a conductor of static electricity discharge, which will cause the discomfort of electric shock.

11.0 Film Choosing&Storage(Air bubble film and air pillow film)

11.1 Please use the film produced by our company, if not, may cause broken bag problems or influence the effect of the packing bag, and even damage the machine.

11.2 The recommended storage temperature for the membrane is 0-43℃. If it's not within this temperature range, may influence the performance of the film.

11.3 The recommended ambient temperature for use is 16-43℃. If it's not within this temperature range, may influence the performance of the film.

12.0 Maintenance & Repair

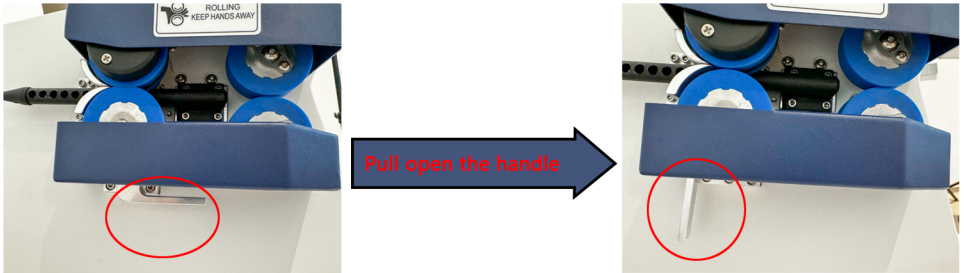
12.1 Preventive maintenance

Before maintain or repair the HY-05, please do remember turn off the machine, and unplug the main power cord from the socket

Maintenance cycle	Project	Description
Monthly	Check& clean	1.Open the machine belt cover and blow out the dust and debris inside; 2.Check the machine parts for abnormal wear; 3. Clean and remove the dirt and dead glue on the wheel and belt.
Yearly	Contact	1.Schedule an on-site inspection; 2.Contact the authorized dealer, or contact the company's technical service representative to check the equipment.

12.2 Removal and installation of air pipe and blades

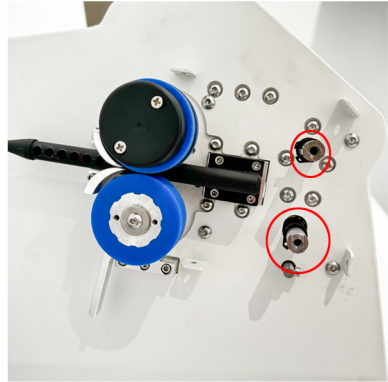
(1) Pull the two handles of the front and rear wheels apart



(2) Use an Allen wrench to remove the four fixing screws of the upper and lower protective covers



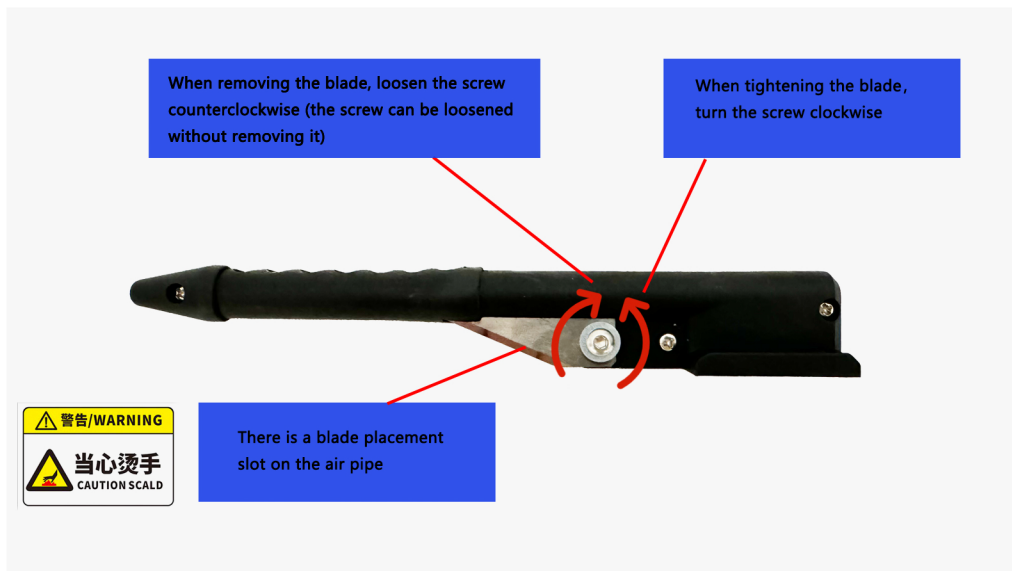
(3) Remove the two fixing screws of the rear wheel (bottom left image) and remove these two wheels (bottom right image)



(4) Remove the four screws that fix the air pipe (bottom left image) and pull out the air pipe to the right (bottom right image)



(5) When tightening the blade, tighten the fixing screw on the air pipe clockwise; When removing the blade, loosen the fixing screw on the air pipe counterclockwise.



(6) After loosening the fixing screws of the blade, remove the damaged blade, and then assemble the new blade according to the diagram above. Pay attention to placing the blade in the groove and ensure that the blade tip is buried in the groove. After replacing the blade, follow the opposite process of dismantling the air pipe and reinstall all accessories.