



User's Manual

Epoxy Suction Machine (Pneumatic)

English



NOTICE

Trademarks

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Explanation

The content of this manual is subject to our explanation.



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1 Button Function



- Power Switch: turns the unit on and off, indicating "ON" position
- Air pressure regulator/gauge: controls and indicates air pressure to the dispense circuit (the handle of regulator should be pulled out to adjust).
- Mode switch: places the dispense circuit in automatic or manual shot mode
- Timer control: adjust the Glue Dispensing Machine's shot of the auto dispense mode
- Vacuum control: adjust the Glue Dispensing Machine's intensity of "suck back" vacuum applied to the dispense circuit
- Dispense outlet: provide a quick connect for dispense air circuit
- Socket of foot-switch: activates the dispense circuit
- Air-in tube: The Glue Dispensing Machine has high-pressured air input
- Dispensing control: four grades for the dispensing cycle time

2 Specifications

Timer (S)	programmable, 0.01-1S, 0.1-10S
Cycle Initiation	Maintained or momentary



Repeat Tolerance	±0.5%
Dimensions (mm)	235*225*63
Weight (kg)	2.2
Input Voltage	220-240V 50Hz AC (110V Optional)
Internal Voltage (VDC)	24
Minimum Deposit (ml)	0.01
Air Input (bar)	2.5-7 (35 ~ 100 psi)
Air Output (bar)	0.1-5.5 (1 ~ 78psi)

3 Dotting Range Regulated

Under the “auto” mode, fully turning the timer knob clockwise, step the foot switch, as:

Drip switch is on at 1: Dispensing time>1s

Drip switch is on at 1, 2: dispensing time>10s

Drip switch is on at 1, 2 and 3: dispensing time>20s

Drip switch is on at full grades: dispensing time>30s

Customer can adjust according to time-being requirements.

4 Internal Air Pressure Regulated

Rotate the Air Pressure Regulator knob to adjust the internal air pressure, until the pressure displayed on the air-pressure meter is between 0.1 ~ 2.7bar (1 ~ 40 psi)

5 Vacuum Control Regulated

On the vacuum control knob, regulated the ending dot in the air revelation, avoid dotting connected with others.



6 Setup

1. Connect the 7 bar dry and filtered air supply to the units air input plug.
2. Put the material and parts in barrel properly, (material height not exceeds the warning line)
3. Insert the power plug, foot switch plug and hose plug into the concerned sockets.
4. Detailed setup procedures please refer to item 11.

7 Operation

1. Turn the unit on and indicator at “on” position light up.
2. Pull the air pressure regulator knob outward and clockwise until the desired air pressure is indicated.
3. The need of switch on the “MAN” or “AUTO” mode, then it’s ready to be operated.

8 Caution

The dispensed material may be toxic and/or hazardous, refer to material manufacturer’s bulletin for proper handling and safety precautions.

1. High pressure air maximal shall not excess 7 bar (100psi), otherwise bad influences will occur. If the work pressure is over 4bar, please use aluminum-alloy connector.
2. All materials are kept on (50c) avoid the density changed more, if not, hard to pass, cannot dotting.
3. The material must be used average normally, when operate.
4. Auto mode operation, the air pressure regulate at 1-2.7 bar (15-40psi) available.
5. Auto mode operation, clean the material of the tip in order to shot easily.
6. In “AUTO” mode, the suck-back air force should be adjusted under air pressure, dispensing cycle and drop size, too stronger air would break the



normal work.

7. On ending works clean the barrel in time, to put the concerned parts in cleaning water for 5-10mins, it is easy to clean.

9 Maintenance

To assure trouble free operation, the following points should be followed:

1. Make certain the air supply is clean and dry.
2. Make certain AC outlet is grounded and with proper voltage rating
3. Avoid turning barrels upside down or laying barrel, so that material may run through air line to internal components.
4. Do not allow barrel assemblies to contact hot or sharp objects.
5. Avoid connecting liquid dispenser to air supply exceeding 7 bar (100pis).
6. Avoid exposing liquid dispenser to excessive moisture or solvent situation.

10 Troubleshooting

Problems	Trouble Shooting
No power	<ol style="list-style-type: none">1. Check wall socket power supply or fuse.2. Unplug from wall, remove top cover, and visually inspect any loose or short.
Power, but no light	Replace power switch
Power/light but not operate	<ol style="list-style-type: none">1. Check the foot switch.2. Open the top cover and check the internal wire connection.3. Pull out the barrel assembly and step the foot switch, and then check if there is air output.4. If no air, please check if the hose is blocked. If air is available, then check electromagnetic valve is effective of not, if not please replace the valve.
Solenoid buzzes	<ol style="list-style-type: none">1. Voltages is low

	<ol style="list-style-type: none"> 2. Air is insufficient 3. Solenoid is not clean
Blowing fuses	<ol style="list-style-type: none"> 1. Check fuse rating. 2. Un-plug power input, remove cover and check internal wiring for short.
Inconsistent dots	<ol style="list-style-type: none"> 1. Check the glue is balanced or not. 2. Check bubbles in the material. 3. Check air gauge for air pressure variation. 4. Check needles tip, barrel, adapter and material for possible clogging.
Dispense okay, but no vacuum in dispense circuit	<ol style="list-style-type: none"> 1. Check vacuum adjustment setting. 2. Check air pressure setting (normally be 1-2.7 bar)

11 Instruction of Installing

1. Prepare the equipment and the accessories.



2. Connect the Air Pipe with the air pipe of the Air Compressor.





3. Connect the other end of the Air Pipe with the Equipment.



4. Connect the Pressboard to the equipment.



5. Plug the power cord to the equipment.



6. Assemble the syringe as follows.



7. Connect the syringe to the green end of the Syringe Pipe and connect the other end of the syringe pipe with the equipment.





8. Complete the installation as the following picture.



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