

I 381V

Vacuum Pick-up

Operation Manual

Thank you for purchasing a Vacuum Pick-up. Please read this manual before operating the unit. Store this manual in a safe, easily accessible place for future reference.

SECTION 7 Replaceable parts

1. Replacing the fuse.

- 1) Pull the power plug out of the power socket.
- 2) Take out the fuse holder on the rear side of the unit by screwdriver.
- 3) Take out the broken fuse, and replace it with a new one.
- 4) Put the fuse holder back in place.

2. Replacing the filtering sponge.

- 1) Take out the suction nozzle, remove the filtering sponge.
- 2) Replace it with a new one.
- 3) Fix up the suction nozzle.

SECTION 1 General Description

The unit is designed for picking up SMD elements, chips, resistors, condensers and other mini components or articles. Easy to operate. With the built-in air pump, it is no need to connect with the outside air system. After power on the winding wire inside, under the ambient magnetic field effect, the vibrating arm begins to vibrate, and the leathern bowl will absorb or emit air, so it can pick up and place the article.

SECTION 2 Specifications

Power consumption	7W
Pump	Diaphragm
Max Suction	280mmHg
Dimension	130(L)×160(W)×110(H)mm
Weight	About 1.55Kg
Suction Pad	6mm 7mm 8mm 10mm (Dia)
Straight Suction Nozzle	0.7mm 1.45mm (Inner Dia)
Bend Suction Nozzle	0.7mm 1.45mm (Inner Dia)


SECTION 3 Feature

- * Easy to pick up SMD elements, flat chip, resistor, condensers, and other mini components or articles.
- * Built in air pump, no need to connect to the air system outside.
- * Controlled by pedal switch, save energy and prolongs its service life.
- * Vacuum suction stepless adjustable, the max powerful suction can reach up to 280mmHG.
- * One suction pen design, the powerful suction can reach up to 120g.

* Made up with eliminating static charge material, more safe to sensitive components.

* Suction nozzles and pad can be used together, and interchangeable.

SECTION 4 Installation

 **CAUTION:** Please check whether the power supply voltage accords with the voltage on the nameplate, before using.

1. Take out the pedal switch, put the two-core metal plug into the two-core metal socket on the rear side of the unit, and tighten the screw with hands, without any tools.
2. Choose a appropriate suction nozzle and suction pad according to the type and weight of picking article.
3. Fix the selective suction nozzle to the pick-up, if necessary, add the suction pad.
4. Insert the plug of power cord into the socket.

SECTION 5 Operation

1. Turn on the power switch and the indicator lamp is light.
2. Hold the pick-up by hand, put the suction nozzle or suction pad above the picking object.
3. Step on the pedal switch, it can produce vacuum suction and pick up object.
4. Move the pick-up at will to any place, and release the pedal switch.
5. If want to adjust the vacuum suction, you can adjust the vacuum knob on the panel. When picking up heavy object, you can use the suction nozzle together with the pad, and different dimension nozzles optional.

Detail cooperating is as follows:

Suction nozzle/Suction pad	Suitable type
Straight suction nozzle (0.7mm)	SMD elements, chips, resistors, condenser and other mini components or articles.
Straight suction nozzle (1.45mm)	Small IC (8~40 pins)
Straight suction nozzle (0.7mm)+ Suction pad (6mm)	IC (14 pins or above)
Straight suction nozzle (0.7mm)+ Suction pad (7mm)	IC (20 pins or above)
Straight suction nozzle (0.7mm)+ Suction pad (8mm)	IC (40pins or above)
Straight suction nozzle (1.45mm)+ Suction pad (8mm)	A little heavy electronic element
Straight suction nozzle (1.45mm)+ Suction pad (10mm)	The powerful suction can reach up to 120g.
Cooperation with pad and suitable type for bend suction nozzle is the same as the straight suction nozzle.	

SECTION 6 Troubleshooting

Please check, when the pick-up can't work normally or the suction become lower.

1. Whether the silica gel connector connects well or not?

Measure: Connect the trachea connector, not to leak the air.

2. Whether the filtering sponge is dirty or not?

Measure: If it's dirty, replace it. If not caused by filtering sponge, maybe the pump is broken.

If it needs maintenance, contact the local agents or send it to our factory.