Vacuum Sucking Pen

P-831

Figure 1. The Photo of Actual P-831

Figure 2. The Photo of Actual Vacuum Pen

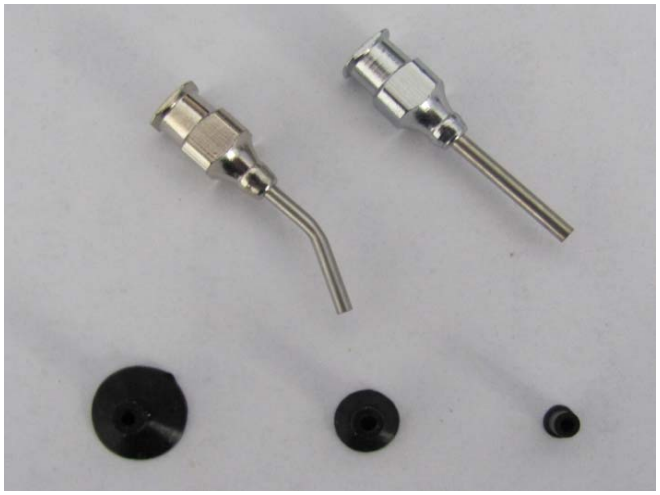

Figure 3. The Photo of Actual Probes and Cups

FEATURES

Low cost

Light weight

Small volume

Strong suction

APPLICATIONS

It's widely used in SMT parts, metal parts, plastic parts or any item having a smooth and nonporous surface that the rubber vacuum tweezer tip can seal against.

DESCRIPTION

P-831 Kit includes 2 probes and 3 cups. The kit includes one bent and one straight probe with 1/8" (3.18mm) diameter vacuum cups, one bent probe with 1/4" (6.35mm) diameter vacuum cup, and one straight probe with 3/8" (9.53mm) diameter vacuum cup. Use the larger cups to pick up larger and heavier parts.

Cup is made of anti-static material and free of silicone. There is no damage and pollution to the product.

It is especially convenient to drain electronic components and small product.

OPERATION

Select a tip with a rubber vacuum cup on a probe that is slightly smaller than the part you want to pick and place. Put the probe snugly on the tip of the P-831 tool. Make sure that there is no dust on the rubber vacuum tip.

Gently squeezing manual operated parts of vacuum pen, place the soft suction cup squarely on the pick and place part, and then relax your squeeze. The part is now firmly gripped.

Move the part to where you need it and a second squeeze of the bulb releases the part.

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SPECIFICATIONS

Table 1.

Part #	Pad Diameter (mm)	Heat Resistant Temp (ºC)	Max. Pick-up Capability (g)
S	3.18	220	1.5
M	6.35	220	6.5
L	9.53	220	15

Table 2.

Length	108mm
Diameter	13.5mm
Weight	9.5g
Heat Resistant Temp	220℃

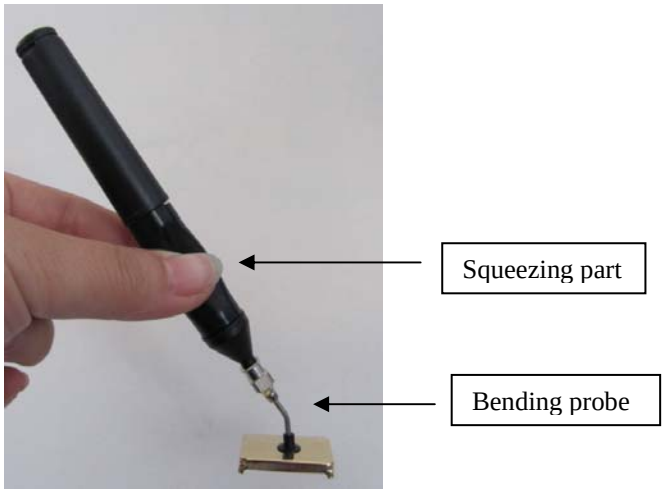
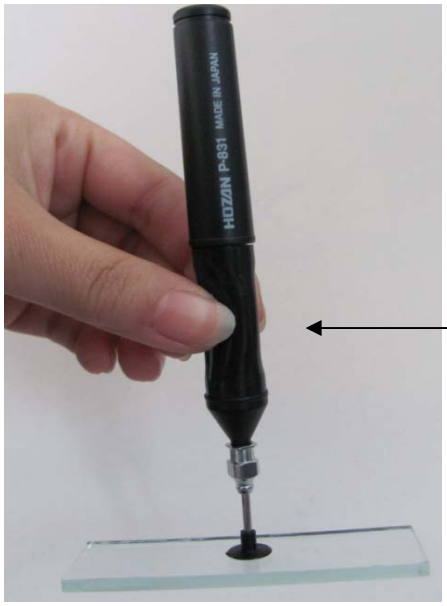


Figure 4. The Photo of Vacuum Pen with Bending Probe

EXPERIMENT



The experimental results: 3/8" (9.53mm) diameter vacuum cup draws a maximum weight of 15 g.

Figure5. Test One

The experimental result: 1/4" (6.35 mm) diameter vacuum cup draws a maximum weight of 6.5 g.

Figure 6. Test Two

The experimental result: 1/8" (3.18mm) diameter vacuum cup draws a maximum weight of 1.5g.

Figure 7. Test Three

ORDERING INFORMATION

Part#	1~3	4~9	10~15	16~20
P-831	$11.8	$9.9	$8.3	$6.9

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