Figure 1. The Photo of Actual HANDI-VAC

Figure 2. The Photo of Actual Antistatic Vacuum Pen

Figure 3. The Photo of Actual Probes

Figure 4. The Photo of Actual Cups

FEATURES

ESD safe

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

HANDI-VAC Kit is a pick and place tool, which is simple to operate. It includes 4 probes and 4 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 HANDI-VAC tool. Make sure that there is no dust on the rubber vacuum tip.

Note: Our larger rubber vacuum cups can be placed directly on the HANDI-VAC tip without using a probe.

Gently squeeze the HANDI-VAC bulb, 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.

SPECIFICATIONS

Table 1.

Part #	Pad dia. (mm)	Heat resistant temp (ºC)	Pick-up capability (g)	ESD management standard (ohm/sq)
V9013	3.18	220	1.4	10^3~10^6
V9025	6.35	220	5.8	10^3~10^6
V9038	9.53	220	13	10^3~10^6

Table 2.

Length	69.85mm
Diameter	12.77mm
ESD management standard (ohm/sq)	10^3~10^6ohm/sq
Weight	3.9g
Heat resistant temp	220

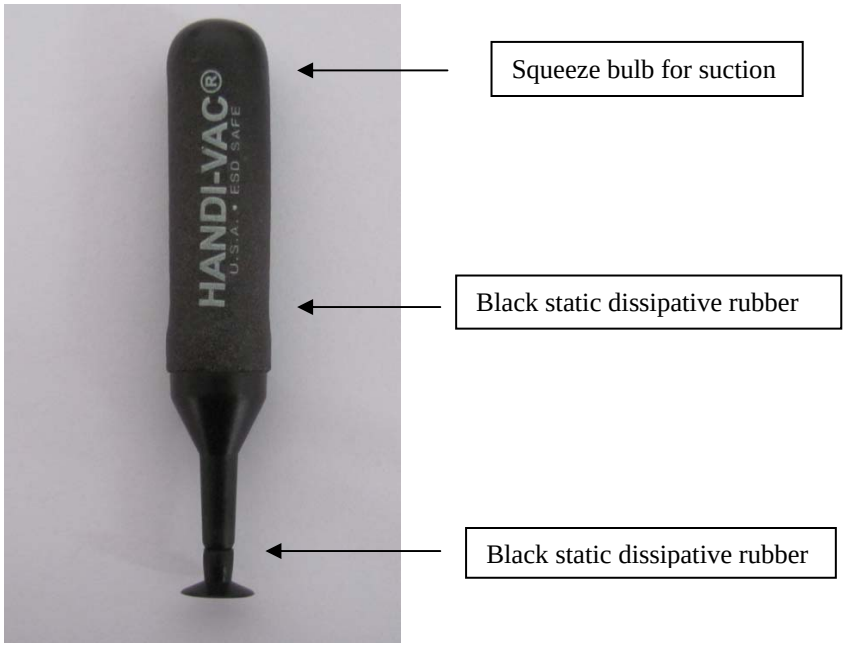
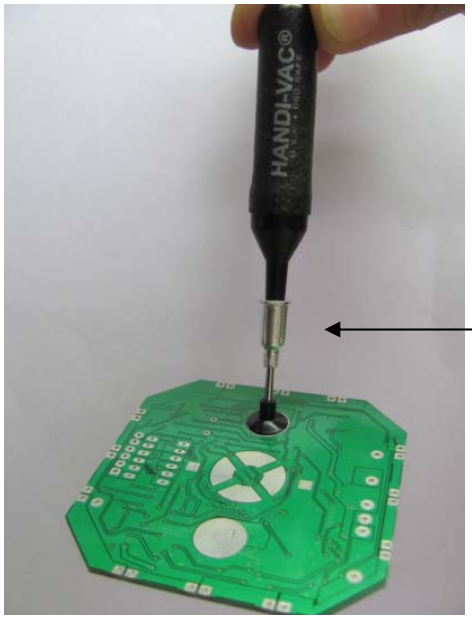


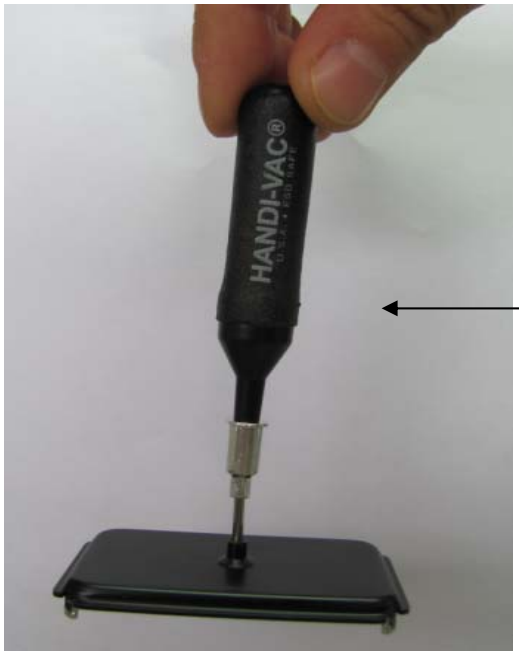
Figure 5. The Photo of Vacuum Pen with Cup

EXPERIMENT



The experimental results: 3/8" (9.53mm) diameter vacuum cup draws a maximum weight of 13 g.

Figure 6. Test One



The experimental result: 1/4" (6.35 mm) diameter vacuum cup draws a maximum weight of 5.8 g.

Figure 7. Test Two

The experimental result: 1/8" (3.18mm) diameter vacuum cup draws a maximum weight of 1.4 g.

Figure 8. Test Three

ORDERING INFORMATION

Part#	1~3	4~9	10~15	16~20
HANDI-VAC	$8.9	$7.4	$6.1	$5.2

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