Specifications

ESD SAFE:
GROUNDED THROUGH THREE WIRE CORD
ELECTRICALLY CONDUCTIVE VACUUM CUPS
STATIC DISSAPATIVE RUBBER HOSE
STATIC DISSAPATIVE PLASTIC NOZZLE

VACUUM:
MINIMUM 15 INCHES OF MERCURY AT SEA LEVEL.

DIMENSIONS:

LENGTH	HEIGHT	WIDTH
2.8" (71mm)	6" (152.4mm)	4" (101.6mm)

WEIGHT:
24 OUNCES (650 GRAMS)

POWER REQUIREMENTS:

MODEL # V8100A	110 VOLTS A.C.	60 HERTZ	8 WATTS
MODEL # V8100A-220	220 VOLTS A.C.	50 HERTZ	8 WATTS

SMD-VAC™-HP OPTIONS

VACUUM INTERRUPTER P/N V3025
Facilitates precision placement of small parts. The hand that holds the wand is used to position and/or rotate the part being placed while the other hand makes or breaks the vacuum.

SELECTION OF VACUUM CUPS WITH PROBES
The vacuum cups are a soft rubber material that allow handling a wide variety of small parts.

SELECTION OF MINIATURE VACUUM TIPS
These tips are designed to handle tiny parts as small as 0.01" (0.25mm).

OPTIONAL FOOT SWITCH P/N VFS-1
Facilitates precision placement of small parts. The hand that holds the wand is used to position and/or rotate the part being placed while the foot switch makes or breaks the vacuum.

OPTIONAL HAND SWITCH P/N VHS-1
Facilitates precision placement of small parts. The hand that holds the wand is used to position and/or rotate the part being placed while the other hand makes or breaks the vacuum.

Virtual Industries, Inc.
2130 Victor Place
Colorado Springs, CO 80915
U.S.A.

For technical assistance call toll free 1-800-590-5504
Tele: 719-572-5566
Fax: 719-572-5504
8:00 A.M. to 4:30 P.M. Mountain Standard Time

VIRTUAL
INDUSTRIES, INC.

SMD-VAC™-HP
ESD Safe Vacuum Handling Tool

Model No. V8100A
Model No. V8100A-220

VIRTUAL
INDUSTRIES, INC.
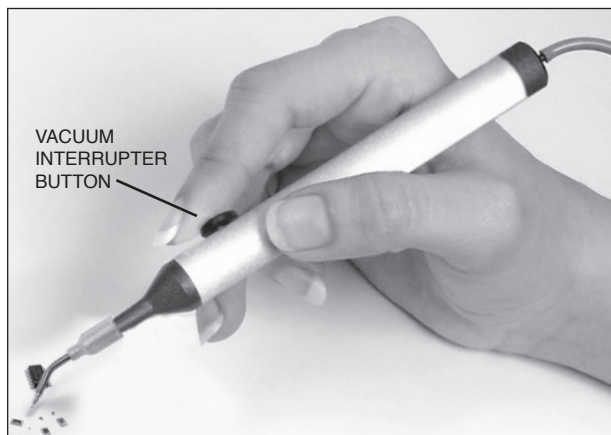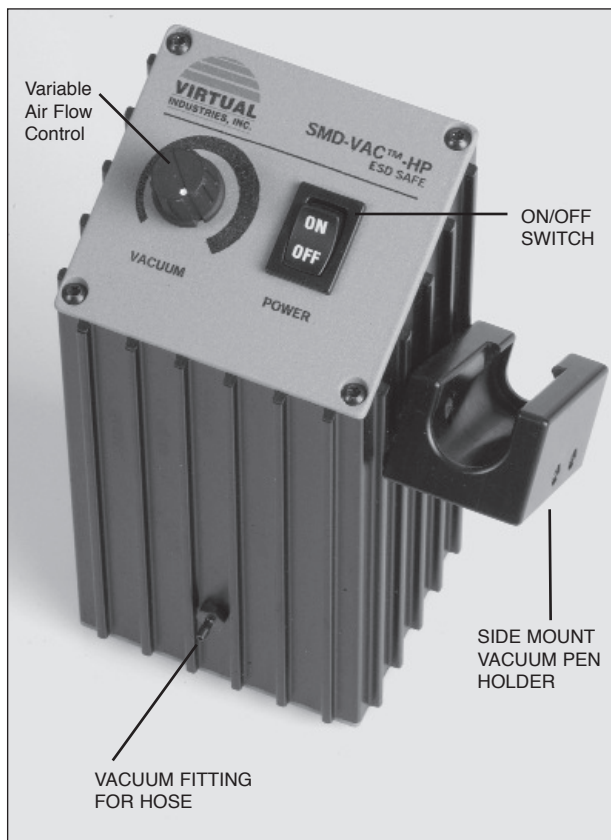
Operation of the SMD-VAC™-HP

1. Connect the small diameter vacuum hose to the vacuum fitting on the front of the SMD-VAC. Make sure the hose is pushed all of the way on. Connect the other end of the vacuum hose to the rear of the vacuum handle, again make sure the hose s pushed all of the way on.

2. Select a probe with a vacuum cup that is slightly smaller in diameter to the outline of the parts that you want to pick and place. Securely install it on the tapered end of the vacuum handle. Selecting a vacuum cup that is too large or too small will result in improper operation.

3. Connect the 3 wire SMD-VAC power cord to input power. Turn the ON/OFF switch to the on position.

4. To pick and place a part:

a. Gently place the vacuum cup on top of the part that you wish to pick up. The part should now be firmly grasped by the vacuum cup.

b. Now move the part to where you want it.

c. To release the part simply depress the button with your finger, the part should now be released.

5. Remember to turn the unit off when you are finished.

Variable Air Flow Control

ON/OFF SWITCH

SIDE MOUNT VACUUM PEN HOLDER

VACUUM FITTING FOR HOSE

VACUUM INTERRUPTER BUTTON

Using the optional foot switch P/N VFS-1

PRECISION PARTS PLACEMENT

1. Connect the small diameter vacuum hose to the vacuum fitting on th front of the SMD-VAC. Make sure the hose is pushed all of the way on. Connect the other end of the vacuum hose to the rear of the vacuum handle that has NO control hole (V3021 or V3121-RF), again make sure the hose is pushed all of the way on.

2. Plug the foot switch connector into the jack on the rear of the SMD-VAC-HP that is labeled as EXTERNAL SWITCH.

3. Select a probe with a vacuum cup that is slightly smaller in diameter to the outline of the parts that you want to pick and place. Securely install it on the tapered end of the vacuum handle. Selecting a vacuum cup that is too large or too small will result in improper operation.

4. Connect the SMD-VAC to input power. Turn the ON/OFF switch to the on position. Adjust the flow control for your particular operation.

4. To pick and place a part:

a. Gently place the vacuum cup on top of the part that you wish to pick up. The part should now be firmly grasped by the vacuum cup.

b. Now move the part to where you want it.

c. Depress the foot switch, the part should now be released.

5. Remember to turn the unit off when you are finished.

VACUUM PEN

FOOT SWITCH