

## Specifications

### KIT:

WAFFER-VAC WV-9000  
5 FEET OF 2.5MM CLEAR COILED ESD SAFE VACUUM HOSE  
PUSH-BUTTON WAFFER TIP PEN VWP-500-2.5MM  
ONE MOLDED WAFFER TIP

Hose color may vary. Vacuum hoses are available in straight or coiled custom lengths, please contact Virtual Industries to order (719) 572-5566. There are no returns or refunds on custom lengths.

### VACUUM:

UP TO 10 INCHES OF MERCURY AT SEA LEVEL.

### DIMENSIONS:

LENGTH	HEIGHT	WIDTH
7.25" (185mm)	2.5" (64mm)	3" (76mm)

### WEIGHT:

1.7 LBS. (775 GRAMS)

### POWER REQUIREMENTS:

MODEL #WV-9000 110 VOLTS A.C. 50/60 HERTZ 4 WATTS  
MODEL #WV-9000-220 220 VOLTS A.C. 50/60 HERTZ 4 WATTS



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8:00 A.M. to 4:30 P.M. Mountain Standard Time



8/10/22

## OPERATING INSTRUCTIONS AND SPECIFICATIONS

### WAFFER-VAC™ WV-9000 Vacuum Tweezer - ESD Safe

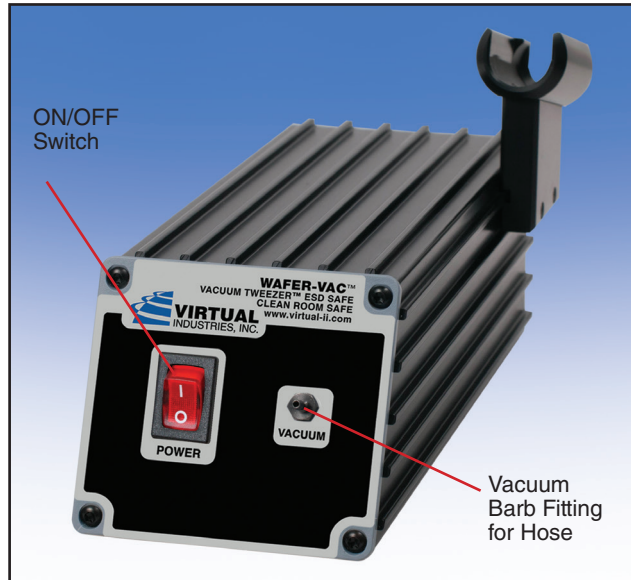
Model No. WV-9000  
Model No. WV-9000-220





## Operation of the WAFER-VAC™ WV-9000

1. Connect the small diameter vacuum hose to the vacuum fitting on the front of the WV-9000. Make sure the hose is pushed all the way on. Connect the other end of the vacuum hose to the rear of the vacuum handle, again make sure the hoses pushed all the way on.

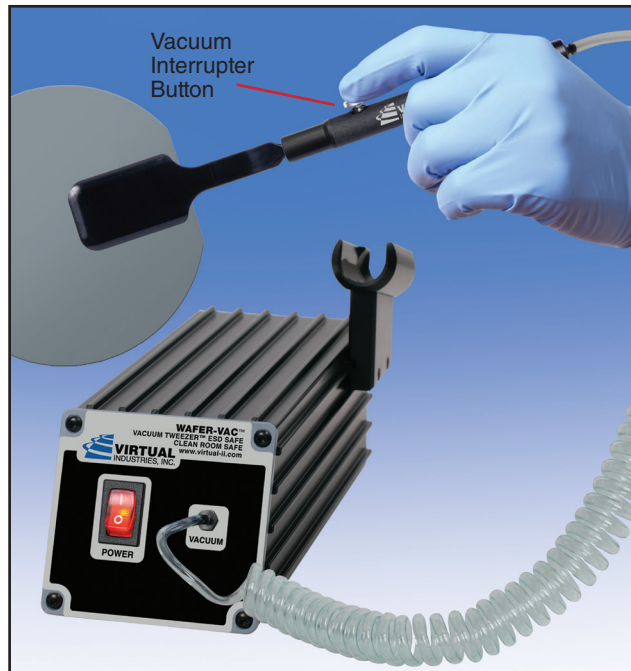


2. Select a wafer tip that is smaller in diameter to the outline of the substrate that you want to pick and place. Securely install it on the press-fit end of the vacuum handle. Selecting a vacuum tip that is too large or too small will result in improper operation.

3. Connect the 3 wire WV-9000 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 wafer tip on top of the part that you wish to pick up. The part should now be firmly grasped by the wafer tip.
- b. Now move the part to where you want it.
- c. To release the part simply depress the vacuum interrupter button with your finger, the part should now be released.



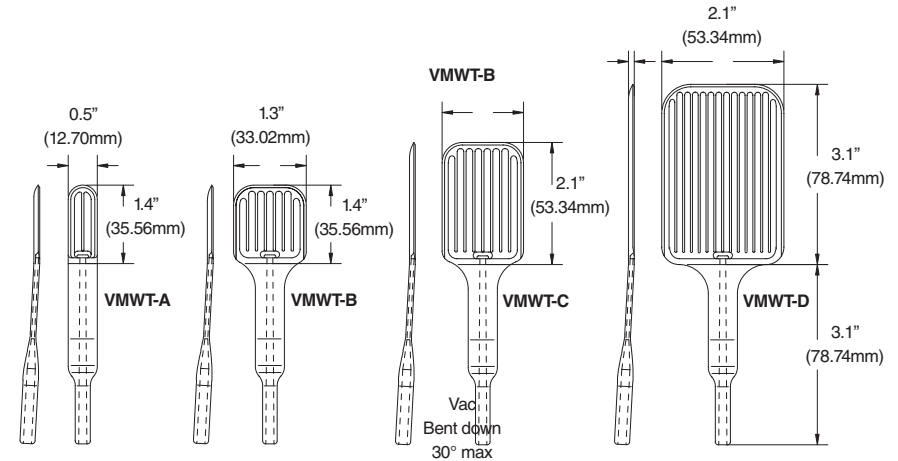
5. Remember to turn the unit off when you are finished.

## WAFER-VAC™ WV-9000 Options

### Molded Peek Wafer Tips

These Wafer Tips are molded from ESD safe PEEK plastic to handle wafers up to 100°C. The low profile of the wafer tip head provides easy access to wafers in industry standard boats. These tips attach to all of our wafer handling tools as well as competitive systems.

- VMWT-A** Recommended for handling up to 4" (100mm) wafers  
**VMWT-B** Recommended for handling up to 6" (150mm) wafers  
**VMWT-C** Recommended for handling up to 8" (200mm) wafers  
**VMWT-D** Recommended for handling larger sized wafers, (no left/right angles available)



Molded Wafer Tips VMWT-A, VMWT-B and VMWT-C are available with a 10°, 20° or 30° bend in the up or down direction as shown in the left drawing above. To order a tip with the up or down bend, add the angle plus a "U" for up or a "D" for down to the part number. **EXAMPLE:** Part number VMWT-A20D is a VMWT-A Wafer Tip with a 20 degree bend in the down direction. Custom angles are available upon request. Pricing is as above.

