

## Tweezer Vacuum System

### Specifications

Two wire cord  
Electrically conductive vacuum cups  
Static dissipative rubber hose  
Static dissipative plastic nozzle  
Vacuum: 6-10 inches of mercury at sea level  
Dimensions (L x H x W): 4.25" x 2.38" x 2.5" (108mm x 60mm x 64mm)  
Weight: 1.24 lbs (463 grams)  
Power requirements: 110 Volts A.C. 50/60 Hz, 8 Watts

### How to Use

1. Connect the vacuum hose to the vacuum fitting on the front of the TV-100-PB. 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, make sure the hose is pushed all 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 TV-100-PB power cord to input power. Turn the power cord 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, place your finger over the control hole. 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 remove your finger off the control hole, the part should now be released.
5. Remember to turn the unit off when you are finished.

### Applications

Pick-and-place of metal, plastic, or any parts having a smooth non-porous top surface area that the rubber vacuum cup can seal against. For larger parts, use the larger vacuum cup.