

## Specifications

### ESD SAFE:

GROUNDING THROUGH THREE WIRE CORD  
ELECTRICALLY CONDUCTIVE VACUUM CUPS  
STATIC DISSIPATIVE RUBBER HOSE  
STATIC DISSIPATIVE PLASTIC NOZZLE

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 6 INCHES OF MERCURY AT SEA LEVEL.

### DIMENSIONS:

LENGTH	HEIGHT	WIDTH
8" (203mm)	3" (760mm)	3.5" (89mm)

### WEIGHT:

2.92 LBS. (1090 grams)

### POWER REQUIREMENTS:

Model #DTV-2000	110 VOLTS A.C.	50/60 HERTZ	4 WATTS
Model #DTV-2000-220	220 VOLTS A.C.	50/60 HERTZ	4 WATTS

### DTV-2000 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 by covering or uncovering the control hole on the interrupter block.

#### 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 .010" (0.25mm).

#### OPTIONAL SLIM VACUUM HANDLE P/N V3120

Slim Vacuum Handle is 3/8" (9.5mm) in diameter rather than the standard 1/2" (12.7mm) diameter.



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



8/10/22

## OPERATING INSTRUCTIONS AND SPECIFICATIONS

### TWEEZER-VAC™ DUAL VACUUM SYSTEM DTV-2000 ESD Safe

Model No. DTV-2000  
Model No. DTV-2000-220



## Operation of the DTV-2000

1. For use by one or two operators. Can be used with two different size vacuum tips at the same time. Features two vacuum fittings.

Connect the vacuum hose to one of the two vacuum fittings on the front of the DTV-2000. 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, make sure the hose is pushed all the way on.

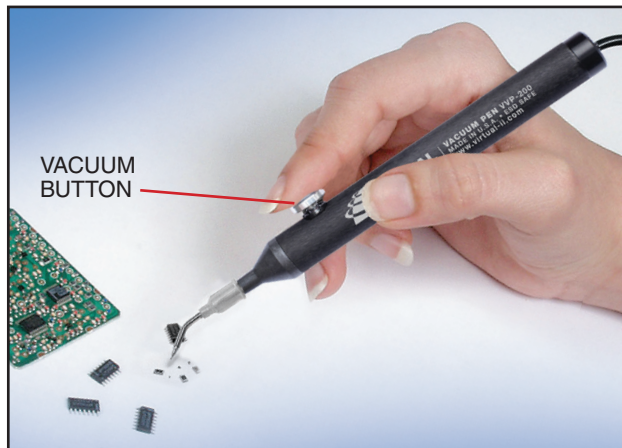
2. Select a probe with a vacuum cup that is slightly smaller in diameter to the outline of the parts that you want to pick and place. Securely install it on the tapered end of the vacuum handle. Selecting a vacuum cup that is too large or too small will result in improper operation.

Connect the 3 wire DTV-2000 power cord to input power. Turn the ON/OFF switch to the ON position.

4. To pick and place a part:

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



## Using the optional Interrupter P/N V3025

### PRECISION PARTS PLACEMENT

1. Connect the small diameter vacuum hose to one of the two vacuum fittings on the front of the DTV-2000. Make sure the hose is pushed all the way on. Connect the other end of the vacuum hose to one side of the vacuum interrupter block. Connect another length of vacuum hose in between the other side of the vacuum interrupter block and the rear of the vacuum handle that has NO control hole (V3021 or optional V3121), 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 3 wire DTV-2000 power cord to input power. Turn the ON/OFF switch to the ON position.

4. To pick and place a part:

- 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.
- Now move the part to where you want to place it.
- To release the part simply depress the button on the interrupter block with your finger, the part should now be released.

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

