

TV-1000 TWEEZER-VAC® Vacuum Tweezer Kits

A general purpose vacuum handling tool that plugs directly into your line voltage, Volt 50/60 Hz. This compact unit will handle a wide variety of parts used in industry today. The long-life diaphragm vacuum pump generates up to 10 inches of mercury with an open air flow of 2.3 lpm. The unit connects to ground automatically with a three-wire power cord. Optional tips that can be used include our small part tips, rigid delrin tips and our multiple cup tips. Kits are available in 110 or 220 volt operation.

This ESD-SAFE kit features:

- Dimensions 7-1/4" X 3" X 2-1/2" (185mm X 76mm X 64mm).
- Long-life pump.
- Lighted On/Off switch.
- Side mounted handle holder.
- Rubber no-skid feet.
- Whisper-quiet operation.
- Class 100 Cleanroom Safe



技术咨询与报价
电话: 18823303057 QQ:2104028976

TV-1000 TWEEZER-VAC® ESD-SAFE Kit With Buna-N Static Dissipative Non-Marking Vacuum Cups With Probes

This kit includes:

- COILED-VACUUM-HOSE-5 (VCH-1/16-5)
- PUSH-BUTTON-VACUUM-PEN (VVP-200-1/16)
- VACUUM-CUP-KIT-9 (VCS-9-B)
- 3 WIRE POWER CORD 第3页 (2.38mm~12.7mm)

TV-1000-110

TV-1000-220



TV-1000 TWEEZER-VAC® Kit With ESD-SAFE Delrin Small Parts Tips

This kit includes:

- COILED-VACUUM-HOSE-5 (VCH-1/16-5)
- PUSH-BUTTON-VACUUM-PEN (VVP-200-1/16)
- VACUUM-CUP-KIT-9 (VCS-9-B)
- ESD-SAFE DELRIN SMALL PARTS TIPS (VSPT-TIPS-8-BD) 第2页 (0.13mm~1.5mm)
- 16 POSITION TIP ORGANIZER/HOLDER (VTH-16)
- 3 WIRE POWER CORD

TV-1000-SP8-BD-110

TV-1000-SP8-BD-220



POPULAR Accessories

Deluxe Small Parts Kit 8 Bent Delrin Tips For Handling Micro Parts - With Tips Holder

This kit contains eight bent ESD-SAFE delrin small parts tips in sizes 0.010" (0.25mm), 0.020" (0.51mm), 0.025" (0.64mm), 0.030" (0.76mm), 0.040" (1.02mm), 0.060" (1.52mm), 0.070" (1.78mm) and 0.080" (2.00mm).

NOTE: Must be used with a continuous vacuum source. **NOTE:** See page 8 for other small part tips material.

VSPT-KIT-8-BD



Deluxe Small Parts Kit 8 Bent And 8 Straight Delrin Tips For Handling Micro Parts - With Tips Holder

This kit contains eight bent and eight straight ESD-SAFE delrin small parts tips in sizes 0.010" (0.25mm), 0.020" (0.51mm), 0.025" (0.64mm), 0.030" (0.76mm), 0.040" (1.02mm), 0.060" (1.52mm), 0.070" (1.78mm) and 0.080" (2.00mm).

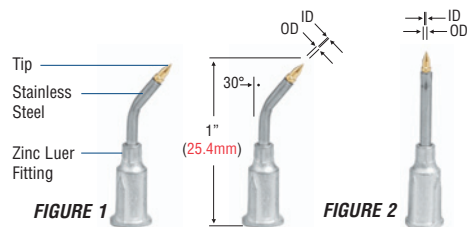
NOTE: Must be used with a continuous vacuum source. **NOTE:** See page 8 for other small part tips material.

VSPT-KIT-16-D



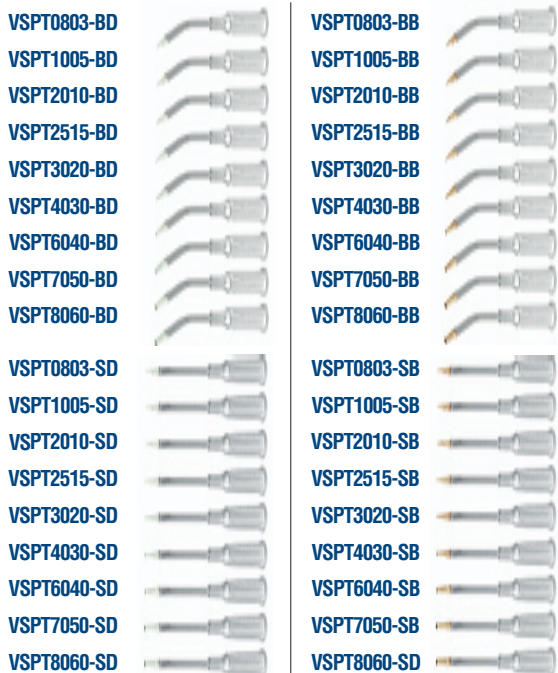
Probes With Static Dissipative Non-Marking ESD-SAFE Delrin Or Gold Plated Brass Small Parts Tips

These tips are designed for handling very tiny parts. Tips are available in ESD-SAFE Delrin plastic so there is no chance of static or mechanical damage, temperature up to 212°F (100°C). Or Gold Plated Brass for general handling applications, temperatures up to 500°F (260°C). **NOTE:** This product requires a continuous vacuum source.



ESD-SAFE Delrin

Gold Plated Brass



Bent	0.008" (0.203mm) OD x 0.003" (0.076mm) ID
Bent	0.010" (0.254mm) OD x 0.005" (0.127mm) ID
Bent	0.020" (0.508mm) OD x 0.010" (0.254mm) ID
Bent	0.025" (0.635mm) OD x 0.015" (0.381mm) ID
Bent	0.030" (0.762mm) OD x 0.020" (0.508mm) ID
Bent	0.040" (1.016mm) OD x 0.030" (0.762mm) ID
Bent	0.060" (1.524mm) OD x 0.040" (1.016mm) ID
Bent	0.070" (1.778mm) OD x 0.050" (1.27mm) ID
Bent	0.080" (2.032mm) OD x 0.060" (1.524mm) ID
Straight	0.008" (0.203mm) OD x 0.003" (0.076mm) ID
Straight	0.010" (0.254mm) OD x 0.005" (0.127mm) ID
Straight	0.020" (0.51mm) OD x 0.010" (0.25mm) ID
Straight	0.025" (0.64mm) OD x 0.015" (0.38mm) ID
Straight	0.030" (0.76mm) OD x 0.020" (0.51mm) ID
Straight	0.040" (1.02mm) OD x 0.030" (0.76mm) ID
Straight	0.060" (1.52mm) OD x 0.040" (1.02mm) ID
Straight	0.070" (1.78mm) OD x 0.050" (1.27mm) ID
Straight	0.080" (2.00mm) OD x 0.060" (1.52mm) ID

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Vacuum Tips Holder With 16 or 8 Locations

Table top luer slip vacuum tips holder with non-slip rubber feet. Posts will accommodate 16 or 8 of our luer slip vacuum tips. Vacuum tips not included.

VTH-16



VTH-8



Small Parts Tips Specifications

Material	Static Dissipative Delrin		Gold Plated Brass		Recommended for handling parts larger than the tip ID size up to size of:
ESD Properties	10 ⁹ - 10 ¹¹ ohms		Less than 1ohm		
Operating Temp	212 ^o F (100 ^o C)		500 ^o F (260 ^o C)		
PART #	OD	ID	OD	ID	INCHES (MM)
VSPT0803 -*#	0.008" (0.203mm)	0.003" (0.076mm)	N/A	N/A	0.015" X 0.015" X 0.015" (0.38mm X 0.38mm X 0.38mm)
VSPT1005 -*#	0.010" (0.254mm)	0.005" (0.127mm)	0.010" (0.254mm)	0.005" (0.127mm)	0.03" X 0.03" X 0.03" (0.76mm X 0.76mm X 0.76mm)
VSPT2010 -*#	0.020" (0.508mm)	0.010" (0.254mm)	0.020" (0.508mm)	0.010" (0.254mm)	0.06" X 0.06" X 0.06" (1.52mm X 1.52mm X 1.52mm)
VSPT2515 -*#	0.025" (0.635mm)	0.015" (0.381mm)	0.025" (0.635mm)	0.015" (0.381mm)	0.07" X 0.07" X 0.07" (1.78mm X 1.78mm X 1.78mm)
VSPT3020 -*#	0.030" (0.762mm)	0.020" (0.508mm)	0.030" (0.762mm)	0.020" (0.508mm)	0.90" X 0.90" X 0.90" (2.29mm X 2.29mm X 2.29mm)
VSPT4030 -*#	0.040" (1.016mm)	0.030" (0.762mm)	0.040" (1.016mm)	0.030" (0.762mm)	0.12" X 0.12" X 0.12" (3.05mm X 3.05mm X 3.05mm)
VSPT6040 -*#	0.060" (1.524mm)	0.040" (1.016mm)	0.060" (1.524mm)	0.040" (1.016mm)	0.18" X 0.18" X 0.18" (4.57mm X 4.57mm X 4.57mm)
VSPT7050 -*#	0.070" (1.778mm)	0.050" (1.27mm)	0.070" (1.778mm)	0.050" (1.27mm)	0.21" X 0.21" X 0.21" (5.33mm X 5.33mm X 5.33mm)
VSPT8060 -*#	0.080" (2.032mm)	0.060" (1.524mm)	0.080" (2.032mm)	0.060" (1.524mm)	0.24" X 0.24" X 0.24" (6.10mm X 6.10mm X 6.10mm)

* = dash "B" specifies an angled probe, FIGURE 1 (at top). dash "S" specifies a straight probe, FIGURE 2 (at top). # = dash "D" selects the delrin plastic material. dash "B" selects the gold plated brass material.

ORDERING EXAMPLE: Part number "VSPT2010-B-D" selects a small part angled tip as in FIGURE 1 with an OD of 0.020" (0.508mm), an ID of 0.010" (0.254mm) and the Static Dissipative Delrin material.

NOTE: These tips are to be used with continuous source vacuum handling tools. These tips will not work with self-contained tools such as the PEN-VAC® tool.

Replacement Vacuum Tip Kit - Includes 9 Probes With Vacuum Cups

This kit contains five bent probes with 3/32" (2.38mm), 1/8" (3.18mm), 3/16" (4.76mm), 1/4" (6.35mm), and 3/8" (9.53mm), as well as four straight probes with 1/8" (3.18mm), 1/4" (6.35mm), 3/8" (9.53mm) and 1/2" (12.70mm).

VCS-9-B (Buna-N Static Dissipative Non-Marking Vacuum Cups With Probes)



VCS-9-ESD (High-Temp Conductive Silicone Vacuum Cups With Probes)



VCS-9-PUR (Blue, PUREACLEAN™ Non ESD-SAFE, Non-Marking Vacuum Cups With Probes)



BUNA-N STATIC DISSIPATIVE NON-MARKING Vacuum Cups

Buna-N Static Dissipative Non-Marking Black Vacuum Cups

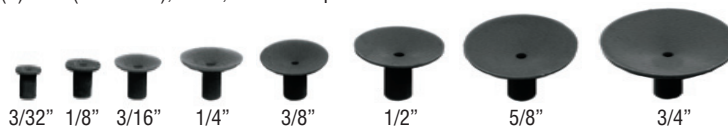
Black, static dissipative Buna-N. Operating temperature limits -5°F + 250°F (-20°C + 120°C).

- V9009-B** 3/32" (2.38mm) diameter vacuum cup
- V9013-B** 1/8" (3.18mm) diameter vacuum cup
- V9018-B** 3/16" (4.76mm) diameter vacuum cup
- V9025-B** 1/4" (6.35mm) diameter vacuum cup
- V9038-B** 3/8" (9.53mm) diameter vacuum cup
- V9050-B** 1/2" (12.70mm) diameter vacuum cup
- V9062-B** 5/8" (15.88mm) diameter vacuum cup
- V9075-B** 3/4" (19.05mm) diameter vacuum cup
- V9100-B** 1" (25.4mm) diameter vacuum cup

Kit of 8 Buna-N Static Dissipative Non-Marking Black Vacuum Cups

Kit of (8) vacuum cups (1) 3/32" (2.38mm), (1) 1/8" (3.18mm), (1) 3/16" (4.76mm), (1) 1/4" (6.35mm), (1) 3/8" (9.53mm), (1) 1/2" (12.70mm), (1) 5/8" (15.88mm) and (1) 3/4" (19.05mm), black, static dissipative Buna-N.

V9000K8-B



ESD-SAFE HIGH-TEMP CONDUCTIVE SILICONE Vacuum Cups

ESD-SAFE High-Temp Conductive Silicone Black Vacuum Cups

ESD-SAFE High-Temp conductive silicone. Operating temperature limits (-65°F + 445°F) (-55°C + 230°C) 10⁴ to 10⁶ OHMS.

- V9009-ESD** 3/32" (2.38mm) diameter vacuum cup
- V9013-ESD** 1/8" (3.18mm) diameter vacuum cup
- V9018-ESD** 3/16" (4.76mm) diameter vacuum cup
- V9025-ESD** 1/4" (6.35mm) diameter vacuum cup
- V9038-ESD** 3/8" (9.53mm) diameter vacuum cup
- V9050-ESD** 1/2" (12.70mm) diameter vacuum cup
- V9062-ESD** 5/8" (15.88mm) diameter vacuum cup
- V9075-ESD** 3/4" (19.05mm) diameter vacuum cup
- V9100-ESD** 1" (25.4mm) diameter vacuum cup

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Kit of 8 ESD-SAFE High-Temp Conductive Silicone Black Vacuum Cups

Kit of (8) vacuum cups (1) 3/32" (2.38mm), (1) 1/8" (3.18mm), (1) 3/16" (4.76mm), (1) 1/4" (6.35mm), (1) 3/8" (9.53mm), (1) 1/2" (12.70mm), (1) 5/8" (15.88mm) and (1) 3/4" (19.05mm), black, static dissipative Buna-N.

V9000K8-ESD



25 Pack of Replacement ESD-SAFE High-Temp Conductive Silicone Black Vacuum Cups

- V9009-ESD-25PK** 3/32" (2.38mm) diameter vacuum cups
- V9013-ESD-25PK** 1/8" (3.18mm) diameter vacuum cups
- V9018-ESD-25PK** 3/16" (4.76mm) diameter vacuum cups
- V9025-ESD-25PK** 1/4" (6.35mm) diameter vacuum cups
- V9038-ESD-25PK** 3/8" (9.53mm) diameter vacuum cups
- V9050-ESD-25PK** 1/2" (12.70mm) diameter vacuum cups
- V9062-ESD-25PK** 5/8" (15.88mm) diameter vacuum cups
- V9075-ESD-25PK** 3/4" (19.05mm) diameter vacuum cups
- V9100-ESD-25PK** 1" (25.4mm) diameter vacuum cups



ESD-SAFE VACUUM CUPS