VACUUM PROBES & CUPS

ESD-Safe and
NON-ESD-Safe

Straight 1/2" (12.7mm) Metal Probe With Buna-N Static Dissipative non-marking Black Vacuum Cup

V8903-D-S	Straight 1/2" (12.7mm) probe with 3/32" (2.38mm) vacuum cup	BUY IT NOW
V8903-S-S	Straight 1/2" (12.7mm) probe with 1/8" (3.18mm) vacuum cup	BUY IT NOW
V8903-P-S	Straight 1/2" (12.7mm) probe with 3/16" (4.76mm) vacuum cup	BUY IT NOW
V8903-M-S	Straight 1/2" (12.7mm) probe with 1/4" (6.35mm) vacuum cup	BUY IT NOW
V8903-L-S	Straight 1/2" (12.7mm) probe with 3/8" (9.53mm) vacuum cup	BUY IT NOW
V8903-H-S	Straight 1/2" (12.7mm) probe with 1/2" (12.7mm) vacuum cup	BUY IT NOW
V8903-J-S	Straight 1/2" (12.7mm) probe with 5/8" (15.88mm) vacuum cup	BUY IT NOW
V8903-K-S	Straight 1/2" (12.7mm) probe with 3/4" (19.05mm) vacuum cup	BUY IT NOW

Bent 1/2" (12.7mm) Metal Probe With Buna-N Static Dissipative non-marking Black Vacuum Cup

V8903-D-B	Bent 1/2" (12.7mm) probe with 3/32" (2.38mm) vacuum cup	BUY IT NOW
V8903-S-B	Bent 1/2" (12.7mm) probe with 1/8" (3.18mm) vacuum cup	BUY IT NOW
V8903-P-B	Bent 1/2" (12.7mm) probe with 3/16" (4.76mm) vacuum cup	BUY IT NOW
V8903-M-B	Bent 1/2" (12.7mm) probe with 1/4" (6.35mm) vacuum cup	BUY IT NOW
V8903-L-B	Bent 1/2" (12.7mm) probe with 3/8" (9.53mm) vacuum cup	BUY IT NOW
V8903-H-B	Bent 1/2" (12.7mm) probe with 1/2" (12.7mm) vacuum cup	BUY IT NOW
V8903-J-B	Bent 1/2" (12.7mm) probe with 5/8" (15.88mm) vacuum cup	BUY IT NOW
V8903-K-B	Bent 1/2" (12.7mm) probe with 3/4" (19.05mm) vacuum cup	BUY IT NOW

Straight 1/2" (12.7mm) Metal Probe With ESD-Safe High-temperature Conductive Silicone Black Vacuum Cup

V8904-S-S	Straight 1/2" (12.7mm) probe with 1/8" (3.18mm) vacuum cup	BUY IT NOW
V8904-P-S	Straight 1/2" (12.7mm) probe with 3/16" (4.76mm) vacuum cup	BUY IT NOW
V8904-M-S	Straight 1/2" (12.7mm) probe with 1/4" (6.35mm) vacuum cup	BUY IT NOW
V8904-L-S	Straight 1/2" (12.7mm) probe with 3/8" (9.53mm) vacuum cup	BUY IT NOW
V8904-H-S	Straight 1/2" (12.7mm) probe with 1/2" (12.7mm) vacuum cup	BUY IT NOW
V8904-J-S	Straight 1/2" (12.7mm) probe with 5/8" (15.88mm) vacuum cup	BUY IT NOW
V8904-K-S	Straight 1/2" (12.7mm) probe with 3/4" (19.05mm) vacuum cup	BUY IT NOW

Bent 1/2" (12.7mm) Metal Probe With ESD-Safe High-temperature Conductive Silicone Black Vacuum Cup

V8904-S-B	Bent 1/2" (12.7mm) probe with 1/8" (3.18mm) vacuum cup	BUY IT NOW
V8904-P-B	Bent 1/2" (12.7mm) probe with 3/16" (4.76mm) vacuum cup	BUY IT NOW
V8904-M-B	Bent 1/2" (12.7mm) probe with 1/4" (6.35mm) vacuum cup	BUY IT NOW
V8904-L-B	Bent 1/2" (12.7mm) probe with 3/8" (9.53mm) vacuum cup	BUY IT NOW
V8904-H-B	Bent 1/2" (12.7mm) probe with 1/2" (12.7mm) vacuum cup	BUY IT NOW
V8904-J-B	Bent 1/2" (12.7mm) probe with 5/8" (15.88mm) vacuum cup	BUY IT NOW
V8904-K-B	Bent 1/2" (12.7mm) probe with 3/4" (19.05mm) vacuum cup	BUY IT NOW

Straight 1/2" (12.7mm) Metal Probe With NON ESD-Safe non-marking PureAClean Blue Vacuum Cup

V8908-S-S	Straight 1/2" (12.7mm) probe with 1/8" (3.18mm) vacuum cup	BUY IT NOW
V8908-P-S	Straight 1/2" (12.7mm) probe with 3/16" (4.76mm) vacuum cup	BUY IT NOW
V8908-M-S	Straight 1/2" (12.7mm) probe with 1/4" (6.35mm) vacuum cup	BUY IT NOW
V8908-L-S	Straight 1/2" (12.7mm) probe with 3/8" (9.53mm) vacuum cup	BUY IT NOW
V8908-H-S	Straight 1/2" (12.7mm) probe with 1/2" (12.7mm) vacuum cup	BUY IT NOW
V8908-J-S	Straight 1/2" (12.7mm) probe with 5/8" (15.88mm) vacuum cup	BUY IT NOW
V8908-K-S	Straight 1/2" (12.7mm) probe with 3/4" (19.05mm) vacuum cup	BUY IT NOW

Bent 1/2" (12.7mm) Metal Probe With NON ESD-Safe non-marking PureAClean Blue Vacuum Cups

V8908-S-B	Bent 1/2" (12.7mm) probe with 1/8" (3.18mm) vacuum cup	BUY IT NOW
V8908-P-B	Bent 1/2" (12.7mm) probe with 3/16" (4.76mm) vacuum cup	BUY IT NOW
V8908-M-B	Bent 1/2" (12.7mm) probe with 1/4" (6.35mm) vacuum cup	BUY IT NOW
V8908-L-B	Bent 1/2" (12.7mm) probe with 3/8" (9.53mm) vacuum cup	BUY IT NOW
V8908-H-B	Bent 1/2" (12.7mm) probe with 1/2" (12.7mm) vacuum cup	BUY IT NOW
V8908-J-B	Bent 1/2" (12.7mm) probe with 5/8" (15.88mm) vacuum cup	BUY IT NOW
V8908-K-B	Bent 1/2" (12.7mm) probe with 3/4" (19.05mm) vacuum cup	BUY IT NOW

Replacement Vacuum Tip Kits

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	Replacement probe/cup - Static Dissipative Buna-N Vacuum Cups	BUY IT NOW

Vacuum probes are available with or without attached vacuum cups, which will fit most of your handling applications. The luer slip connector fits all of our vacuum handling tools. Custom probe lengths and bends are available upon request.

Here's a tip...
Cups can be cleaned easily with clean water or Isopropyl Alcohol.

STRAIGHT PROBES & CUPS

BENT PROBES & CUPS

Black ESD Safe

STRAIGHT PROBES & CUPS

BENT PROBES & CUPS

PureAClean Blue
NON ESD Safe Non marking

Probes and Cups not to scale

Prices subject to change without notice.

SMD-VAC™-HP

ESD-Safe
Vacuum Handling Systems

The SMD-VAC™ pick-and place tools provide a bench top vacuum generator. The whisper-quiet operation makes these the choice tools for many PCB assembly operations. Parts ranging in size from 0.0075" (0.19mm) up to 4" (102mm) can easily be handled.

SMD-VAC™-HP
3" X 2 1/2" X 6"
(76mm X 64mm X 152mm)

Variable air flow control

Black aluminum case

SMD-VAC Tips included

OPTIONAL FOOT SWITCH

SMD-VAC™-HP

Additional pick-up power for handling small to very large size components. The precision pump and motor generate over 15 inches of mercury. The compact tower design takes a up a very small footprint on the bench. An electric eye pen holder on the side automatically shuts the unit off when the vacuum pen is placed in it. A solenoid jack on the rear of the V8100A series allows use of the optional foot or hand switch to control vacuum during pick and place operations. The SMD-VAC™-HP comes complete with the following features:

• Quiet operation.
• 5 feet of coiled vacuum hose, (VCH-1/16-5).
• A set of nine vacuum tips, (VCS-9-B).
• A vacuum pick-up handle, (VVP-200).
• 12 volt DC power source.
• Automatic vacuum pump ON/OFF control.
• Rubber no-skid feet.
• ESD connection on rear of unit.
• Produces vacuum of over 15 inches of mercury.

V8100A	SMD-VAC-HP for 110 Volt	BUY IT NOW
V8100A-FS	SMD-VAC-HP with foot switch, for 110 Volt	BUY IT NOW
V8100A-220	SMD-VAC-HP for 220 Volt	BUY IT NOW
V8100A-FS-220	SMD-VAC-HP with foot switch, for 220 Volt	BUY IT NOW
V8100	SMD-VAC-HP, **NO SOLENOID** or foot/hand switch connection, for 110 Volt	BUY IT NOW
V8100-220	SMD-VAC-HP, **NO SOLENOID** or foot/hand switch connection, for 220 Volt	BUY IT NOW

Refer to pages 14-15 for small parts tips

SMD-VAC™-HP Small Parts Kit

SMD-VAC™-HP, runs on 12 VDC @ 500mA w/ solenoid. With a precision pump and motor that generates over 15 inches of mercury; this tool provides additional pick-up power for handling small to very large size components. This kit includes 5 feet of coiled vacuum hose 1/16" diameter (VCH-1/16-5), a set of nine ESD-Safe vacuum tips. (VCS-9-B), a push-button release vacuum pick-up handle. (VVP-200) Foot Switch & Vacuum Pen w/o control hole, (VFS-1), a set of ESD-Safe Delrin small parts tips (VSPT-TIPS-8-BD), a 16-position tip organizer/holder. (VTH-16), and a wall power supply for operation.

| V8100A-SP8-BD | SMD-VAC-HP Small Parts Kit for 110 Volt | BUY IT NOW |
| V8100A-SP8-BD-220 | SMD-VAC-HP Small Parts Kit for 220 Volt | BUY IT NOW |

Foot Switch With Vacuum Pen

Can be used with V8100A tools that have the optional solenoid jack at rear of unit.
(This kit includes handle V3021 on page 25).

| VFS-1 | Foot switch | BUY IT NOW |

Vacuum Tips Holder

Table top luer slip vacuum tips holder with non-slip rubber feet. Posts will accommodate up to 16 of our luer slip vacuum tips.

| VTH-16 | Table top holder, holds up to 16 luer slip vacuum tips | BUY IT NOW |

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SMD-VAC™-HP
SMALL PARTS KITS

ESD-Safe
Vacuum Handling Systems

ESD Safe Delrin Deluxe Small Parts Kits

V8100A-FS-DLX-D   SMD-VAC™-HP system (see page 10 for details) w/ solenoid, foot switch and an additional handle with no control hole, a selection of 9 rubber vacuum tips, a complete set of all 16 static dissipative delrin small parts tips, 16-position tip holder VTH-16 and 110 volt power supply   **BUY IT NOW**

V8100A-FS-220-DLX-D   This SMD-VAC™-HP system's features are identical to the above but powered with a 220 volt power supply   **BUY IT NOW**

V8100A-FS-DLX-D
KIT

High Temperature Brass Deluxe Small Parts Kits

V8100A-FS-DLX-B   SMD-VAC™-HP system (see page 10 for details) w/ solenoid, foot switch and an additional handle with no control hole, a selection of 9 rubber vacuum tips, a complete set of all 16 gold plated brass small parts tips, 16 position tip holder VTH-16 and 110 volt power supply   **BUY IT NOW**

V8100A-FS-220-DLX-B   This SMD-VAC™-HP system's features are identical to the above a 220 volt power supply   **BUY IT NOW**

ESD Safe Delrin Small Parts Kits

VSPT-KIT-16-D   A kit of 16 bent and straight ESD safe delrin small parts tips in the range of VSTP1005 to VSPT8060 with tip holder (VTH-16)   **BUY IT NOW**

VSPT-KIT-8-BD   A kit of 8 bent ESD safe delrin small parts tips in the range of VSTP1005 to VSPT8060   **BUY IT NOW**

VSPT-KIT-8-SD   A kit of 8 straight ESD safe delrin small parts tips in the range of VSTP1005 to VSPT8060   **BUY IT NOW**

VSPT-KIT-16-D

VSPT-KIT-8-BD

VSPT-KIT-8-SD

V8100A-FS-DLX-B
KIT

High Temperature Brass Small Parts Kits

VSPT-KIT-16-B   A kit of 16 bent and straight gold plated brass small parts tips in the range of VSTP1005 to VSPT8060 with tip holder p/n VTH-16   **BUY IT NOW**

VSPT-KIT-8-BB   A kit of 8 bent gold plated brass small parts tips in the range of VSTP1005 to VSPT8060   **BUY IT NOW**

VSPT-KIT-8-SB   A kit of 8 straight gold plated brass small parts tips in the range of VSTP1005   **BUY IT NOW**

VSPT-KIT-16-B

VSPT-KIT-8-BB

VSPT-KIT-8-SB

Tip Holder For Vacuum Tips

VTH-16   Tip holder with 16 locations for holding our luer slip vacuum pick up tips. Vacuum tips not included   **BUY IT NOW**

VTH-8   Tip holder with 8 locations for holding our luer slip vacuum pick up tips. Vacuum tips not included   **BUY IT NOW**

VTH-16

VTH-8

Prices subject to change without notice.