WAFER PAC-VAC® Kits

WAFER PAC-VAC® 9 Volt Battery Operated ESD-SAFE Cleanroom Safe Vacuum Tweezer Kit

WAFER PAC-VAC® vacuum tool kit, battery operated. The PAC-VAC is battery operated and self-contained, runs up to eight hours continuously on one 9 volt alkaline battery. This versatile unit can be clipped to your belt or pocket for one-handed portable operation. The PAC-VAC is constructed with ESD-SAFE materials.

This ESD-SAFE kit features:

- * Power on LED indicator.
- * A belt/pocket clip on the housing.
- * Lightweight only 156 grams.
- * Produces vacuum up to 16 inches of mercury.

V3200-CLN-MW4-2.5mm Handling up to 4" (100mm) wafer

V3200-CLN-MW6-2.5mm Handling up to 6" (150mm) wafer



- COILED-VACUUM-HOSE-6 (VCH-2.5MM-6-BLK)
- PUSH-BUTTON-WAFER-PEN (VWP-500-2.5MM)
- MOLDED PEEK WAFER TIP 9 VOLT BATTERY

V3200-CLN-MW8-2.5mm Handling up to 8" (200mm) wafer



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PUSH-BUTTON WAFER WAND® Kits

PUSH-BUTTON WAFER WAND® Kits

The lightweight push-button WAFER WAND® is designed for connection to continuous vacuum systems. Uperation is controlled by pushing the button. This tool can be used with an in-house vacuum system or with one of Virtual Industries high performance continuous vacuum systems. Can be used with all of our press-fit tips, adapters and vacuum hoses. Vacuum normally on - Push button to shut off vacuum and to release the wafer. Handling tool constructed from Static Dissipative Delrin. The source vacuum is shut off when the handle is placed in the holder. Kits includes a wafer wand, 6' of coiled vacuum hose, barb threaded adapter, a VBM-2 holder for the wafer wand and a wafer tip. NOTE: Requires continuous vacuum source.

VWWB-2A-MW4-1/16	With 1/16" (1.6mm) ID gray vacuum hose - Wafer Tip (VMWT-A) handles wafers up to 4"
VWWB-2A-MW4-2.5mm	With 2.5mm ID black vacuum hose - Wafer Tip (VMWT-A) handles wafers up to 4"
VWWB-2A-MW6-1/16	With 1/16" (1.6mm) ID gray vacuum hose - Wafer Tip (VMWT-B) handles wafers up to 6"
VWWB-2A-MW6-2.5mm	With 2.5mm ID black vacuum hose - Wafer Tip (VMWT-B) handles wafers up to 6"
VWWB-2A-MW8-1/16	With 1/16" (1.6mm) ID gray vacuum hose - Wafer Tip (VMWT-C) handles wafers up to 8"
VWWB-2A-MW8-2.5mm	With 2.5mm ID black vacuum hose - Wafer Tip (VMWT-C) handles wafers up to 8"
VWWB-2A-MW12-1/16	With 1/16" (1.6mm) ID gray vacuum hose - Wafer Tip (VMWT-D) handles wafers up to 12"
VWWB-2A-MW12-2.5mm	With 2.5mm ID black vacuum hose - Wafer Tip (VMWT-D) handles wafers up to 12"

SLIDE SWITCH WAFER WAND® Kits

SLIDE SWITCH WAFER WAND® Kits

The lightweight, slide switch wafer wand is designed for connection to continuous vacuum systems. Operation is controlled by sliding the switch forward to pick up a wafer and sliding the switch back which turns off the vacuum and releases the wafer. With the switch in the back position, vacuum is also blocked so that excess demand is not placed on the vacuum line system. This tool can be used with an in-house vacuum system or with one of Virtual Industries high performance continuous vacuum systems. Can also be used with all of our press-fit tips, adapters and vacuum hoses. Handling tool constructed from Static Dissipative Delrin. Kits includes a wafer wand, 6' of coiled vacuum hose, barb threaded adapter, a VBM-5 holder for the wafer wand and a wafer tip. NOTE: Requires continuous vacuum source.

VWW-2-SD-MW4-1/16 VWW-2-SD-MW4-2.5mm	With 1/16" (1.6mm) ID gray vacuum hose - Wafer Tip (VMWT-A) handles wafers up to 4" With 2.5mm ID black vacuum hose - Wafer Tip (VMWT-A) handles wafers up to 4"
VWW-2-SD-MW6-1/16 VWW-2-SD-MW6-2.5mm	With 1/16" (1.6mm) ID gray vacuum hose - Wafer Tip (VMWT-B) handles wafers up to 6" With 2.5mm ID black vacuum hose - Wafer Tip (VMWT-B) handles wafers up to 6"
VWW-2-SD-MW8-1/16 VWW-2-SD-MW8-2.5mm	With 1/16" (1.6mm) ID gray vacuum hose - Wafer Tip (VMWT-C) handles wafers up to 8" With 2.5mm ID black vacuum hose - Wafer Tip (VMWT-C) handles wafers up to 8"
VWW-2-SD-MW12-1/16 VWW-2-SD-MW12-2.5mm	With 1/16" (1.6mm) ID gray vacuum hose - Wafer Tip (VMWT-D) handles wafers up to 12" With 2.5mm ID black vacuum hose - Wafer Tip (VMWT-D) handles wafers up to 12"



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WAFER WANDS PUSH-BUTTON

ESD And Clean Room Safe



Our clean room safe wafer wands and holders are designed to be used with a continuous or in-house vacuum system.



Push-Button Wafer Wand Kits

The lightweight push-button wafer wand is designed for connection to continuous vacuum systems. Operation is controlled by pushing the button. This tool can be used with an in-house vacuum system or with one of Virtual Industries high performance continuous vacuum systems. Can be used with all of our press-fit tips, adapters and vacuum hoses. Vacuum normally on – Push button to shut off vacuum and to release the wafer. Handling tool constructed from Static Dissipative Delrin. The source vacuum is shut off when the handle is placed in the holder

is shut off when the handle i	s placed in the holder.	
VWWB-2A-MW4-1/16	PUSH BUTTON KIT - Includes a wafer wand for 1/16" ID vacuum hose, (VCH-1/16-6) 6' of coiled 1/8" ID vacuum hose, a VBM-2 holder for the wafer wand and a VMWT-A wafer tip which handles wafers up to 4".	
VWWB-2A-MW6-1/16	PUSH BUTTON KIT - Includes a wafer wand for 1/16" ID vacuum hose, (VCH-1/16-6) 6' of coiled 1/8" ID vacuum hose, a VBM-2 holder for the wafer wand and a VMWT-B wafer tip which handles wafers up to 6".	
VWWB-2A-MW8-1/16	PUSH BUTTON KIT - Includes a wafer wand for 1/16" ID vacuum hose, (VCH-1/16-6) 6' of coiled 1/8" ID vacuum hose, a VBM-2 holder for the wafer wand and a VMWT-C wafer tip which handles wafers up to 8".	
VWWB-2A-MW12-1/16	PUSH BUTTON KIT - Includes a wafer wand for 1/16" ID vacuum hose, (VCH-1/16-6) 6' of coiled 1/8" ID vacuum hose, a VBM-2 holder for the wafer wand and a VMWT-D wafer tip which handles wafers up to 12".	
VWWB-2A-MW4-2.5mm	PUSH BUTTON KIT - Includes a wafer wand for 2.5mm ID vacuum hose, (VCH-2.5mm-6) 6' of coiled 2.5mm ID vacuum hose, a VBM-2 holder for the wafer wand and a VMWT-A wafer tip which handles wafers up to 4".	\$ 359.40
VWWB-2A-MW6-2.5mm	PUSH BUTTON KIT - Includes a wafer wand for 2.5mm ID vacuum hose, (VCH-2.5mm-6) 6' of coiled 2.5mm ID vacuum hose, a VBM-2 holder for the wafer wand and a VMWT-B wafer tip which handles wafers up to 6".	
VWWB-2A-MW8-2.5mm	PUSH BUTTON KIT - Includes a wafer wand for 2.5mm ID vacuum hose, (VCH-2.5mm-6) 6' of coiled 2.5mm ID vacuum hose, a VBM-2 holder for the wafer wand and a VMWT-C wafer tip which handles wafers up to 8".	
VWWB-2A-MW12-2.5mm	PUSH BUTTON KIT - Includes a wafer wand for 2.5mm ID vacuum hose, (VCH-2.5mm-6) 6' of coiled 2.5mm ID vacuum hose, a VBM-2 holder for the wafer wand and a VMWT-D wafer tip which handles wafers up to 12".	
VWWB-2A-MW4-1/8	PUSH BUTTON KIT - Includes a wafer wand for 1/8" ID vacuum hose, (VCH-1/8-6) 6' of coiled 1/8" ID vacuum hose, a VBM-2 holder for the wafer wand and a VMWT-A wafer tip which handles wafers up to 4".	\$ 348.30
VWWB-2A-MW6-1/8	PUSH BUTTON KIT - Includes a wafer wand for 1/8" ID vacuum hose, (VCH-1/8-6) 6' of coiled 1/8" ID vacuum hose, a VBM-2 holder for the wafer wand and a VMWT-B wafer tip which handles wafers up to 6".	
VWWB-2A-MW8-1/8	PUSH BUTTON KIT - Includes a wafer wand for 1/8" ID vacuum hose, (VCH-1/8-6) 6' of coiled 1/8" ID vacuum hose, a VBM-2 holder for the wafer wand and a VMWT-C wafer tip which handles wafers up to 8".	
VWWB-2A-MW12-1/8	PUSH BUTTON KIT - Includes a wafer wand for 1/8" ID vacuum hose, (VCH-1/8-6) 6' of coiled 1/8" ID vacuum hose, a VBM-2 holder for the wafer wand and a VMWT-D wafer tip which handles wafers up to 12".	
Push-Button Wafer Wands		
VWWB-2A-SD-1/16	For 1/16" (1.59mm) ID hose, wafer wand only	
VWWB-2A-SD-2.5mm	For 2.5mm (2.5mm) ID hose, wafer wand only	
VWWB-2A-SD-1/8	For 1/8" (3.18mm) ID hose, wafer wand only	
Push-Button Wafer Wand H		
	VWWB series of wafer tweezer wands holds the wafer wand and turns off	
the vacuum air when not in i		
VBM-2	Bench mount wand holder	



VBM-4

Prices subject to change without notice.

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For 1/16" (1.59mm) ID hose, wafer wand only

For 2.5mm (2.5mm) ID hose, wafer wand only

For 1/8" (3.18mm) ID hose, wafer wand only

Bench mount holder. Can be used with any of our vacuum handles and pens.

This holder for the VWW-2 series of wafer tweezer wands holds the wafer wand when not in use.

ESD And **Clean Room Safe**

STEALTH-WAND™ Kits

The Virtual Venturi Stealth-Wand[™] vacuum generating handle with a wafer tip. The front connecting tip accepts all of our press fit wafer tips. Includes 6 feet of coiled (VCH-1/16-6) 1/16 inch vacuum hose, a (V3014-1/8NPT) 1/8 NPT to 1/16" barb adapter for the supply line, a wafer tip as specified below the vacuum generating handle, and a VBM-4 wafer wand holder. Operates off of 30 to 70 psi compressed air or nitrogen.

VVSW-MW4	The above kit with the VMWT-A which handles wafers up to 4"	\$ 356.80	Our STEALTH-
VVSW-MW6	The above kit with the VMWT-B which handles wafers up to 6"		highest level o
VVSW-MW8	The above kit with the VMWT-C which handles wafers up to 8"		compressed-a
VVSW-MW12	The above kit with the VMWT-D which handles wafers up to 12"	\$ 369.50	handling tools
* Normally open vacuum		consume a mi	

ivormally open vacuum

VVSW-X

The Virtual Venturi Stealth-Wand™ vacuum generating handle, with 6 feet of 1/16 inch coiled vacuum hose, a 1/8 NPT to 1/16" barb adapter for the supply line. No wafer tip or holder

STEALTH-WAND™ ELITE Kits

The Virtual Venturi Stealth-Wand™ Elite vacuum generating handle with a wafer tip. The front connecting tip accepts all of our press fit wafer tips. Includes 6 feet of coiled (VCH-1/16-6) 1/16 inch vacuum hose, a (V3014-1/8NPT) 1/8 NPT to 1/16" barb adapter for the supply line, a wafer tip as specified below and a VBM-4 wafer wand holder. Operates off of 30 to 50 psi compressed air or nitrogen. VVSW-NC-MW4 The above kit with the VMWT-A which handles wafers up to 4" VVSW-NC-MW6 The above kit with the VMWT-B which handles wafers up to 6" **VVSW-NC-MW8** The above kit with the VMWT-C which handles wafers up to 8"

VVSW-NC-MW12	The above kit with the VMWT-D which handles wafers	up to 12"

* Normally closed vacuum

* Uses air only when button is pushed

VVSW-NC-X The Virtual Venturi Stealth-Wand™ ELITE vacuum generating handle, with 6 feet of coiled (VCH-1/16-6) 1/16 inch vacuum hose, a (V3014-1/8NPT) 1/8 NPT to 1/16" barb adapter for the supply line. No wafer tip or holder

VBM-4

Bench mount holder. Can be used with any of our vacuum handles or vacuum pens.

Threaded Replacement Fitting

Adapt to 1/16" ID hose, for compressed air applications V3014-1/8NPT



WAFER WANDS STEALTH-WAND™



H-WANDS™ provide the of pick-up-power. These -air-powered wafer ols are whisper quiet and ume a minimal amount of compressed air or nitrogen.



Prices subject to change without notice.