

## VPW6300-12

12吋晶圓專用

### 特點

獨特設計，專門用於吸取12吋晶圓。

充電式設計，附指示燈，可知道電量，預防晶圓掉落。

符合防靜電規格。

吸筆附一支12吋晶圓吸筆頭。

可轉接6及8吋晶圓吸筆頭。

勝特力材料 886-3-5753170

勝特力电子(上海) 86-21-54151736

勝特力电子(深圳) 86-755-83298787

[Http://www.100y.com.tw](http://www.100y.com.tw)



VPW6300-12

## VPW6000-MW8

充電式晶圓吸筆

### 特點

可搭配4、6、8吋晶圓吸筆頭。

充電式設計，附指示燈，可知道電量，預防晶圓掉落。

符合防靜電規格。

吸筆附一支8吋晶圓吸筆頭。

符合防靜電規格。



VPW6000-MW8

# WAFER HANDLING TOOLS

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# PORTA-WAND®

## RECHARGEABLE BATTERY OPERATED WAFER HANDLING TOOLS

### PORTA-WAND 220V KIT

The PORTA-WAND 220V kit comes with a fixed internal 9.6V NiMH rechargeable battery, in-stand charger (P/N VPW6000-CHRG-220) and one wafer tip as listed below. Ideal for handling wafers, disk media or any item that has a flat, hard surface. Easily lifts over 500 grams. Rear exhaust of the pump air is standard on these units. The battery low indicator flashes red when the battery needs to be recharged. A PUSH-BUTTON provides easy on/off control. An internal air filter (VPW6000-FIL-5) is replaceable from the front of the tool, and an internal exhaust filter ensures better than Class 1 performance. An optional wall mounting bracket is also available (P/N VPW-WALL). Provided with CE approved power transformer.

**VI-VPW6000B-MW4** Porta-Wand with PEEK wafer tip VMWT-A, handles up to 4" (100mm) wafers

**VI-VPW6000B-MW6** Porta-Wand with PEEK wafer tip VMWT-B, handles up to 6" (150mm) wafers

**VI-VPW6000B-MW8** Porta-Wand with PEEK wafer tip VMWT-C, handles up to 8" (200mm) wafers

**VI-VPW6000B-TW4** Porta-Wand with Teflon coated wafer tip VWT-100075PF, handles up to 4" (100mm) wafers

**VI-VPW6000B-TW6** Porta-Wand with Teflon coated wafer tip VWT-170110PF, handles up to 6" (150mm) wafers

**VI-VPW6000B-TW8** Porta-Wand with Teflon coated wafer tip VWT-250125PF, handles up to 8" (200mm) wafers

### 300MM WAFER HANDLING TIP

Designed for safely handling 300mm wafers. The large five inch (127mm) outside diameter provides the support required to securely hold the large wafer. The center hole helps reduce the wafer tip weight and minimizes contact area. The dual press fit adapter provides both inner and outer o-ring gripping areas for added handling security. This unique design allows connection to any one of our wafer handling tools.

**VI-VWT-5R**

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Every PORTA-WAND is tested to meet Class I clean room particle contamination requirements. A serialized particle counter printout is provided with every tool. The press fit adapter provides for quick change for any of our wafer handling tips or accessories.

### PORTA-WAND



### 300MM WAFER HANDLING TIP





# PORTA-WAND® AND ACCESSORIES

## RECHARGEABLE BATTERY OPERATED WAFER HANDLING TOOLS

### BATTERY CHARGER SYSTEM

This charger system is used with the VPW6000B, and VPW6300B series PORTA-WAND vacuum handling tools. The plug-in wall transformer is included. An optional wall mounting bracket is also available (VPW-WALL).

**VI-VPW6000-CHRG-220** for 220 VAC operation

### CHARGER STAND WITHOUT TRANSFORMER.

**VI-VPW6000-CHRG-XT**

### WALL PLUG TRANSFORMER ONLY.

**VI-VPW6000-TRANS 220** for 220 VAC operation

### WALL MOUNTING BRACKET

This optional wall mount bracket is used with the above in-stand chargers. Includes four plastic anchors with screws and two screws to secure the charger to the bracket.

**VI-VPW-WALL**

### PORTA-WAND TOOL

The PORTA-WAND comes with a fixed internal 9.6V NiMH rechargeable battery. Ideal for handling wafers, disk media or any item that has a flat hard surface. Easily lifts over 500 grams. Rear exhaust of the pump air is standard on these units. The battery low indicator flashes red when the battery needs to be recharged. A PUSH-BUTTON provides easy on/off control. An internal air filter (VPW6000-FIL-5) is replaceable from the front of the tool, and an internal exhaust filter ensures better than Class1 performance. This tool is for users who would like to select their own wafer tip and in-stand charger separately.

PORTA-WAND only. Requires a VPW6000-CHRG for proper operation.

**VI-VPW6000B-X**

### INTAKE AIR FILTERS

Five pack of replaceable air filters for the PORTA-WAND.

**VI-VPW6000-FIL-5**

Additional tools or chargers can be purchased separately. The wall mount bracket allows you to mount the battery charger stand conveniently on a wall. The intake filter should be replaced on an annual basis or more frequently as needed.

### BATTERY CHARGER SYSTEM



Transformer

Charging stand



WALL  
MOUNTING  
BRACKET

### PORTA-WAND TOOL



### INTAKE AIR FILTERS



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# WAFER WANDS AND HOLDERS

## ESD AND CLEAN ROOM SAFE

### PUSH-BUTTON WAFER WAND

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 to release wafer. Handling tool constructed from static dissipative delrin.

**VI-VWWB-2-SD-1/8 For 1/8" (3.18mm) ID hose**

### BENCH TOP WAFER WAND HOLDER

The bench top holder for the VWWB series has a slot that activates the control button to shut off the vacuum air when the tool is not in use. Soft rubber feet prevent it from sliding. The heavy duty base prevents the tool from tipping over when not in use.

**VI-VBM-2**

### WALL MOUNT WAFER WAND HOLDER

The wall mount for the VWWB series holds the WAFER WAND when it is not in use. The wall mount has a slot that activates the control button to shut off the vacuum air when the tool is not in use. Two mounting holes are provided to attach the holder to a wall or the side of a bench.

**VI-VWM-2**

### POLE MOUNT WAFER WAND HOLDER

The pole mount for the VWWB series holds the WAFER WAND when it is not in use. The pole mount has a slot that activates the control button to shut off the vacuum air when the tool is not in use. Two mounting holes and zip ties are provided to attach the holder to a pole.

**VI-VPM-2 Photo not shown**

### SLIDE SWITCH WAFER WAND

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 vacuum and releases 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.

**VI-VWW-2-SD-1/8 For 1/8" (3.18mm) ID hose**

### BENCH TOP WAFER WAND HOLDER

The bench top holder for the VWW series holds the WAFER WAND when it is not in use. Anti-skid pads prevent it from sliding. The heavy duty base prevents the tool from tipping over when not in use.

**VI-VBM-1**

### WALL MOUNT WAFER WAND HOLDER

The wall mount for the VWW series holds the WAFER WAND when it is not in use. Two mounting holes are provided to attach the holder to a wall or the side of a bench.

**VI-VWM-1**

### POLE MOUNT WAFER WAND HOLDER

The pole mount for the VWW series holds the WAFER WAND when it is not in use. Two mounting holes and zip ties are provided to attach the holder for a pole.

**VI-VPM-1 Photo not shown**

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



**VBM-2**



**VWM-2**



### SLIDE SWITCH WAFER WAND



**VBM-1**



**VWM-1**



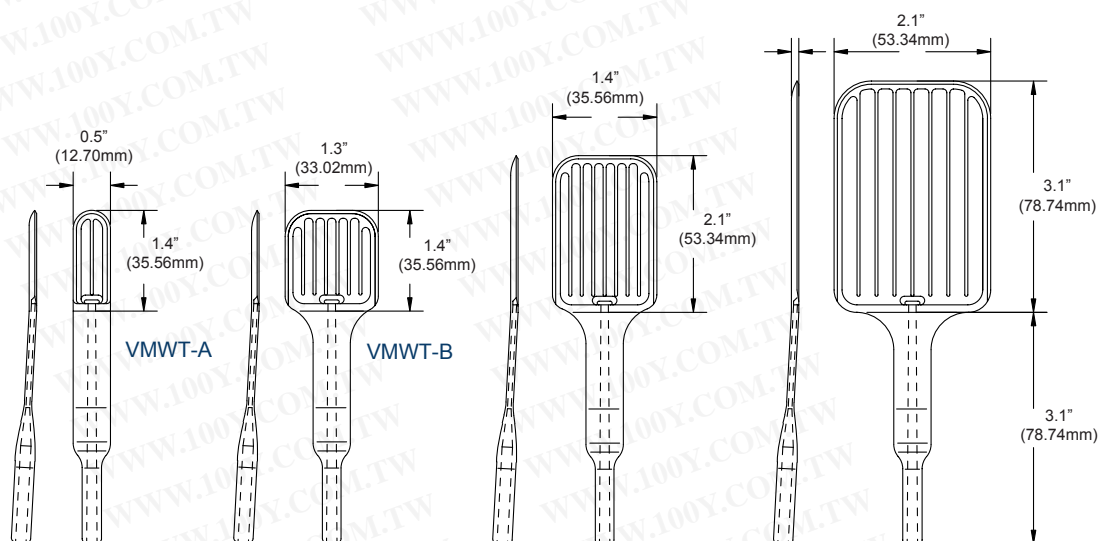
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# WAFER TIPS

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## PRESS-FIT MOLDED PEEK®

The PEEK® material selected for our molded wafer tips is an industry standard. They have excellent resistance to most chemicals. The non-sloughing carbon renders the wafer tips ESD safe.



### MOLDED PEEK WAFER TIPS

These wafer tips are molded from ESD safe PEEK plastic to handle wafers up to 100°C.

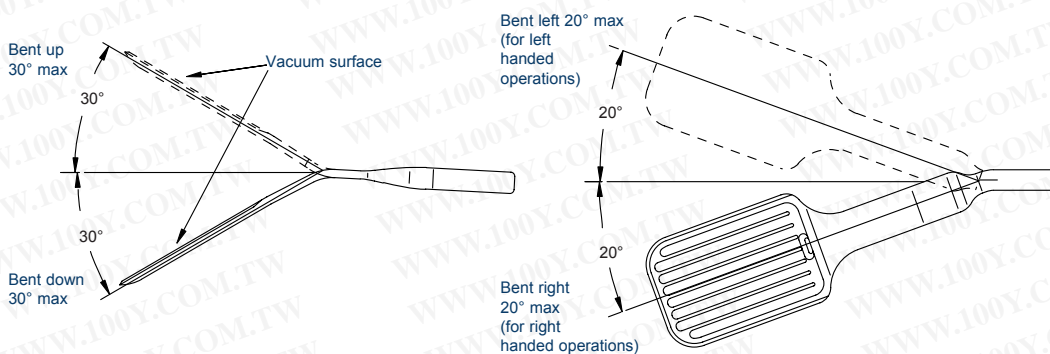
The low profile of the wafer tip head provides easy access to wafers in industry standard boats. These tips attach to all of our wafer handling tools as well as competitive systems.

**VI-VMWT-A Recommended for handling up to 4" (100mm) wafers**

**VI-VMWT-B Recommended for handling up to 6" (150mm) wafers**

**VI-VMWT-C Recommended for handling up to 8" (200mm) wafers**

**VI-VMWT-D Recommended for handling larger sized wafers,  
(no left/right angles available)**



Molded wafer tips VMWT-A, VMWT-B and VMWT-C are available with a 10°, 20° or 30° bend in the up or down direction as shown in the left drawing above. To order a tip with the up or down bend, add the angle plus a "U" for up or a "D" for down to the part number. EXAMPLE: Part number VMWT-A20D is a VMWT-A wafer tip with a 20 degree bend in the down direction. Custom angles are available upon request. Pricing is as above.

Molded wafer tips VMWT-A, VMWT-B and VMWT-C are available with a 10° or 20° bend in the left or right direction as shown in the right drawing above. To order a tip with the left or right bend, add the angle plus a "L" for left or an "R" for right to the part number. EXAMPLE: Part number VMWT-C20R is a VMWT-C wafer tip with a 20 degree bend in the right direction. Custom angles are available upon request. Pricing is as above.

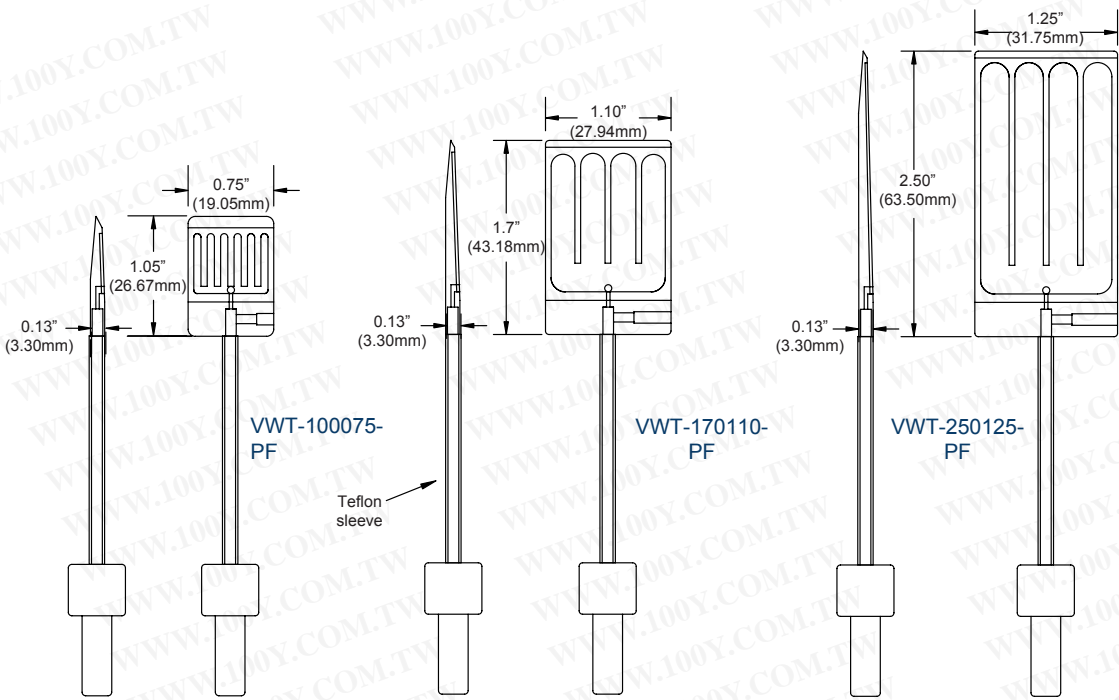


# WAFER TIPS

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## PRESS-FIT, HIGH TEMPERATURE TEFLON® COATED ALUMINUM

These wafer tips are precision machined from high grade aluminum and are coated with a high temperature teflon. They are excellent for handling applications up to 500°F (250°C).



### TEFLON COATED ALUMINUM WAFER TIPS

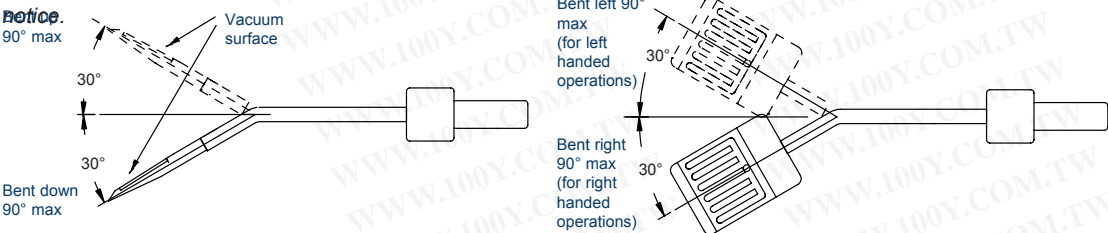
These wafer tips are Teflon coated aluminum for high temperature applications up to 250°C. The wafer handling tips come complete with a 3" (76.20mm) long, straight, stainless steel 0.094" (2.39mm) diameter tube and fitting to connect to press-fit wafer handling tools. See below for ordering special tube lengths and angles.

**VI-VWT-100075-PF** Recommended for handling up to 4" (100mm) wafers

**VI-VWT-170110-PF** Recommended for handling up to 6" (150mm) wafers

**VI-VWT-250125-PF** Recommended for handling up to 8" (200mm) wafers

Prices subject to change without



To order a longer tube length, up to 8" (203.20mm) long, add a "-XL" to the wafer tip part number where "X" is the total length of the tube desired. To specify an angle to be included on the tube, add a "-YD" to the part number where "Y" is the angle that is required.

These wafer tips are available with a 10°, 20° or 30° bend in the up or down direction as shown in the left drawing above. To order a tip with the up or down bend, add the angle plus a "U" for up or a "D" for down to the part number. EXAMPLE: Part number VWT-100075-PF20D is a VWT-100075-PF wafer tip with a 20 degree bend in the down direction. Custom angles are available upon request. Pricing is as above.

These wafer tips are available with a 10° or 20° bend in the left or right direction as shown in the right drawing above. To order a tip with the left or right bend, add the angle plus a "L" for left or an "R" for right to the part number. EXAMPLE: Part number VWT-100075-PF20R is a VWT-100075-PF wafer tip with a 20 degree bend in the right direction. Custom angles are available upon request. Pricing is as above.

