



SMALL DEVICES

Making Wafer Handling Systems your preferred source for substrate handling.

SELECT THE RIGHT VACUUM CUP FOR YOUR APPLICATION IN 3 STEPS

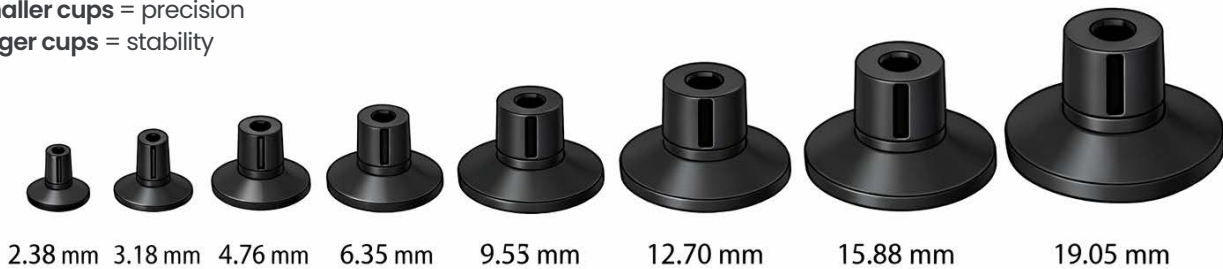
HANDLING SMALL DEVICES, ELECTRONICS, OPTICS, OR HIGH-TEMP PARTS

STEP 1: CHOOSE YOUR MATERIAL (PRIMARY DECISION DRIVER)

<p>MATERIAL - NB (NITRILE)</p>	<p>Best for: General applications Key benefits: Antistatic, cost-effective When to Avoid: High heat</p>
<p>MATERIAL - CS (CONDUCTIVE SILICONE)</p>	<p>Best for: High temperature Key benefits: Heat resistant, conductive When to Avoid: Cost-sensitive standard use</p>
<p>MATERIAL - PUR (NON-MARKING SILICONE)</p>	<p>Best for: Optics, glass Key benefits: Non-marking, high temp When to Avoid: When antistatic required</p>
<p>“Use NB for 80% of applications” “Use CS for heat” “Use PUR for optics/glass”</p>	

STEP 2: SELECT CUP SIZE

Rule-of-thumb guidance:
Cup diameter \approx 50–80% of part surface area
Smaller cups = precision
Larger cups = stability



25 pieces	Vacuum cup, 2.38 mm 25-pack without needle
25 pieces	Vacuum cup, 3.18 mm 25-pack without needle
25 pieces	Vacuum cup, 4.76 mm 25-pack without needle
25 pieces	Vacuum cup, 6.35 mm 25-pack without needle
25 pieces	Vacuum cup, 9.53 mm 25-pack without needle
25 pieces	Vacuum cup, 12.70 mm 25-pack without needle
25 pieces	Vacuum cup, 15.88 mm 25-pack without needle
25 pieces	Vacuum cup, 19.05 mm 25-pack without needle
KIT	variety set vacuum cups 8-pack with needle incl all the sizes: 2.38 mm, 3.18 mm, 4.76 mm, 6.35 mm, 9.53 mm, 12.70 mm, 15.88 mm and 19.05 mm

REV042026

STEP 3: CHOOSE CONFIGURATION & QUANTITY



OPTION A: VARIETY PACK

One of each size include: 8-pack with needle incl one of each sizes: 2.38 mm, 3.18 mm, 4.76 mm, 6.35 mm, 9.53 mm, 12.70 mm, 15.88 mm and 19.05 mm

Best for:

- Testing
- New applications
- R&D



OPTION B: 25-PACK (SINGLE SIZE)

One size 25 pieces

Best for:

- Production
- Standardized processes

STEP 4: SELECT MOUNTING STYLE



STRAIGHT NEEDLE (WHS-V8-5-1)

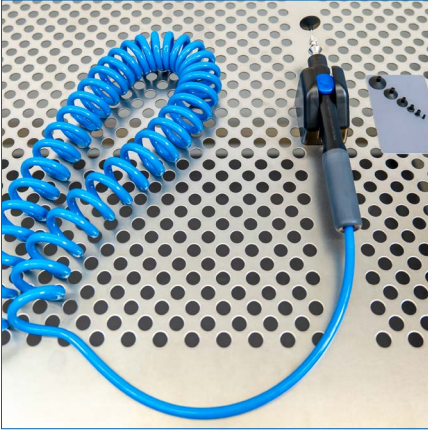
For direct vertical pickup



BENT NEEDLE (WHS-V8-4-1)

For angled access

STEP 5: CHOOSE YOUR VACUUM WAND SYSTEM



OPTION 1: WHS-V2-SET-SD

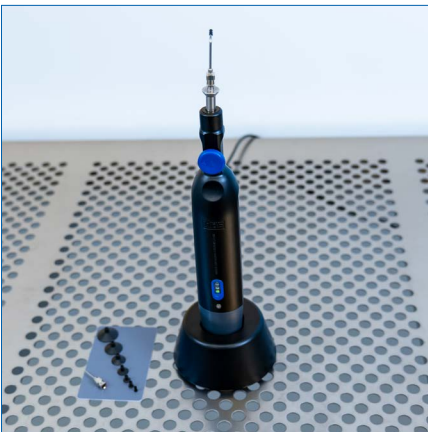
This set includes:

- Nitrile Buna-N Cup variety kit (WHS-V8-NBKIT)
- Adapter, vacuum wand small device needle mount (WHS-V5-SD)
- Wand (WHS-V2-SD)
- Coil cord (WHS-V3-CC)
- Holder (WHS-V4-WM)

Type: In-house vacuum

Best for:

- Bench setups



OPTION 2: WHS-V6-SD

This set includes:

- Nitrile Buna-N Cup variety kit (WHS-V8-NBKIT)
- Adapter, vacuum wand small device needle mount (WHS-V5-SD)
- Cordless portable vacuum wand (WHS-V6)

Type: Cordless handheld

Best for:

- Mobility



OPTION 3: WHS-V7-SD

This set includes:

- Nitrile Buna-N Cup variety kit (WHS-V8-NBKIT)
- Adapter, vacuum wand small device needle mount (WHS-V5-SD)
- Portable vacuum wand assembly tabletop (WHS-V7)
including: Wand (WHS-V2-SD) and Coil cord (WHS-V3-CC)

Type: Tabletop portable

Best for:

- Stability + portability

SYSTEM ASSEMBLY OVERVIEW



1. CUP →

Choose material:

- NB
- CS
- PUR

2. NEEDLE →

Choose needle

- Bent
- Straight

3. ADAPTER →

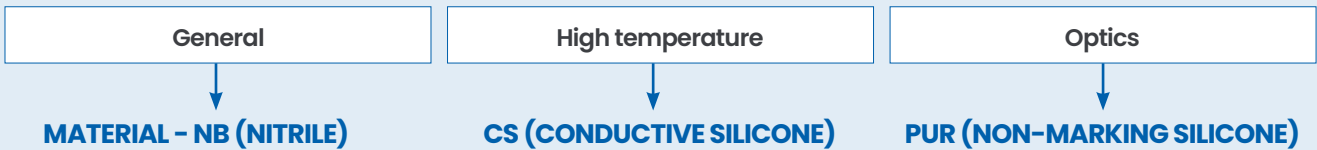
4. WAND

Choose wand

- In-house vacuum
- Cordless handheld
- Tabletop portable

QUICK SELECTION FLOWCHART

WHAT ARE YOU HANDLING?



WHAT SIZE PART?

2.38 mm 3.18 mm 4.76 mm 6.35 mm 9.53 mm 12.70 mm 15.88 mm 19.05 mm

TESTING OR PRODUCTION?

8-Pack (Variety Pack)

25-Pack (Single Size)

NEED ANGLE?

Bent

Straight

SELECT WAND

In-house vacuum

Cordless handheld

Tabletop portable

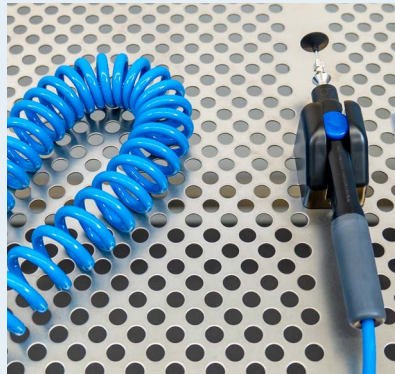
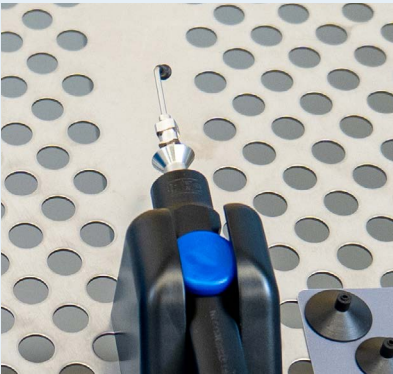
REV042026

VACUUM CUPS CS

WHS offers a comprehensive range of needles, cups, and custom tips designed for precision handling of small devices such as die, packages, optics, and other sensitive components. These tools are engineered for cleanroom environments and are fully compatible with WHS vacuum wand products, enhancing functionality for specialized handling applications.

Customers using the WHS-V8 series will require the WHS-V5-SD small device adapter, which can be press-fit onto any WHS vacuum wand handle. Once installed, users can mount stainless steel hub needles, available in straight or 45° angled options. These needles allow the attachment of vacuum cups, available in three main materials:

WHS-V8-NB: Antistatic nitrile Buna N for general applications.



WHS-V8-CS: High-temperature conductive silicone for specialized tasks.

WHS-V8-PUR: Ultra-clean, non-marking silicone for handling optics.

Each type of vacuum cup comes in eight different sizes (ranging from 2.38mm to 19.05mm in diameter) and is available in 25-piece sets or a convenient variety trial pack, which includes one of each size to help customers determine the best option for their specific needs.

All WHS-V8 components are designed with precision and durability, ensuring reliable performance in cleanroom settings. These options provide versatility for handling small and delicate devices, ensuring high-quality and contamination-free operation in semiconductor and high-tech environments.

FEATURES AND ADVANTAGES

- Compatible with WHS vacuum wands via WHS-V5-SD adapter
- Stainless steel hub needles available in straight or 45° angles
- Cups: Nitrile (NB), silicone (CS), non-marking (PUR)
- Eight cup sizes: 2.38mm to 19.05mm diameters
- Available in 25-piece sets or variety trial packs

VACUUM CUPS CS

ITEM	SPECIFICATIONS
Material, cups	Conductive Silicone
Size	2.38, 3.18, 4.76, 6.35, 9.53, 12.70, 15.88 or 19.05 mm diameter or variety set vacuum cups 8-pack
Material, hub needles	Stainless steel
Material, adapter	Stainless steel
Cleanliness	ISO 4 (Class 1 FS209E)



ORDERING INFORMATION

WHS-V8-	CS02.38
CODE	MODEL
CS02.38	Vacuum cup, 2.38 mm, ESD silicone, 25-pack without needle
CS03.18	Vacuum cup, 3.18 mm, ESD silicone, 25-pack without needle
CS04.76	Vacuum cup, 4.76 mm, ESD silicone, 25-pack without needle
CS06.35	Vacuum cup, 6.35 mm, ESD silicone, 25-pack without needle
CS09.53	Vacuum cup, 9.53 mm, ESD silicone, 25-pack without needle
CS12.70	Vacuum cup, 12.70 mm, ESD silicone, 25-pack without needle
CS15.88	Vacuum cup, 15.88 mm, ESD silicone, 25-pack without needle
CS19.05	Vacuum cup, 19.05 mm, ESD silicone, 25-pack without needle
CSKIT	variety set vacuum cups 8-pack with needle

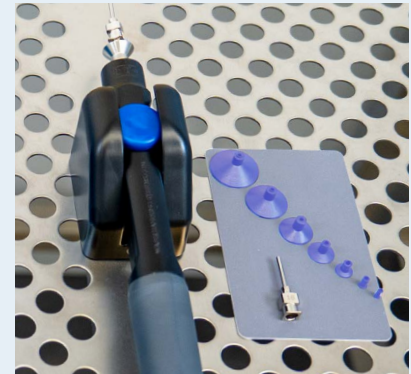
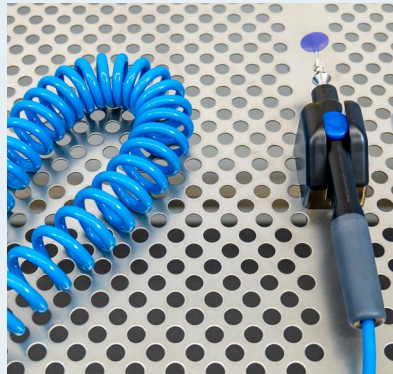
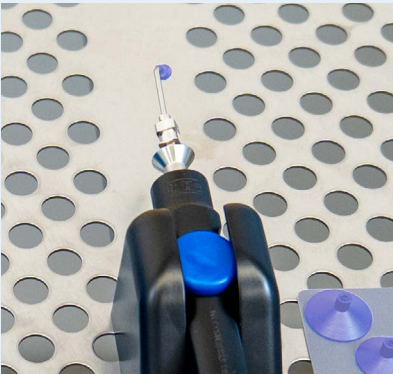
REV042026

VACUUM CUPS PUR SILICONE

WHS offers a comprehensive range of needles, cups, and custom tips designed for precision handling of small devices such as die, packages, optics, and other sensitive components. These tools are engineered for cleanroom environments and are fully compatible with WHS vacuum wand products, enhancing functionality for specialized handling applications.

Customers using the WHS-V8 series will require the WHS-V5-SD small device adapter, which can be press-fit onto any WHS vacuum wand handle. Once installed, users can mount stainless steel hub needles, available in straight or 45° angled options. These needles allow the attachment of vacuum cups, available in three main materials:

WHS-V8-NB: Antistatic nitrile Buna N for general applications.



WHS-V8-CS: High-temperature conductive silicone for specialized tasks.

WHS-V8-PUR: Ultra-clean, non-marking silicone for handling optics.

Each type of vacuum cup comes in eight different sizes (ranging from 2.38mm to 19.05mm in diameter) and is available in 25-piece sets or a convenient variety trial pack, which includes one of each size to help customers determine the best option for their specific needs.

All WHS-V8 components are designed with precision and durability, ensuring reliable performance in cleanroom settings. These options provide versatility for handling small and delicate devices, ensuring high-quality and contamination-free operation in semiconductor and high-tech environments.

FEATURES AND ADVANTAGES

- Compatible with WHS vacuum wands via WHS-V5-SD adapter
- Stainless steel hub needles available in straight or 45° angles
- Cups: Nitrile (NB), silicone (CS), non-marking (PUR)
- Eight cup sizes: 2.38mm to 19.05mm diameters
- Available in 25-piece sets or variety trial packs

VACUUM CUPS PUR SILICONE

ITEM	SPECIFICATIONS
Material, cups	Ultra-Pure Silicone
Size	2.38, 3.18, 4.76, 6.35, 9.53, 12.70, 15.88 or 19.05 mm diameter or variety set vacuum cups 8-pack
Material, hub needles	Stainless steel
Material, adapter	Stainless steel
Cleanliness	ISO 4 (Class 1 FS209E)



ORDERING INFORMATION

WHS-V8-	CS02.38
CODE	MODEL
PUR02.38	Vacuum cup, 2.38 mm, PUR silicone, 25-pack
PUR03.18	Vacuum cup, 3.18 mm, PUR silicone, 25-pack
PUR04.76	Vacuum cup, 4.76 mm, PUR silicone, 25-pack
PUR06.35	Vacuum cup, 6.35 mm, PUR silicone, 25-pack
PUR09.53	Vacuum cup, 9.53 mm, PUR silicone, 25-pack
PUR12.70	Vacuum cup, 12.70 mm, PUR silicone, 25-pack
PUR15.88	Vacuum cup, 15.88 mm, PUR silicone, 25-pack
PUR19.05	Vacuum cup, 19.05 mm, PUR silicone, 25-pack
PURKIT	Variety kit vacuum cups, PUR silicone, 8-pack

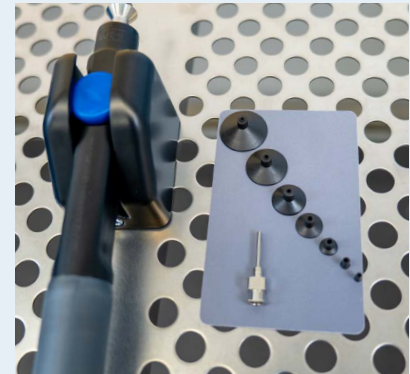
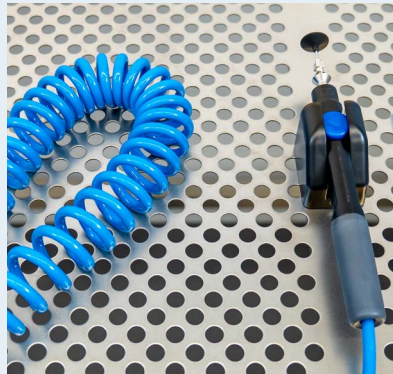
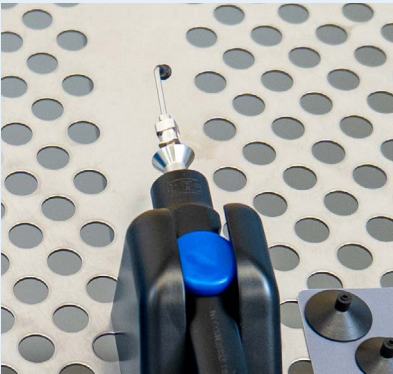
REV042026

VACUUM CUPS NITRILE BN

WHS offers a comprehensive range of needles, cups, and custom tips designed for precision handling of small devices such as die, packages, optics, and other sensitive components. These tools are engineered for cleanroom environments and are fully compatible with WHS vacuum wand products, enhancing functionality for specialized handling applications.

Customers using the WHS-V8 series will require the WHS-V5-SD small device adapter, which can be press-fit onto any WHS vacuum wand handle. Once installed, users can mount stainless steel hub needles, available in straight or 45° angled options. These needles allow the attachment of vacuum cups, available in three main materials:

WHS-V8-NB: Antistatic nitrile Buna N for general applications.



WHS-V8-CS: High-temperature conductive silicone for specialized tasks.

WHS-V8-PUR: Ultra-clean, non-marking silicone for handling optics.

Each type of vacuum cup comes in eight different sizes (ranging from 2.38mm to 19.05mm in diameter) and is available in 25-piece sets or a convenient variety trial pack, which includes one of each size to help customers determine the best option for their specific needs.

All WHS-V8 components are designed with precision and durability, ensuring reliable performance in cleanroom settings. These options provide versatility for handling small and delicate devices, ensuring high-quality and contamination-free operation in semiconductor and high-tech environments.

FEATURES AND ADVANTAGES

- Compatible with WHS vacuum wands via WHS-V5-SD adapter
- Stainless steel hub needles available in straight or 45° angles
- Cups: Nitrile (NB), silicone (CS), non-marking (PUR)
- Eight cup sizes: 2.38mm to 19.05mm diameters
- Available in 25-piece sets or variety trial packs

VACUUM CUPS NITRILE BN

ITEM	SPECIFICATIONS
Material, cups	Nitrile-Buna N
Size	2.38, 3.18, 4.76, 6.35, 9.53, 12.70, 15.88 or 19.05 mm diameter or variety set vacuum cups 8-pack
Material, hub needles	Stainless steel
Material, adapter	Stainless steel
Cleanliness	ISO 4 (Class 1 FS209E)



ORDERING INFORMATION

WHS-V8-	CS02.38
CODE	MODEL
NB02.38	Vacuum cup, 2.38mm, Nitrile BN, 25-pack without needle
NB03.18	Vacuum cup, 3.18mm, Nitrile BN, 25-pack without needle
NB04.76	Vacuum cup, 4.76mm, Nitrile BN, 25-pack without needle
NB06.35	Vacuum cup, 6.35mm, Nitrile BN, 25-pack without needle
NB09.53	Vacuum cup, 9.53mm, Nitrile BN, 25-pack without needle
NB12.70	Vacuum cup, 12.70mm, Nitrile BN, 25-pack without needle
NB15.88	Vacuum cup, 15.88mm, Nitrile BN, 25-pack without needle
NB19.05	Vacuum cup, 19.05mm, Nitrile BN, 25-pack without needle
NBKIT	Variety kit vacuum cups, Nitrile-BN, 8-pack with needle

REV042026

WHS-V5 VACUUM WAND ADAPTER SERIES

WHS offers a range of high-performance accessories designed to adapt and customize WHS vacuum wands for various wafer handling and small device management applications. Each adapter is precision-manufactured, either from molded parts or with precision machining, ensuring top-quality construction. Some adapters are made entirely from ESD-safe PEEK material, while others feature stainless steel components or a combination of both, offering the right material for specific applications.

The WHS-V5-TUBE provides a secure, press-fit solution for mounting machined vacuum tips, combining PEEK with stainless steel tubing. The WHS-V5-EXT extends the vacuum tip reach by 50mm and can be stacked for deeper applications, all while maintaining a lightweight PEEK construction. Ergonomically designed, the WHS-V5-30A and WHS-V5-45A angle adapters, made from durable PEEK, offer 30° and 45° bends for operator comfort and ease of use in tight spaces.

Adapters like the WHS-V5-SD, made from stainless steel, allow for the precise handling of small devices using luer-lock hub needles, while the WHS-V5-GND grounding adapter ensures proper ESD protection by completing the vacuum wand’s grounding path. Many WHS-V5 adapters feature tapered fits, allowing for easy, tool-free installation.

All WHS-V5 adapters are engineered with antistatic properties, cleanroom compatibility, and robust construction, making them ideal for high-performance semiconductor manufacturing environments. These universal adapters enhance the adaptability and efficiency of WHS vacuum wands, ensuring precision and reliability in demanding cleanroom settings.

ADAPTER VACUUM WAND SMALL DEVICE NEEDLE MOUNT

An antistatic press fit adapter for installing hub needles on to a Press-fit vacuum wand handle. Slip-luer mounting. Type 304 stainless steel construction.



ITEM	SPECIFICATIONS
Type	Vacuum wand tip luer hub-needle adapter for mounting vacuum cups
Material adapter	Type 304 stainless steel

WHS-V5-SD	Adapter vacuum wand small device needle mount
-----------	---

REV042026

ADAPTER VACUUM WAND TIP LENGTH EXTENSION

An antistatic press fit 50mm extension vacuum wand adapter for changing the reach length of a Vacuum tip installation. Note: multiple adapters can be combined to extend longer dimensions. Antistatic PEEK material.



ITEM	SPECIFICATIONS
Size	50 mm length extender adapter
Type	Press-fit to molded PEEK tip
Material adapter	Anti-static PEEK polyetheretherketone
Adapter total length	64.7 mm

WHS-V5-EXT	Adapter Vacuum Wand Tip 50 mm Length Extension
------------	--

ADAPTER VACUUM WAND TIP WITH ANGLE BENT

An antistatic press fit 30° or 45° vacuum wand angle adapter for changing the angle of a Vacuum tip installation. Antistatic PEEK material.

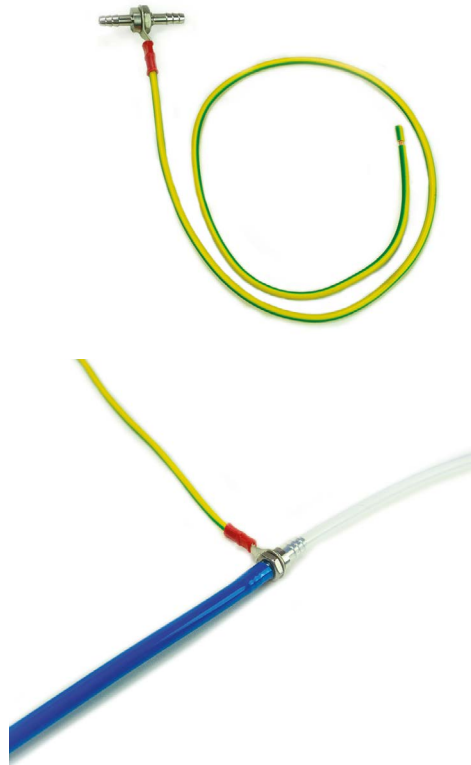


ITEM	SPECIFICATIONS
Type	30° bent adapter or 45° bent adapter
Material adapter	Anti-static PEEK polyetheretherketone

WHS-V5-30A	Adapter, vacuum wand tip 30-degree angle bent
WHS-V5-45A	Adapter, vacuum wand tip 45-degree angle bent

VACUUM WAND GROUNDING ADAPTER

WHS vacuum wand assemblies are designed with static dissipative materials and should be properly connected to a ground connection source to protect substrates from an ESD event. The WHS-V5-GND is a double hose barb adapter with grounding wire to aid in the installation of a vacuum wand. The installer connects the house facilities vacuum line to one side, the vacuum wand cord to the opposite and connects the 500 mm green grounding wire to a ground source near the workstation.



ITEM	SPECIFICATIONS
Type	Adapter, vacuum wand grounding
Material hose bard	Stainless steel
Material wire	304 stainless steel tubing
Ground wire	500 mm length

WHS-V5-GND	Adapter vacuum wand grounding
------------	-------------------------------

ADAPTER VACUUM WAND TIP TUBING

An antistatic press fit adapter for installing machined vacuum tips on to a press-fit vacuum wand handle. Adapter and tubing included. Antistatic PEEK adapter with type 304 stainless steel tubing.



ITEM	SPECIFICATIONS
Type	Adapter, vacuum wand tip tubing
Material adapter	Antistatic PEEK
Material tubing	304 stainless steel
Size	28 mm length extender adapter

WHS-V5-TUBE	Adapter vacuum wand tip tubing
-------------	--------------------------------

REV042026

SMALL DEVICE HUB NEEDLE 16G 12-PACK STRAIGHT

Stainless Steel 16G Luer Hub Needles for Mounting Vacuum Cups on a Vacuum Wand Assembly, Straight Profile, 12-pack



ITEM	SPECIFICATIONS
Type	16G luer hub needles for mounting vacuum cups on a vacuum wand assembly
Material	Electropolished 316 stainless steel
Profile	Straight
Pieces	12-pack

WHS-V8-4

Small device, hub needle, 16g bent, 12-pack

SMALL DEVICE HUB NEEDLE 16G BENT 12-PACK

Stainless Steel 16G Luer Hub Needles for Mounting Vacuum Cups on a Vacuum Wand Assembly, 45° Angle Profile, 12-pack



ITEM	SPECIFICATIONS
Type	16G luer hub needles for mounting vacuum cups on a vacuum wand assembly
Material	Electropolished 316 stainless steel
Angle Profile	45°
Pieces	12-pack

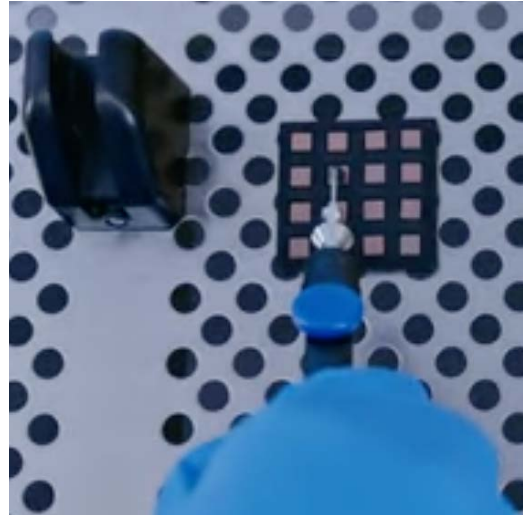
WHS-V8-5

Small device, hub needle, 16g straight, 12-pack

VACUUM WAND SETS

WHS offers comprehensive, preassembled solutions for a range of vacuum wand handling applications, incorporating the most frequently ordered components. Each set includes a vacuum tip, wand handle, vacuum cord, and holder, providing a complete solution ready for use in cleanroom environments. WHS vacuum wand components are highly engineered for cleanliness, repeatability, and durability, using advanced materials for chemical resistance, antistatic protection, and longevity.

WHS components are available in a wide variety of configurations to meet the specific demands of semiconductor wafer handling. Manufactured in an ISO9001-certified facility, all products ensure high performance and reliability. Materials like ESD-safe polycarbonate and PEEK offer exceptional chemical resistance and durability, while maintaining cleanroom compatibility. These components are designed to withstand rigorous use in production environments, ensuring both long-term product performance and wafer safety.



WATCH VIDEO



FEATURES AND ADVANTAGES

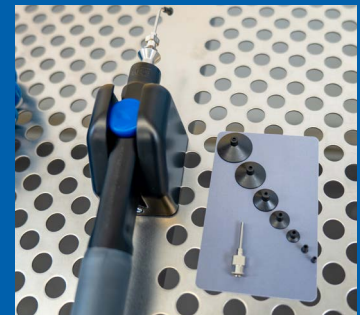
- Complete sets with tip, handle, cord, and holder
- Ideal for wafer and small device handling in cleanrooms
- Durable, antistatic components for long-term use
- ESD-safe materials for wafer protection
- Five sets for common handling needs.

WHS-V2-SET-SD

For small device handling with a Nitrile Buna-N cup kit.

Assembly includes:

Nitrile Buna-N Cup variety kit
(WHS-V8-NBKIT)
Wand (WHS-V2-SD)
Coil cord (WHS-V3-CC)
Holder (WHS-V4-WM)



VACUUM WAND SETS

ITEM	SPECIFICATIONS
Style, standard	Press fit, normally open
Material, tip	Antistatic PEEK
Material, handle	Antistatic polycarbonate
Material, cord	Antistatic polyurethane
Material, holder	Antistatic polycarbonate
Cleanliness	ISO 3 (Class 1 FS209E)



ORDERING INFORMATION

WHS-V2-	SET-SD
CODE	MODEL
SET-SD	Vacuum wand set, small device - Assembly includes: Nitrile Buna-N Cup Variety Kit (WHS-V8-NBKIT), wand (WHS-V2-SD), coil cord (WHS-V3-CC), holder (WHS-V4-WM)

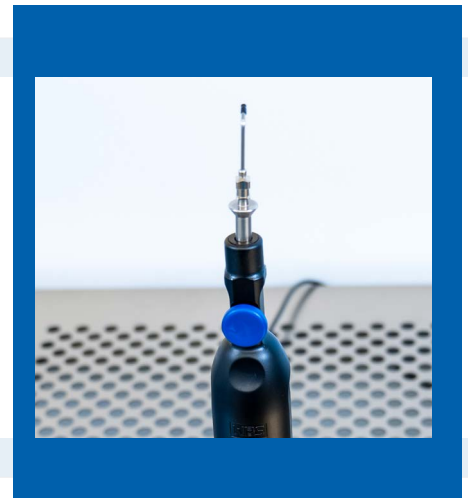
CORDLESS PORTABLE VACUUM WAND

The WHS-V6 is an advanced cordless, battery-powered vacuum wand designed for flexible, portable wafer handling in cleanroom environments. Free from vacuum lines, it offers full mobility, making it ideal for wafer rescue, manual sorting, light production, and small device handling. The WHS-V6 is designed as a universal tool, allowing for quick change-out of vacuum tips or small device adapters, ensuring maximum compatibility with all WHS vacuum wand options. Models include WHS-V6-200 for handling 150 mm to 200 mm wafers and WHS-V6-300 for 300 mm wafers. The system can be purchased with vacuum tips or as a base unit for user customization. Additionally, the WHS-V6-SD model includes vacuum cups and small device adapters, offering precision handling of die, packages, optics, and other small components.

The WHS-V6 also features a normally open vacuum



WATCH VIDEO



flow system with an auto-on pick-up function, allowing operators to grab the wand from its charging base and use it immediately without manual activation. The tool automatically shuts off when placed back into the charging base, enhancing operator convenience. Additionally, the WHS-V6 includes an integrated battery level LED light bar, always providing real-time visibility of battery status.

Powered by a replaceable lithium-ion battery, the WHS-V6 delivers over 5 hours of continuous runtime per charge. Its wireless smart charging base prevents overcharging, extending battery life. The wand generates 600 mbar (17.7" Hg) barometric vacuum pressure for secure handling of wafers and small components.

An advanced H14 HEPA filter captures 99.99% of 0.3µm particles, ensuring optimal contamination control. With

an ergonomic, ESD-safe design, the WHS-V6 provides maximum protection for operators and wafers. Manufactured in an ISO9001-certified and CE-certified environment, the WHS-V6 offers a reliable, portable solution for cleanroom wafer and device handling.

FEATURES AND ADVANTAGES

- Cordless battery powered vacuum wand for wafer handling
- Auto-on feature; activates on pickup, turns off when docked
- Available in models for various wafer sizes and applications
- Ergonomic, ESD-safe, 5+ hour runtime with HEPA filtration
- High-performance vacuum pressure for delicate tasks.

VACUUM WAND HANDLE SERIES

ITEM	SPECIFICATIONS
Models	Small Device
Material, wand	Antistatic polycarbonate
Material, base	Antistatic polycarbonate
Material, vacuum tip	PEEK - polyetheretherketone
Battery type	3.7 Li Ion (rechargeable) RCRI23A
Cleanliness	ISO 3 (Class 1 FS209E)



ORDERING INFORMATION

WHS-V6-	SD
CODE	MODEL
SD	Portable vacuum wand assembly cordless, small device including: WHS-V5-SD and WHS-V8-NBKIT

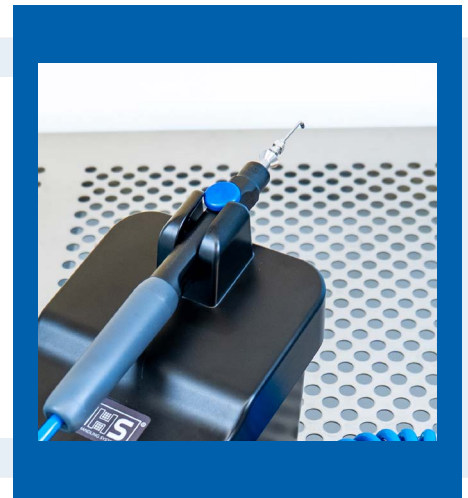
TABLETOP PORTABLE VACUUM WAND

The WHS-V7 is a high-performance tabletop portable vacuum wand engineered for demanding wafer handling and small device management in cleanroom environments. With its powerful 800 mBar (23.6" Hg) vacuum, the WHS-V7 is designed to meet the rigorous demands of full production applications, making it ideal for heavy-duty tasks beyond simple wafer rescue or light production. Its portable, self-contained design provides independence from vacuum lines, allowing for complete mobility and continuous operation in high-production environments.

The WHS-V7 is available in several models: WHS-V7-300 for 300 mm wafers, WHS-V7-200 for 200 mm wafers, and the base WHS-V7 model for user customization with various vacuum tips. Additionally, the WHS-V7-SD model includes vacuum cups and small device adapters, offering precision handling of die, packages, optics, and



WATCH VIDEO



other small components. This compatibility with all WHS vacuum wand tips and adapters ensures adaptability for a wide range of applications.

With a high-performance battery providing over 20 hours of continuous runtime per charge, the WHS-V7 is optimized for extended use in cleanroom environments. The system features a normally open vacuum flow with an auto-on pick-up feature allowing for instant operation when removed from its holder, while an automatic shutoff saves energy when the tool is not in use.

The advanced H14 HEPA filter captures 99.99% of 0.3µm particles, ensuring contamination control in ISO 3 (FS209E Class 1) cleanroom standards. The WHS-V7's ESD-safe design, ergonomic construction, and universal power compatibility make it an ideal solution for full-

scale production wafer handling and small device applications. Manufactured in an ISO9001-certified and CE-certified environment, the WHS-V7 sets the standard for high-performance vacuum wands in demanding production settings.

FEATURES AND ADVANTAGES

- 800 mBar (23.6" Hg) vacuum for demanding wafer handling
- Portable and self-contained for full mobility
- Models for 200mm, 300mm wafers, and small device handling
- Over 20 hours of continuous battery use with auto-on/off
- H14 HEPA filter captures 99.99% of 0.3µm particles, ISO 3

TABLETOP PORTABLE VACUUM WAND

ITEM	SPECIFICATIONS
Models	Small Device
Material, wand	Antistatic polycarbonate
Material, base	Antistatic polycarbonate
Material, vacuum tip	PEEK - polyetheretherketone
Battery type	LiFePO4 Lithium Iron Phosphate
Cleanliness	ISO 3 (Class 1 FS209E)



ORDERING INFORMATION

WHS-V7-	SD
CODE	MODEL
SD	Portable vacuum wand assembly tabletop, small device including: WHS-V5-SD and WHS-V8-NBKIT

WHS - WAFER HANDLING SYSTEMS

We fully understand the extreme care it takes to produce semiconductors on a large scale. With decades of experience delivering tools that not only work but last in a cleanroom environment and a full set of thoughtfully designed products, WHS makes handling your substrates safer, cost-effective, and worry-free.

FORM FOLLOWING FUNCTION

Choosing the right products for your wafer handling is a high stakes decision. At WHS, we don't take that lightly. For that reason, every product we offer is developed with a function-first perspective. In short: "looks nice" always follows after "works perfectly".

KEEPING IT SIMPLE

Our main drive is simple: WHS aims to fully satisfy the tool operator and equipment engineer. That's why our essential handling tools - from vacuum wands to fully automated bulk wafer transfer tools – are always developed to the highest standards and with thorough understanding of their use. We manufacture with top cleanroom compatible materials ensuring a long life and solid performance.

MAKING A MARK

At WHS, we are into doing what we do better every day. This means we are constantly working on improvements, while never losing sight of how our products are used and what changes we must make to stay current with advancing technologies.

Everything we do, we do with only one end goal in mind: *Making Wafer Handling Systems your preferred source for substrate handling.*

WHS DISTRIBUTION CHANNEL TELEPHONE CONTACTS:

SPS EUROPE B.V.
Midden Engweg 41
NL-3882 TS Putten
The Netherlands
T (+31) 341 360 590

SPS GERMANY (INGOLSTADT)
Ferdinand-Braun-Straße 16
D-85053 Ingolstadt
Germany
T (+49) 841 370 530

SPS-GERMANY (HAMBURG)
Gaußstraße 5
D-22765 Hamburg
Germany
T (+49) 171 26 29 173

SPS-GERMANY (DRESDEN)
Wiener Str. 128
D-01219 Dresden
Germany
T (+49) 151 21 80 7770

SPS FRANCE
40, rue Condorcet
38090 Vaulx-Milieu
France
T (+33) 4 58 17 12 83

SPS ITALY
Via Pietro Mascagni 31
20122 Milano
Italy
T (+39) 3 457 357 177

SPS UNITED KINGDOM
49 Jamaica Street
Liverpool, L1 0AH
United Kingdom
T (+44) 1750 725 712

SPS JAPAN
Tokyo
Japan
T (+81) 808 755 2098

SPS AMERICA - WEST
16064 SE Engert Ridge Dr
Damascus Oregon 97089
USA
T (+1) 503 502 5722

SPS AMERICA - EAST
Boston, Massachusetts
USA
T (+1) 781 799 8047

SPS ASIA
10 Ubi Crescent
Ubi Techpark Lobby B, #06-18
Singapore 408564
T (+65) 911 30 172