

VACUUM PICK-UP TOOLS AND ACCESSORIES

Complete Program pages 56 to 77



PEN-VAC® ORIGINAL

Self Contained Vacuum Handling Tools

Blue Anodized Finish.

With Storage Compartment. Ideal for Picking up Small Flat Parts up to 200 Grams.

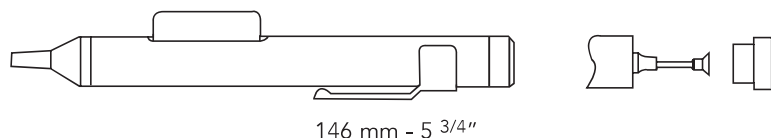
With High Temperature BLUE Silicone Cups, Can Handle up to 250°C / 480°F



Switzerland

V8901

-Without Probe+Cup



146 mm - 5 3/4"

V8901-L

With 2 Probes+Cups

-1ea V8906-LB

Bent Probe+Cup Ø 9.53 mm - 3/8"

-1ea V8906-LS

Straight Probe+Cup Ø 9.53 mm - 3/8"

V8901-M

With 2 Probes+Cups

-1ea V8906-MB

Bent Probe+Cup Ø 6.35 mm - 1/4"

-1ea V8906-MS

Straight Probe+Cup Ø 6.35 mm - 1/4"

V8901-S

With 2 Probes+Cups

-1ea V8906-SB

Bent Probe+Cup Ø 3.18 mm - 1/8"

-1ea V8906-SS

Straight Probe+Cup Ø 3.18 mm - 1/8"

V8901-A

With 4 Probes+Cups

-1ea V8906-LB

Bent Probe+Cup Ø 9.53 mm - 3/8"

-1ea V8906-MB

Bent Probe+Cup Ø 6.35 mm - 1/4"

-1ea V8906-MS

Straight Probe+Cup Ø 6.35 mm - 1/4"

-1ea V8906-SB

Bent Probe+Cup Ø 3.18 mm - 1/8"

V8901-LMS

With 6 Probes+Cups

-1ea V8906-LB

Bent Probe+Cup Ø 9.53 mm - 3/8"

-1ea V8906-LS

Straight Probe+Cup Ø 9.53 mm - 3/8"

-1ea V8906-MB

Bent Probe+Cup Ø 6.35 mm - 1/4"

-1ea V8906-MS

Straight Probe+Cup Ø 6.35 mm - 1/4"

-1ea V8906-SB

Bent Probe+Cup Ø 3.18 mm - 1/8"

-1ea V8906-SS

Straight Probe+Cup Ø 3.18 mm - 1/8"

V8901-LMS-D

See Page 62



PEN-VAC® ORIGINAL ESD SAFE

Self Contained Vacuum Handling Tools

Clear Aluminum Finish.

With Storage Compartment. Ideal for Picking up Small Flat Parts up to 200 Grams.

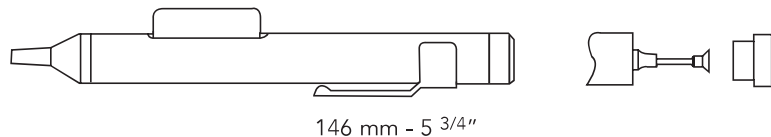
With High Temperature BLACK ESD Silicone Cups, Can Handle up to 230°C / 445°F



Switzerland

V8901-ESD

-Without Probe + Cup



V8901-L-ESD

With 2 Probes+Cups

-1ea V8904-LB

Bent Probe+Cup Ø 9.53 mm – 3/8"

-1ea V8904-LS

Straight Probe+Cup Ø 9.53 mm – 3/8"

V8901-M-ESD

With 2 Probes+Cups

-1ea V8904-MB

Bent Probe+Cup Ø 6.35 mm – 1/4"

-1ea V8904-MS

Straight Probe+Cup Ø 6.35 mm – 1/4"

V8901-S-ESD

With 2 Probes+Cups

-1ea V8904-SB

Bent Probe+Cup Ø 3.18 mm – 1/8"

-1ea V8904-SS

Straight Probe+Cup Ø 3.18 mm – 1/8"

V8901-A-ESD

With 4 Probes+Cups

-1ea V8904-LB

Bent Probe+Cup Ø 9.53 mm – 3/8"

-1ea V8904-MB

Bent Probe+Cup Ø 6.35 mm – 1/4"

-1ea V8904-MS

Straight Probe+Cup Ø 6.35 mm – 1/4"

-1ea V8904-SB

Bent Probe+Cup Ø 3.18 mm – 1/8"

V8901-LMS-ESD

With 6 Probes+Cups

-1ea V8904-LB

Bent Probe+Cup Ø 9.53 mm – 3/8"

-1ea V8904-LS

Straight Probe+Cup Ø 9.53 mm – 3/8"

-1ea V8904-MB

Bent Probe+Cup Ø 6.35 mm – 1/4"

-1ea V8904-MS

Straight Probe+Cup Ø 6.35 mm – 1/4"

-1ea V8904-SB

Bent Probe+Cup Ø 3.18 mm – 1/8"

-1ea V8904-SS

Straight Probe+Cup Ø 3.18 mm – 1/8"

V8901-LMS-D-ESD

See Page 62



PEN-VAC® JUNIOR

Self Contained Vacuum Handling Tools



Switzerland

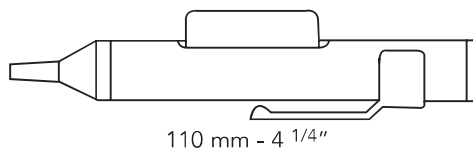
Red Anodized Finish.

No Storage Compartment. Ideal for Picking up Small Flat Parts up to 200 Grams.

With High Temperature RED Silicone Cups, Can Handle up to 250°C / 480°F

V8920

-Without Probe+Cup



V8920-L

With 2 Probes+Cups

-1ea V8902-LB

Bent Probe+Cup Ø 9.53 mm – 3/8"

-1ea V8902-LS

Straight Probe+Cup Ø 9.53 mm – 3/8"

V8920-M

With 2 Probes+Cups

-1ea V8902-MB

Bent Probe+Cup Ø 6.35 mm – 1/4"

-1ea V8902-MS

Straight Probe+Cup Ø 6.35 mm – 1/4"

V8920-S

With 2 Probes+Cups

-1ea V8902-SB

Bent Probe+Cup Ø 3.18 mm – 1/8"

-1ea V8902-SS

Straight Probe+Cup Ø 3.18 mm – 1/8"

V8920-A

With 4 Probes+Cups

-1ea V8902-LB

Bent Probe+Cup Ø 9.53 mm – 3/8"

-1ea V8902-MB

Bent Probe+Cup Ø 6.35 mm – 1/4"

-1ea V8902-MS

Straight Probe+Cup Ø 6.35 mm – 1/4"

-1ea V8902-SB

Bent Probe+Cup Ø 3.18 mm – 1/8"

V8920-LMS

With 6 Probes+Cups

-1ea V8902-LB

Bent Probe+Cup Ø 9.53 mm – 3/8"

-1ea V8902-LS

Straight Probe+Cup Ø 9.53 mm – 3/8"

-1ea V8902-MB

Bent Probe+Cup Ø 6.35 mm – 1/4"

-1ea V8902-MS

Straight Probe+Cup Ø 6.35 mm – 1/4"

-1ea V8902-SB

Bent Probe+Cup Ø 3.18 mm – 1/8"

-1ea V8902-SS

Straight Probe+Cup Ø 3.18 mm – 1/8"

V8920-LMS-D

See Page 62



PEN-VAC® JUNIOR ESD SAFE

Self Contained Vacuum Handling Tools

Clear Aluminum Finish.

No Storage Compartment. Ideal for Picking up Small Flat Parts up to 200 Grams.

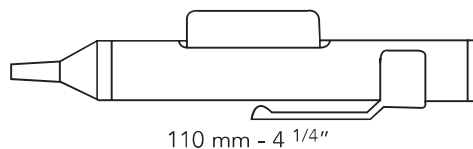
With High Temperature BLACK ESD Silicone Cups, Can Handle up to 230°C / 445°F



Switzerland

V8920-ESD

-Without Probe+Cup



110 mm - 4 1/4"

V8920-L-ESD

With 2 Probes+Cups

-1ea V8904-LB

Bent Probe+Cup Ø 9.53 mm - 3/8"

-1ea V8904-LS

Straight Probe+Cup Ø 9.53 mm - 3/8"

V8920-M-ESD

With 2 Probes+Cups

-1ea V8904-MB

Bent Probe+Cup Ø 6.35 mm - 1/4"

-1ea V8904-MS

Straight Probe+Cup Ø 6.35 mm - 1/4"

V8920-S-ESD

With 2 Probes+Cups

-1ea V8904-SB

Bent Probe+Cup Ø 3.18 mm - 1/8"

-1ea V8904-SS

Straight Probe+Cup Ø 3.18 mm - 1/8"

V8920-A-ESD

With 4 Probes+Cups

-1ea V8904-LB

Bent Probe+Cup Ø 9.53 mm - 3/8"

-1ea V8904-MB

Bent Probe+Cup Ø 6.35 mm - 1/4"

-1ea V8904-MS

Straight Probe+Cup Ø 6.35 mm - 1/4"

-1ea V8904-SB

Bent Probe+Cup Ø 3.18 mm - 1/8"

V8920-LMS-ESD

With 6 Probes+Cups

-1ea V8904-LB

Bent Probe+Cup Ø 9.53 mm - 3/8"

-1ea V8904-LS

Straight Probe+Cup Ø 9.53 mm - 3/8"

-1ea V8904-MB

Bent Probe+Cup Ø 6.35 mm - 1/4"

-1ea V8904-MS

Straight Probe+Cup Ø 6.35 mm - 1/4"

-1ea V8904-SB

Bent Probe+Cup Ø 3.18 mm - 1/8"

-1ea V8904-SS

Straight Probe+Cup Ø 3.18 mm - 1/8"

V8920-LMS-D-ESD

See Page 62



PEN-VAC® JUNIOR-E

New Generation

Self Contained Vacuum Handling Tools

Red Anodized Finish.

No Storage Compartment. Ideal for Picking up Small Flat Parts up to 200 Grams.

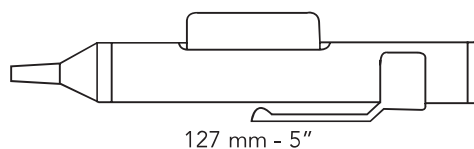
With High Temperature RED Silicone Cups, Can Handle up to 250°C / 480°F



Switzerland

V8920E

-Without Probe+Cup



127 mm - 5"

V8920E-L

With 2 Probes+Cups

-1ea V8902-LB

Bent Probe+Cup Ø 9.53 mm - 3/8"

-1ea V8902-LS

Straight Probe+Cup Ø 9.53 mm - 3/8"

V8920E-M

With 2 Probes +9 Cups

-1ea V8902-MB

Bent Probe+Cup Ø 6.35 mm - 1/4"

-1ea V8902-MS

Straight Probe+Cup Ø 6.35 mm - 1/4"

V8920E-S

With 2 Probes+Cups

-1ea V8902-SB

Bent Probe+Cup Ø 3.18 mm - 1/8"

-1ea V8902-SS

Straight Probe+Cup Ø 3.18 mm - 1/8"

V8920E-A

With 4 Probes+Cups

-1ea V8902-LB

Bent Probe+Cup Ø 9.53 mm - 3/8"

-1ea V8902-MB

Bent Probe+Cup Ø 6.35 mm - 1/4"

-1ea V8902-MS

Straight Probe+Cup Ø 6.35 mm - 1/4"

-1ea V8902-SB

Bent Probe+Cup Ø 3.18 mm - 1/8"

V8920E-LMS

With 6 Probes+Cups

-1ea V8902-LB

Bent Probe+Cup Ø 9.53 mm - 3/8"

-1ea V8902-LS

Straight Probe+Cup Ø 9.53 mm - 3/8"

-1ea V8902-MB

Bent Probe+Cup Ø 6.35 mm - 1/4"

-1ea V8902-MS

Straight Probe+Cup Ø 6.35 mm - 1/4"

-1ea V8902-SB

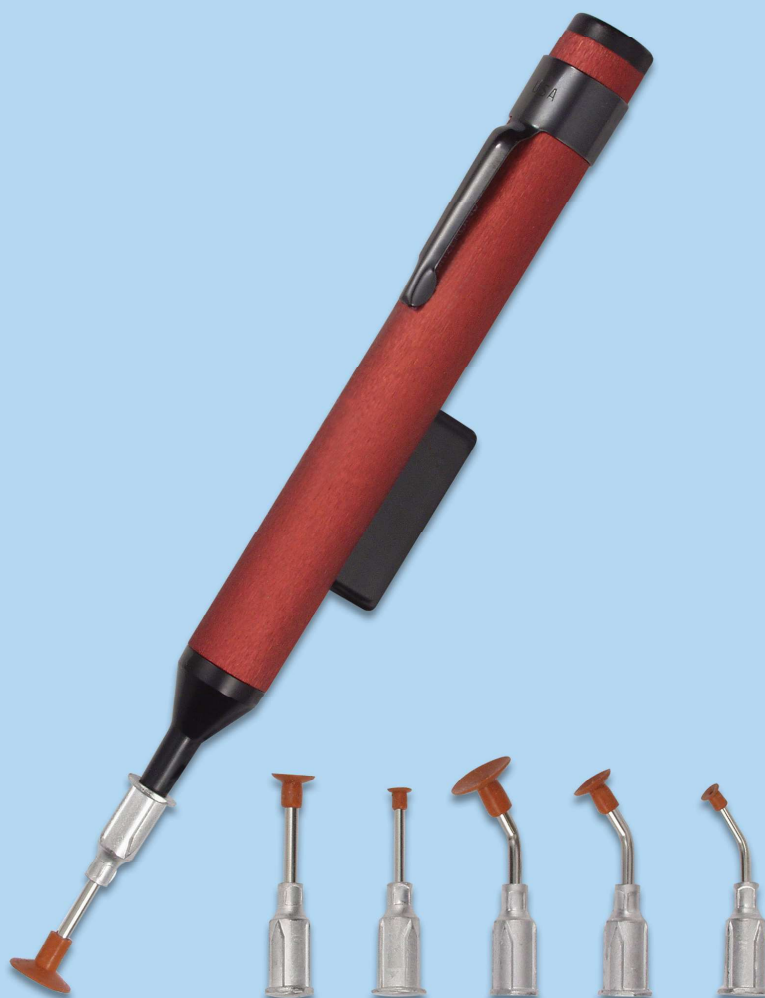
Bent Probe+Cup Ø 3.18 mm - 1/8"

-1ea V8902-SS

Straight Probe+Cup Ø 3.18 mm - 1/8"

V8920E-LMS-D

See Page 62



PEN-VAC® JUNIOR-E ESD SAFE

New Generation. Self Contained Vacuum Handling Tools.

Clear Aluminum Finish.

No Storage Compartment. Ideal for Picking up Small Flat Parts up to 200 Grams.

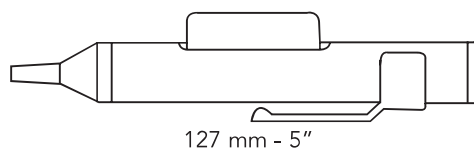
With High Temperature BLACK ESD Silicone Cups, Can Handle up to 230°C / 445°F



Switzerland

V8920E-ESD

-Without Probe+Cup



127 mm - 5"

V8920E-L-ESD

With 2 Probes+Cups

-1ea V8904-LB

Bent Probe+Cup Ø 9.53 mm - 3/8"

-1ea V8904-LS

Straight Probe+Cup Ø 9.53 mm - 3/8"

V8920E-M-ESD

With 2 Probes+Cups

-1ea V8904-MB

Bent Probe+Cup Ø 6.35 mm - 1/4"

-1ea V8904-MS

Straight Probe+Cup Ø 6.35 mm - 1/4"

V8920E-S-ESD

With 2 Probes+Cups

-1ea V8904-SB

Bent Probe+Cup Ø 3.18 mm - 1/8"

-1ea V8904-SS

Straight Probe+Cup Ø 3.18 mm - 1/8"

V8920E-A-ESD

With 4 Probes+Cups

-1ea V8904-LB

Bent Probe+Cup Ø 9.53 mm - 3/8"

-1ea V8904-MB

Bent Probe+Cup Ø 6.35 mm - 1/4"

-1ea V8904-MS

Straight Probe+Cup Ø 6.35 mm - 1/4"

-1ea V8904-SB

Bent Probe+Cup Ø 3.18 mm - 1/8"

V8920E-LMS-ESD

With 6 Probes+Cups

-1ea V8904-LB

Bent Probe+Cup Ø 9.53 mm - 3/8"

-1ea V8904-LS

Straight Probe+Cup Ø 9.53 mm - 3/8"

-1ea V8904-MB

Bent Probe+Cup Ø 6.35 mm - 1/4"

-1ea V8904-MS

Straight Probe+Cup Ø 6.35 mm - 1/4"

-1ea V8904-SB

Bent Probe+Cup Ø 3.18 mm - 1/8"

-1ea V8904-SS

Straight Probe+Cup Ø 3.18 mm - 1/8"

V8920E-LMS-D-ESD

See Page 62



PEN-VAC® ORIGINAL, JUNIOR AND JUNIOR-E DELUXE PACKAGING



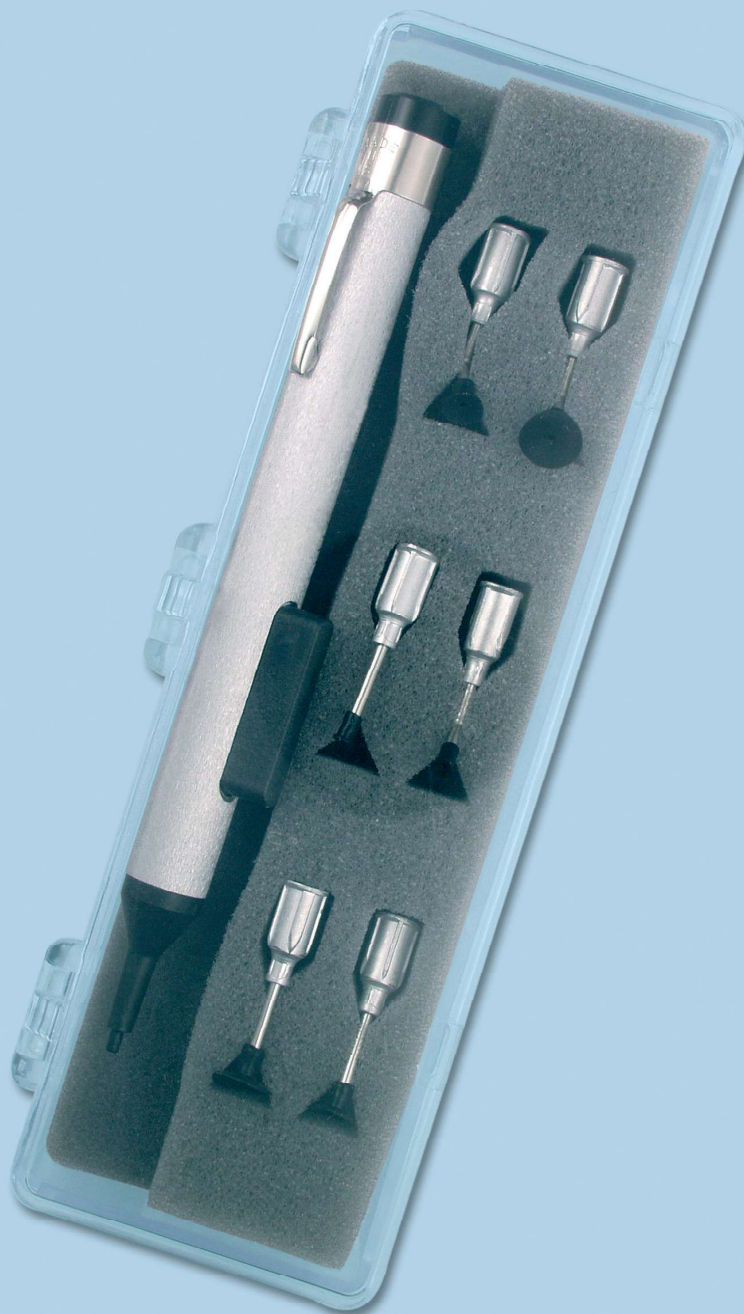
Hard Clear Plastic Box with Foam Location for Each Item

V8901-LMS-D Blue Anodized Finish
With 6 Probes+Cups
-1ea V8906-LB
Bent Probe+Cup Ø 9.53 mm – 3/8"
-1ea V8906-LS
Straight Probe+Cup Ø 9.53 mm – 3/8"
-1ea V8906-MB
Bent Probe+Cup Ø 6.35 mm – 1/4"
-1ea V8906-MS
Straight Probe+Cup Ø 6.35 mm – 1/4"
-1ea V8906-SB
Bent Probe+Cup Ø 3.18 mm – 1/8"
-1ea V8906-SS
Straight Probe+Cup Ø 3.18 mm – 1/8"

V8901-LMS-D-ESD Clear Aluminum Finish
With 6 Probes+Cups
-1ea V8904-LB
Bent Probe+Cup Ø 9.53 mm – 3/8"
-1ea V8904-LS
Straight Probe+Cup Ø 9.53 mm – 3/8"
-1ea V8904-MB
Bent Probe+Cup Ø 6.35 mm – 1/4"
-1ea V8904-MS
Straight Probe+Cup Ø 6.35 mm – 1/4"
-1ea V8904-SB
Bent Probe+Cup Ø 3.18 mm – 1/8"
-1ea V8904-SS
Straight Probe+Cup Ø 3.18 mm – 1/8"

V8920E-LMS-D Red Anodized Finish
V8920-LMS-D
With 6 Probes+Cups
-1ea V8902-LB
Bent Probe+Cup Ø 9.53 mm – 3/8"
-1ea V8902-LS
Straight Probe+Cup Ø 9.53 mm – 3/8"
-1ea V8902-MB
Bent Probe+Cup Ø 6.35 mm – 1/4"
-1ea V8902-MS
Straight Probe+Cup Ø 6.35 mm – 1/4"
-1ea V8902-SB
Bent Probe+Cup Ø 3.18 mm – 1/8"
-1ea V8902-SS
Straight Probe+Cup Ø 3.18 mm – 1/8"

V8920E-LMS-D-ESD
V8920-LMS-D-ESD Clear Aluminium Finish
With 6 Probes+Cups
-1ea V8904-LB
Bent Probe+Cup Ø 9.53 mm – 3/8"
-1ea V8904-LS
Straight Probe+Cup Ø 9.53 mm – 3/8"
-1ea V8904-MB
Bent Probe+Cup Ø 6.35 mm – 1/4"
-1ea V8904-MS
Straight Probe+Cup Ø 6.35 mm – 1/4"
-1ea V8904-SB
Bent Probe+Cup Ø 3.18 mm – 1/8"
-1ea V8904-SS
Straight Probe+Cup Ø 3.18 mm – 1/8"



PEN-VAC® PRO SERIES

Self Contained Vacuum Handling Tools



Black or Grey Light Weight ESD Safe Plastic

High Temperature BLACK ESD Silicone Cups or Static Dissipative BLACK BUNA-N Cups

V8910-9BK-ESD 127 mm - 5"

-Black Body

With 4 Probes+Cups

-1ea V8904-LB

Bent Probe+Cup Ø 9.53 mm - 3/8"

-1ea V8904-MB

Bent Probe+Cup Ø 6.35 mm - 1/4"

-1ea V8904-MS

Straight Probe+Cup Ø 6.35 mm - 1/4"

-1ea V8904-SB

Bent Probe+Cup Ø 3.18 mm - 1/8"

Available Also in Version:

V8910-9BK-B Black Buna-N Static

Dissipative Non-Marking Material

V8910-BK-X-ESD Without Probes and Cups



V8910-9GR-ESD 127 mm - 5"

-Grey Body

With 4 Probes+Cups

-1ea V8904-LB

Bent Probe+Cup Ø 9.53 mm - 3/8"

-1ea V8904-MB

Bent Probe+Cup Ø 6.35 mm - 1/4"

-1ea V8904-MS

Straight Probe+Cup Ø 6.35 mm - 1/4"

-1ea V8904-SB

Bent Probe+Cup Ø 3.18 mm - 1/8"

Available Also in Version:

V8910-9GR-B Black Buna-N Static

Dissipative Non-Marking Material

V8910-GR-X-ESD Without Probes and Cups



SLIM-VAC®

Self Contained Vacuum Handling Tools

V9501-ESD 118 mm - 4 5/8"

With 4 Probes+Cups

-1ea V8904-LS

Straight Probe+Cup Ø 9.53 mm - 3/8"

-1ea V8904-MB

Bent Probe+Cup Ø 6.35 mm - 1/4"

-1ea V8904-SB

Bent Probe+Cup Ø 3.18 mm - 1/8"

-1ea V8904-SS

Straight Probe+Cup Ø 3.18 mm - 1/8"

Available Also in Version:

V9501-B Black Buna-N Static

Dissipative Non-Marking Material

V9501-X-ESD Without Probes and Cups



VACULA®

HP 300-ESD

PINCH-VAC® ESD SAFE

New Self Contained Vacuum Handling Tools ESD Safe Slim Body
With Top Plunger

Easily Handles up to 500 Grams

Low Cost Vacuum Tool



VACULA® VC-1-ESD

140 mm – 5 1/2"

With 3 Probes+Cups

-1ea V8904-HS

Straight Probe+Cup Ø12.70mm–1/2"

-1ea V8904-LS

Straight Probe+Cup Ø 9.53 mm–3/8"

-1ea V8904-MS

Straight Probe+Cup Ø 6.35 mm–1/4"

Available Also in Version:

VC-1-B Black Buna-N Static

Dissipative Non-Marking Material

VC-1-X Without Probes and Cups



VACULA® VC-2-ESD

135 mm – 5 1/4"

With 2 Cups Only

-1 ea V9062-ESD Ø 15.88 mm – 5/8"

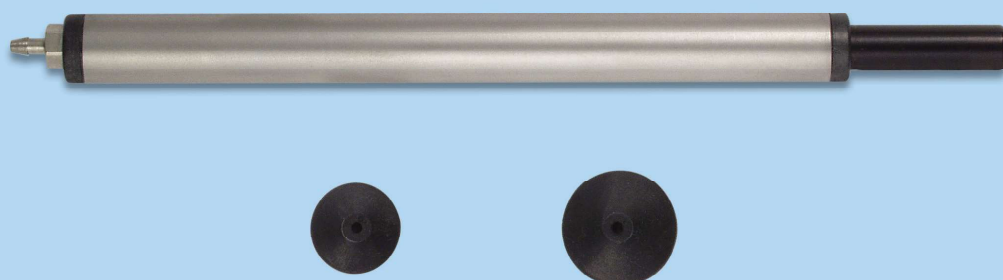
-1 ea V9050-ESD Ø 12.70 mm – 1/2"

Available Also in Version:

VC-2-B Black Buna-N Static

Dissipative Non-Marking Material

VC-2-X Without Cups



HP 300-ESD

120 mm – 4 3/4"

ESD Safe High Power Vacuum

Tool for Large Component

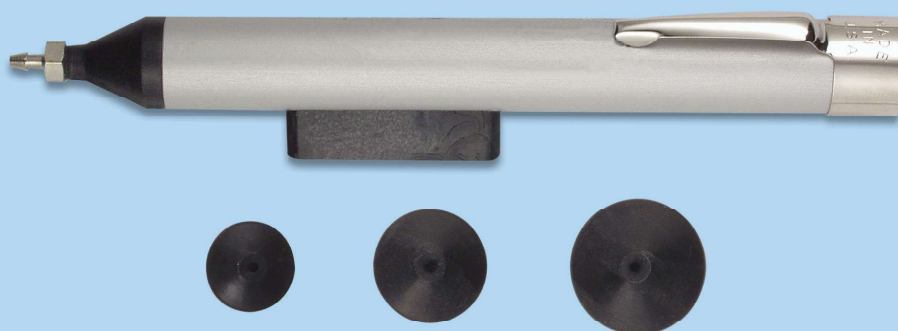
Easily Lifts up to 500 grams

With 3 Cups Only

-1 ea V9075-ESD Ø 19.05 mm – 3/4"

-1 ea V9062-ESD Ø 15.88 mm – 5/8"

-1 ea V9050-ESD Ø 12.70 mm – 1/2"



PINCH-VAC® ESD SAFE VPV-6-ESD

125 mm – 4 7/8"

With 2 Probes + Cups

-1 ea V8904-LS

Straight Probe+Cup Ø 9.53mm –3/8"

-1 ea V8904-MB

Bent Probe+Cup Ø 6.35 mm –1/4"

+ 1 Cup Only V9013-ESD

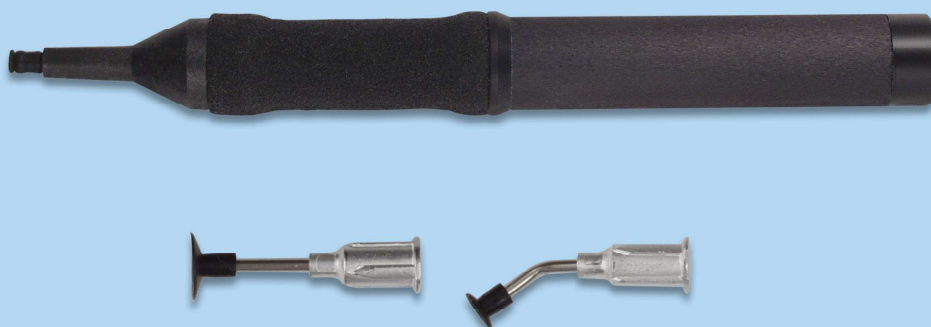
Ø3.18mm–1/8"

Available Also in Version:

VPV-6-B Black Buna-N Static

Dissipative Non-Marking Material

VPV-6-X Without Probes and Cups



LOW COST ESD SAFE VACUUM HANDLING TOOLS



HANDY-VAC®

HV-X-ESD (body only-no cup) 70 mm – 2³/₄"



HANDY-VAC®

HV-013-ESD (cup only Ø 3.18mm – 1/8")
HV-025-ESD (cup only Ø 6.35mm – 1/4")
HV-038-ESD (cup only Ø 9.53mm – 3/8")
HV-050-ESD (cup only Ø 12.70mm – 1/2")
HV-062-ESD (cup only Ø 15.88mm – 5/8")
HV-075-ESD (cup only Ø 19.05mm – 3/4")



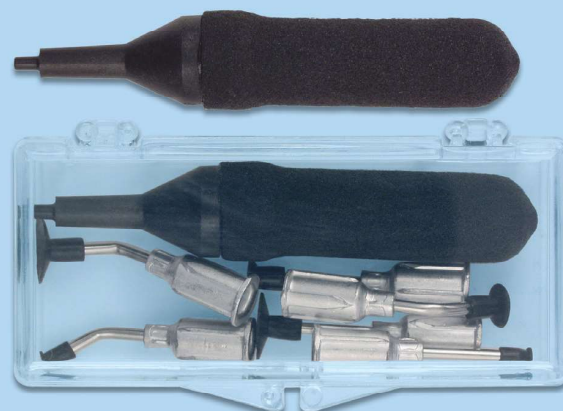
HANDY-VAC®

HV-SB-ESD (Bent Probe+Cup Ø 3.18mm – 1/8")
HV-SS-ESD (Straight Probe+Cup Ø 3.18mm – 1/8")
HV-MB-ESD (Bent Probe+Cup Ø 6.35mm – 1/4")
HV-MS-ESD (Straight Probe+Cup Ø 6.35mm – 1/4")
HV-LB-ESD (Bent Probe+Cup Ø 9.53mm – 3/8")
HV-LS-ESD (Straight Probe+Cup Ø 9.53mm – 3/8")
HV-HB-ESD (Bent Probe+Cup Ø 12.70mm – 1/2")
HV-HS-ESD (Straight Probe+Cup Ø 12.70mm – 1/2")
HV-JB-ESD (Bent Probe+Cup Ø 15.88mm – 5/8")
HV-JS-ESD (Straight Probe+Cup Ø 15.88mm – 5/8")
HV-KB-ESD (Bent Probe+Cup Ø 19.05mm – 3/4")
HV-KS-ESD (Straight Probe+Cup Ø 19.05mm – 3/4")



HANDY-VAC® DELUXE KIT

HV-4-ESD (4 probes and cups)
V8904-LB/MB/MS/SB
HV-6-ESD (6 probes and cups)
V8904-LB/LS/MB/MS/SB/SS
HV-4-B (4 Probes and Black Buna-N Cups)
V8903-LB/MB/MS/SB
HV-6-B (6 probes and Black Buna-N Cups)
V8903-LB/LS/MB/MS/SB/SS



BULB-VAC

BVJ-X-ESD (without cup) 90 mm – 3¹/₂"

BVJ-025-ESD (cup Ø 6.35mm – 1/4")
BVJ-038-ESD (cup Ø 9.53mm – 3/8")
BVJ-050-ESD (cup Ø 12.70mm – 1/2")
BVJ-062-ESD (cup Ø 15.88mm – 5/8")
BVJ-075-ESD (cup Ø 19.05mm – 3/4")
BVJ-025-B (Black Buna cup Ø 6.35mm – 1/4")
BVJ-038-B (Black Buna cup Ø 9.53mm – 3/8")
BVJ-050-B (Black Buna cup Ø 12.70mm – 1/2")
BVJ-062-B (Black Buna cup Ø 15.88mm – 5/8")
BVJ-075-B (Black Buna cup Ø 19.05mm – 3/4")



VACUUM CUPS

ESD Safe and NON ESD Safe
Wide Selection of Materials and Sizes



V9009

Ø 2.38mm – 3/32"



V9013

Ø 3.18mm – 1/8"



V9018

Ø 4.76mm – 3/16"



V9025

Ø 6.35mm – 1/4"



V9038

Ø 9.53mm – 3/8"



V9050

Ø 12.70mm – 1/2"



V9062

Ø 15.88mm – 5/8"



V9075

Ø 19.05mm – 3/4"

Available in Following Materials. Add Suffix:

- R** **RED** High-Temperature Silicone Cups (up to 480°F / 250°C)
- B** **BLACK BUNA-N** Static Dissipative Non-Marking Cups (up to 250°F / 120°C)
- ESD** **BLACK ESD** High Temperature Safe Silicone Cups. See Above (up to 445°F / 230°C)
- W** **WHITE** Silicone Cups (up to 480°F / 250°C)
- U** **BLUE** High Temperature Silicone Cups (up to 480°F / 250°C)
- C** **CLEAR** High Temperature Silicone Cups (up to 480°F / 250°C)

NEW TEFLON VACUUM CUPS, ANTI-STATIC

Semi-Rigid. For Handling Contamination Sensitive Parts. Ideal for Optics. No Residue.
Temperature up to 500°F / 260°C. For Continuous Vacuum only.



VTC9013

Ø 3.18mm – 1/8"



VTC9018

Ø 4.76mm – 3/16"



VTC9025

Ø 6.35mm – 1/4"



VTC9038

Ø 9.53mm – 3/8"



VTC9050

Ø 12.70mm – 1/2"



VTC9062

Ø 15.88mm – 5/8"



VTC9075

Ø 19.05mm – 3/4"

VACUUM CUPS

WITH 12.70mm – 1/2" PROBE

Wide Selection of Materials and Sizes



V8904- Series: High Temperature **BLACK** ESD Safe Silicone Cup



Available in Following Materials, With 12.70mm - 1/2" Probe:

- V8902- RED** High-temperature Silicone cups (up to 250°C / 480°F)
- V8903- BLACK BUNA-N** Static Dissipative Non-Marking Cups (up to 120°C / 250°F)
- V8904- BLACK** High Temperature ESD Safe Silicone Cups. See Above (up to 230°C / 445°F)
- V8905- WHITE** Silicone Cups (up to 250°C / 480°F)
- V8906- BLUE** High Temperature Silicone Cups (up to 250°C / 480°F)
- V8907- CLEAR** High Temperature Silicone Cups (up to 250°C / 480°F)

Add Suffix:

- DB** to order with the 2.38mm – 3/32" Ø Cup and **45° Bent** Probe
- DS** to order with the 2.38mm – 3/32" Ø Cup and **Straight** Probe
- SB** to order with the 3.18mm – 1/8" Ø Cup and **45° Bent** Probe
- SS** to order with the 3.18mm – 1/8" Ø Cup and **Straight** Probe
- PB** to order with the 4.76mm – 3/16" Ø Cup and **45° Bent** Probe
- PS** to order with the 4.76mm – 3/16" Ø Cup and **Straight** Probe
- MB** to order with the 6.35mm – 1/4" Ø Cup and **45° Bent** Probe
- MS** to order with the 6.35mm – 1/4" Ø Cup and **Straight** Probe
- LB** to order with the 9.53mm – 3/8" Ø Cup and **45° Bent** Probe
- LS** to order with the 9.53mm – 3/8" Ø Cup and **Straight** Probe
- HB** to order with the 12.70mm – 1/2" Ø Cup and **45° Bent** Probe
- HS** to order with the 12.70mm – 1/2" Ø Cup and **Straight** Probe
- JB** to order with the 15.88mm – 5/8" Ø Cup and **45° Bent** Probe
- JS** to order with the 15.88mm – 5/8" Ø Cup and **Straight** Probe
- KB** to order with the 19.05mm – 3/4" Ø Cup and **45° Bent** Probe
- KS** to order with the 19.05mm – 3/4" Ø Cup and **Straight** Probe

VACUUM CUPS

WITH 25.40mm – 1" PROBE

Wide Selection of Materials and Sizes



V8914- Series: High Temperature BLACK ESD Safe Silicone Cup



Available in Following Materials, With 25.40mm - 1" Probe:

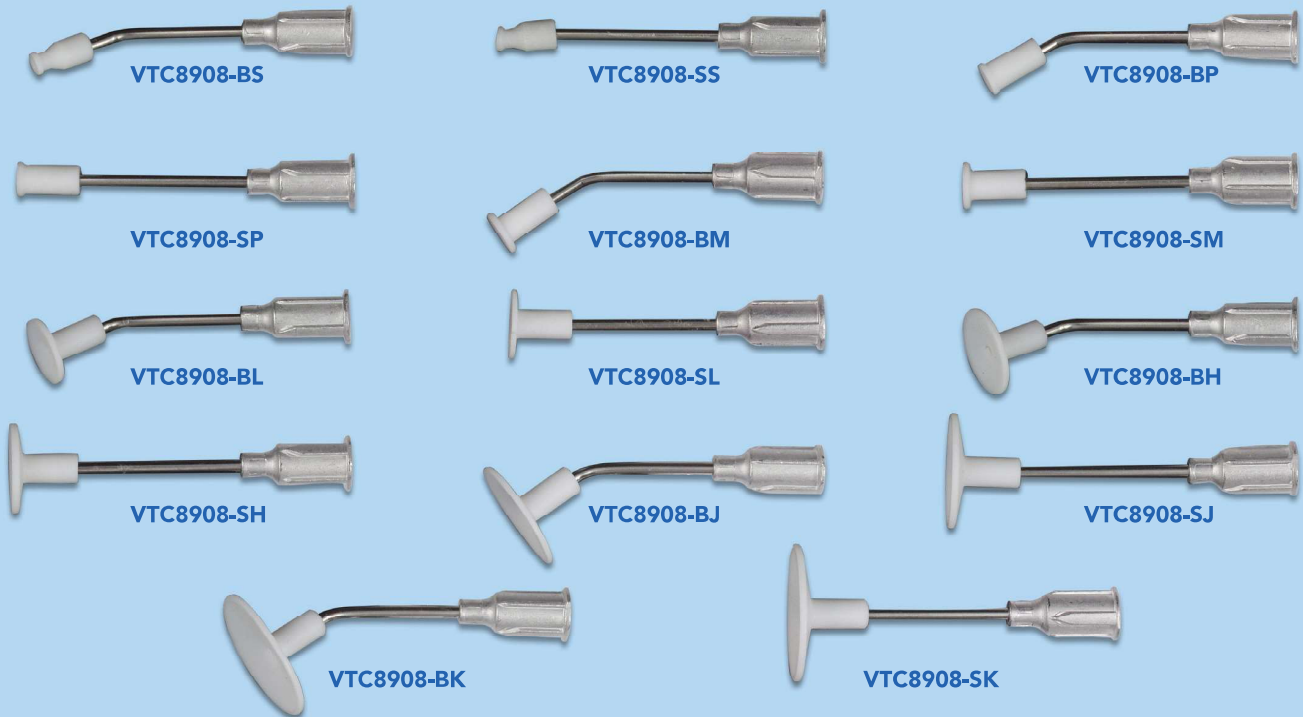
- V8912- RED** High-temperature Silicone cups (up to 250°C / 480°F)
- V8913- BLACK BUNA-N** Static Dissipative Non-Marking Cups (up to 120°C / 250°F)
- V8914- BLACK** High Temperature ESD Safe Silicone Cups. See Above (up to 230°C / 445°F)
- V8915- WHITE** Silicone Cups (up to 250°C / 480°F)
- V8916- BLUE** High Temperature Silicone Cups (up to 250°C / 480°F)
- V8917- CLEAR** High Temperature Silicone Cups (up to 250°C / 480°F)

Add Suffix:

- DB** to order with the 2.38mm – 3/32" Ø Cup and **45° Bent** Probe
- DS** to order with the 2.38mm – 3/32" Ø Cup and **Straight** Probe
- SB** to order with the 3.18mm – 1/8" Ø Cup and **45° Bent** Probe
- SS** to order with the 3.18mm – 1/8" Ø Cup and **Straight** Probe
- PB** to order with the 4.76mm – 3/16" Ø Cup and **45° Bent** Probe
- PS** to order with the 4.76mm – 3/16" Ø Cup and **Straight** Probe
- MB** to order with the 6.35mm – 1/4" Ø Cup and **45° Bent** Probe
- MS** to order with the 6.35mm – 1/4" Ø Cup and **Straight** Probe
- LB** to order with the 9.53mm – 3/8" Ø Cup and **45° Bent** Probe
- LS** to order with the 9.53mm – 3/8" Ø Cup and **Straight** Probe
- HB** to order with the 12.70mm – 1/2" Ø Cup and **45° Bent** Probe
- HS** to order with the 12.70mm – 1/2" Ø Cup and **Straight** Probe
- JB** to order with the 15.88mm – 5/8" Ø Cup and **45° Bent** Probe
- JS** to order with the 15.88mm – 5/8" Ø Cup and **Straight** Probe
- KB** to order with the 19.05mm – 3/4" Ø Cup and **45° Bent** Probe
- KS** to order with the 19.05mm – 3/4" Ø Cup and **Straight** Probe

To order with 90° bent Probe, Add /90 to the P/N . Example: **V8914-MB/90**

NEW ANTI-STATIC TEFLON VACUUM CUPS VTC 8908 SERIES AVAILABLE WITH 25.40mm – 1" PROBE ONLY



- VTC8908-BS** with 3.18mm – 1/8" Ø Cup and **45° Bent** Probe
- VTC8908-SS** with 3.18mm – 1/8" Ø Cup and **Straight** Probe
- VTC8908-BP** with 4.76mm – 3/16" Ø Cup and **45° Bent** Probe
- VTC8908-SP** with 4.76mm – 3/16" Ø Cup and **Straight** Probe
- VTC8908-BM** with 6.35mm – 1/4" Ø Cup and **45° Bent** Probe
- VTC8908-SM** with 6.35mm – 1/4" Ø Cup and **Straight** Probe
- VTC8908-BL** with 9.53mm – 3/8" Ø Cup and **45° Bent** Probe
- VTC8908-SL** with 9.53mm – 3/8" Ø Cup and **Straight** Probe
- VTC8908-BH** with 12.70mm – 1/2" Ø Cup and **45° Bent** Probe
- VTC8908-SH** with 12.70mm – 1/2" Ø Cup and **Straight** Probe
- VTC8908-BJ** with 15.88mm – 5/8" Ø Cup and **45° Bent** Probe
- VTC8908-SJ** with 15.88mm – 5/8" Ø Cup and **Straight** Probe
- VTC8908-BK** with 19.05mm – 3/4" Ø Cup and **45° Bent** Probe
- VTC8908-SK** with 19.05mm – 3/4" Ø Cup and **Straight** Probe

To order with 90° bent Probe, Add /90 to the P/N . Example: **VTC8908-BM/90**

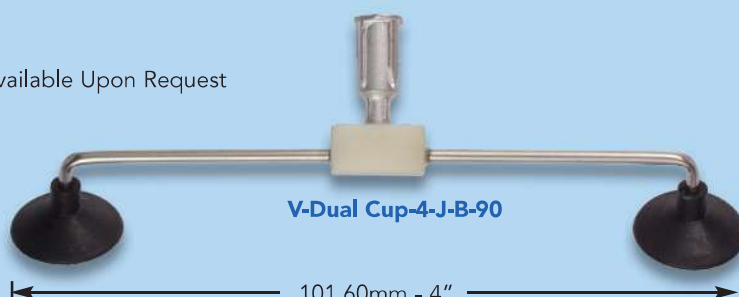
NEW DUAL CUPS

Additional Sizes And Information Upon Request



V-Dual Cup-2-L-B-00
Straight Dual Cup, with 2 Cups
2ea V9038 Black Buna Ø 9.53mm - 3/8"

Other Angle Available Upon Request



V-Dual Cup-4-J-B-90
90° Angle Dual Cup, with 2 Cups
2ea V9062 Black Buna Ø 15.88mm - 5/8"

NEW MICRO VAC TIPS S3950 SERIES AVAILABLE WITH 12.70mm – 1/2" PROBE ONLY

Designed For Continuous Vacuum Tools, for Handling Very Small Parts, such as 0.15 mm - .006"



S3950-B-ESD



S3950-S-ESD



S3951-B-ESD



S3951-S-ESD



S3955-B-ESD



S3955-S-ESD



S3956-B-ESD



S3956-S-ESD

S3950-B... : Outside Ø 0.30mm - .011" - Inside Ø 0.14mm - .006", w / **45° Bent** Probe
S3950-S... : Outside Ø 0.30mm - .011" - Inside Ø 0.14mm - .006", w / **Straight** Probe
S3951-B... : Outside Ø 0.80mm - .031" - Inside Ø 0.50mm - .012", w / **45° Bent** Probe
S3951-S... : Outside Ø 0.80mm - .031" - Inside Ø 0.50mm - .012", w / **Straight** Probe
S3955-B... : Outside Ø 1.00mm - .039" - Inside Ø 0.40mm - .015", w / **45° Bent** Probe
S3955-S... : Outside Ø 1.00mm - .039" - Inside Ø 0.40mm - .015", w / **Straight** Probe
S3956-B... : Outside Ø 1.27mm - .050" - Inside Ø 0.86mm - .034", w / **45° Bent** Probe
S3956-S... : Outside Ø 1.27mm - .050" - Inside Ø 0.86mm - .034", w / **Straight** Probe

Available in Following Materials. Add Suffix:

-ESD **BLACK ESD** Safe Carbon Fibre. See Above (Heat Resistance up to 230°C / 445°F)
-STD **GREY Static** Dissipative Carbon Fibre (Heat Resistance up to 230°C / 445°F)
-W **WHITE** Delrin 500 (up to 230°C / 445°F)

NEW MICRO VAC TIPS VSPT SERIES

AVAILABLE WITH 12.70mm – 1/2" PROBE ONLY

Designed For Continuous Vacuum Tools, for Handling Very Small Parts,
such as 0.152mm - .006"



Available in Following Materials. Add Suffix:

- D** **WHITE DELRIN** Static Dissipative, up to 100°C / 212°F
- B** **BRASS** Conductive, Gold Plated, up to 260°C / 500°F
- T** **TORLON** Non ESD Safe, up to 232°C / 475°F

- VSPT1005-B...** : Outside Ø 0.25mm - .010" - Inside Ø 0.13mm - .005", w / **45° Bent** Probe, available only in BRASS or TORLON
- VSPT1005-S...** : Outside Ø 0.25mm - .010" - Inside Ø 0.13mm - .005", w / **Straight** Probe, available only in BRASS or TORLON
- VSPT2005-BD...** : Outside Ø 0.51mm - .020" - Inside Ø 0.13mm - .005", w / **45° Bent** Probe, available only in DELRIN
- VSPT2005-SD...** : Outside Ø 0.51mm - .020" - Inside Ø 0.13mm - .005", w / **Straight** Probe, available only in DELRIN
- VSPT2010-B...** : Outside Ø 0.51mm - .020" - Inside Ø 0.25mm - .010", w / **45° Bent** Probe
- VSPT2010-S...** : Outside Ø 0.51mm - .020" - Inside Ø 0.25mm - .010", w / **Straight** Probe
- VSPT3020-B...** : Outside Ø 0.76mm - .030" - Inside Ø 0.51mm - .020", w / **45° Bent** Probe
- VSPT3020-S...** : Outside Ø 0.76mm - .030" - Inside Ø 0.51mm - .020", w / **Straight** Probe
- VSPT4030-B...** : Outside Ø 1.02mm - .040" - Inside Ø 0.76mm - .030", w / **45° Bent** Probe
- VSPT4030-S...** : Outside Ø 1.02mm - .040" - Inside Ø 0.76mm - .030", w / **Straight** Probe
- VSPT6040-B...** : Outside Ø 1.52mm - .060" - Inside Ø 1.02mm - .040", w / **45° Bent** Probe
- VSPT6040-S...** : Outside Ø 1.52mm - .060" - Inside Ø 1.02mm - .040", w / **Straight** Probe
- VSPT8060-B...** : Outside Ø 2.00mm - .080" - Inside Ø 1.52mm - .060", w / **45° Bent** Probe
- VSPT8060-S...** : Outside Ø 2.00mm - .080" - Inside Ø 1.52mm - .060", w / **Straight** Probe

CONTINUOUS VACUUM HANDLING TOOLS



PAC-VAC™ PORTABLE ESD SAFE

The PAC-VAC is Battery Operated and Self-Contained.
Comes Complete With Following Features:

- A Belt/Pocket Clip on the Housing
- 4 Feet of Straight Vacuum Hose, #VSH-1/16-4
- 4 Feet of Coiled Vacuum Hose, #VCH-1/16-4
- A Set of Seven Vacuum Tips, #VCS-7-B
- A Vacuum Pick-Up Handle, #V3020-RF-1/16
- 9 Volt Disposable Alkaline Battery
- Lightweight – Only 156 Grams
- Runs up to Eight Hours Continuously on One 9 Volt Alkaline Battery
- Produces Vacuum of Over Ten Inches of Mercury

V3200



SMD-VAC™-GP ESD SAFE

A General Purpose Vacuum Handling Tool That Plugs Directly Into 110 VAC or 200 VAC 50-60HZ.

Comes Complete With Following Features:

- Whisper-Quiet Operation
- 4 Feet of Straight Vacuum Hose, #VSH-1/16-4
- 4 Feet of Coiled Vacuum Hose, #VCH-1/16-4
- A Set of Seven Vacuum Tips, #VCS-7-B
- A Vacuum Pick-Up Handle, #V3020-RF-1/16
- Produces Vacuum of Over Six Inches of Mercury

V8000/110V

V8000/220V

With Optional Side Mounted Vacuum Pen Holder

V8000/110V-HLD

V8000/220V-HLD

SMD-VAC™-HF ESD SAFE

Same as SMD-VAC-GP V8000. Provides Twice The Air Flow

Comes With Same Features as V8000

V8400/110V

V8400/220V

With Optional Side Mounted Vacuum Pen Holder

V8400/110V-HLD

V8400/220V-HLD



SMD-VAC™-HP ESD SAFE

Comes With Same Features as V8000

- Automatic Vacuum pump ON/OFF Control
- Produces Vacuum of Over Fifteen Inches of Mercury
- Variable Air Flow Control

V8100A-110V

V8100A-220V



Foot Switch With Vacuum Pen V3021

VFS-1



CONTINUOUS VACUUM HANDLING TOOLS



STEALTH-VAC™

VVSV-X Without Probes and Cups

High Powered Vacuum Pen, operates on Compressed Air or Nitrogen

- Operates from 30 to 70 P.S.I. at less than 3 C.F.M
- Supplied with coiled hose and straight hose
- Made of ESD Safe materials
- Whisper quite operation
- Air exhausts out the rear of the tool
- Lightweight, Ergonomic design
- **Will accept any of our Probes and Cups**

STEALTH-WAND™

VVSW-X Without Wafer Tip

Innovative Wafer Wand, operates on Compressed Air or Nitrogen

- Operates from 30 to 70 P.S.I. at less than 3 C.F.M
- Supplied with coiled hose and straight hose
- Made of ESD Safe materials
- Cleanroom Safe
- Whisper quite operation
- Air exhausts out the rear of the tool
- Lightweight, Ergonomic design
- **Will accept any of our molded Peek Wafer Tip**



PORTA-VAC® II BATTERY OPERATED WAFER HANDLING TOOLS

Comes With one MOLDED Wafer Tip as Listed Below.

Easily Lifts over 500 Grams.

9V Battery is Included.

PV4000A-MW4 Handling up to 4" (100 mm) Wafers

PV4000A-MW6 Handling up to 6" (150 mm) Wafers

PV4000A-MW8 Handling up to 8" (200 mm) Wafers

PORTA-VAC II Only

PV4000A-X Without Wafer Tip

PORTA-VAC® SERIES 3 BATTERY OPERATED WAFER HANDLING TOOLS

Same as PORTA-VAC II , With Vacuum Level Indicator

Comes With one MOLDED Wafer Tip as Listed Below.

Easily Lifts 300 mm Wafers

PV4300-MW4 Handling up to 4" (100 mm) Wafers

PV4300-MW6 Handling up to 6" (150 mm) Wafers

PV4300-MW8 Handling up to 8" (200 mm) Wafers

PV4300-VWT5R Handling up to 12" (300 mm) Wafers

PORTA-VAC SERIES 3 Only

PV4300-X Without Wafer Tip



CONTINUOUS VACUUM HANDLING TOOLS



Switzerland

PORTA-WAND® BATTERY OPERATED WAFER HANDLING TOOL

Comes With a fixed internal 9.6V NiMH Rechargeable Battery,
In-Stand Charger (P/N VPW6000-CHRG).
Available in 110V or 220V.
Easily Lifts Over 500 Grams.

VPW6000B-MW4/110V Handling up to 4" Wafers
VPW6000B-MW4/220V Handling up to 4" Wafers
VPW6000B-MW6/110V Handling up to 6" Wafers
VPW6000B-MW6/220V Handling up to 6" Wafers
VPW6000B-MW8/110V Handling up to 8" Wafers
VPW6000B-MW8/220V Handling up to 8" Wafers

PORTA WAND® Only
VPW6000B-X Without Wafer Tip , Without Charger



PORTA-WAND® SERIES 3 BATTERY OPERATED WAFER HANDLING TOOL

Same as VPW6000B
With Vacuum Level Indicator

VPW6300B-MW4/110V Handling up to 4" Wafers
VPW6300B-MW4/220V Handling up to 4" Wafers
VPW6300B-MW6/110V Handling up to 6" Wafers
VPW6300B-MW6/220V Handling up to 6" Wafers
VPW6300B-MW8/110V Handling up to 8" Wafers
VPW6300B-MW8/220V Handling up to 8" Wafers

VPW6300B-VWT5R/110V With Wafer Tip VWT5R
VPW6300B-VWT5R/220V With Wafer Tip VWT5R
Handles up to 12" (300 mm) Wafers.

PORTA WAND® Series 3 Only
VPW6300B-X Without Wafer Tip , Without Charger



CHARGER STAND

VPW6000-CHRG/110V With 110V Transformer Included
VPW6000-CHRG/220V With 220V Transformer Included
VPW6000-CHRG-XT Without Transformer



CONTINUOUS VACUUM HANDLING TOOLS



PORTA-WAND® ELITE - VPWE7000

Portable Cleanroom Vacuum Wand

- No Vacuum Lines required
- Available with 110 or 220 Volt Power Supply
- 9.6 Volt rechargeable Nickel Metal Hybride battery pack is compatible with existing PORTA-WAND charging stand VPW6000-CHRG
- Made of ESD Safe Materials
- Internal filters insure Class I Cleanroom performance
- Will accept any of our Molded Peek Wafer Tip
- Lightweight, Ergonomic Design
- Power Switch locks to the ON Position

VPWE7000-MW4/110V Handling up to 4" Wafers

VPWE7000-MW4/220V Handling up to 4" Wafers

VPWE7000-MW6/110V Handling up to 6" Wafers

VPWE7000-MW6/220V Handling up to 6" Wafers

VPWE7000-MW8/110V Handling up to 8" Wafers

VPWE7000-MW8/220V Handling up to 8" Wafers

PORTA-WAND® ELITE Only

VPWE7000-X Without Wafer Tip, Without Charger

PORTA-WAND® ELITE - VPWE7300

- Same as above
- With Led that indicates power on and battery condition

VPWE7300-MW4/110V Handling up to 4" Wafers

VPWE7300-MW4/220V Handling up to 4" Wafers

VPWE7300-MW6/110V Handling up to 6" Wafers

VPWE7300-MW6/220V Handling up to 6" Wafers

VPWE7300-MW8/110V Handling up to 8" Wafers

VPWE7300-MW8/220V Handling up to 8" Wafers

PORTA-WAND® ELITE Only

VPWE7300-X Without Wafer Tip, Without Charger

Complete details on page 77



ESD SAFE VACUUM HANDLES AND ATTACHEMENTS



STANDARD VACUUM PEN WITH CONTROL HOLE

For Continuous Air Vacuum Handling Systems.

V3020-RF-1/16" (for 1/16" ID Hose)

V3020-RF-1/8" (for 1/8" ID Hose)



STANDARD VACUUM PEN WITHOUT CONTROL HOLE, NO FILTER

For Continuous Vacuum Handling Systems

V3021-1/16" (for 1/16" ID Hose)

V3021-1/8" (for 1/8" ID Hose)



VACUUM INTERRUPTER KIT

Includes Four Feet of Straight Hose, Handle and Interrupter Block.

V3025 With 1/2" (12.7 mm) Diameter standard Handle



SLIM VACUUM PEN WITH CONTROL HOLE

For Continuous Vacuum Handling Systems

V3120



SLIM VACUUM PEN WITHOUT CONTROL HOLE

For Continuous Vacuum Handling Systems

V3121



CLEAN ROOM SAFE WAFER WANDS

SLIDE SWITCH WAFER WAND

For Connection to Continuous Vacuum Systems. Can be Used With an In-House Vacuum Systems or With one of V8000 Series Continuous Vacuum Systems.

VWW-2-SD-1/16" (for 1/16" ID Hose)

VWW-2-SD-1/8" (for 1/8" ID Hose)



PUSH-BUTTON WAFER WAND

For Connection to Continuous Vacuum Systems. Can be Used With an In-House Vacuum Systems or With one of V8000 Series Continuous Vacuum Systems.

VWWB-2-SD-1/16" (for 1/16" ID Hose)

VWWB-2-SD-1/8" (for 1/8" ID Hose)



HIGH PERFORMANCE MOLDED WAFER TIPS



PRESS-FIT 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.

VMWT-A Recommended for Handling up to 4" (100 mm) Wafers

VMWT-B Recommended for Handling up to 6" (150 mm) Wafers

VMWT-C Recommended for Handling up to 8" (200 mm) Wafers

VMWT-D Recommended for Handling Larger Sized Wafers



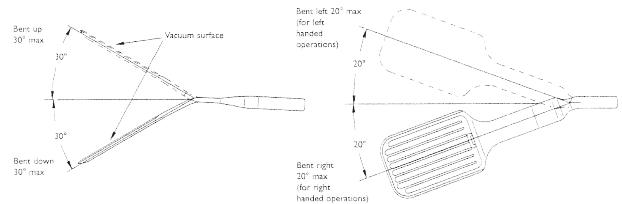
Molded Wafer Tips VMWT-A, VMWT-B and VMWT-C are Available With 30° Bend in the Up or Down Direction as Shown in the Left Drawing Above. To order a Tip With the Up or Down Bend, Add the Angle Plus a "U" for Up or a "D" for Down to the Part Number.

Example: Part Number VMWT-A30D is a VMWT-A Wafer Tip With a 30 Degree Bend in the Down Direction.

Molded Wafer Tips VMWT-A, VMWT-B and VMWT-C are Available With 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 a "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.

VMWT-A-30D, VMWT-A-30U, VMWT-A-20L, VMWT-A-20R
VMWT-B-30D, VMWT-B-30U, VMWT-B-20L, VMWT-B-20R
VMWT-C-30D, VMWT-C-30U, VMWT-C-20L, VMWT-C-20R
VMWT-D-30D, VMWT-D-30U, VMWT-D-20L, VMWT-D-20R



Other Down and Up Bending Upon Request, Maximum 30°
 Other Left and Right Bending Upon Request, Maximum 20°

300MM WAFER HANDLING TIP

VWT-5R

Designed For Safely Handling 12" (300 mm) Wafers.
 This Unique Design Allows Connection to any of
 Our Continuous Vacuum Wafer Handling Tools



ESD SAFE VACUUM HANDLING TOOL ACCESSORIES



| | |
|---|---|
| <p>PV-RESISTOR</p> <p>The Resistor Adaptor provides a Series Resistor Between the Wafer Tip and Handling Tool.</p> |  |
| <p>V2404</p> <p>Press Fit Hub Adapter ESD Safe. Allows the use of Probes With Vacuum Cups.</p> |  |
| <p>V2407</p> <p>The Adapter for .094 Inch Tube Accepts the Wafer Tips Described in this Catalog as Well as Many Third Party Wafer Tips. Simply unscrew the Adapter From the Front of the Wafer Handling Tools and Replace it with this Adapter.</p> |  |
| <p>V2408</p> <p>Hub Adapter Attaches to the Front of the Wafer Handling Tools to Allow Use of the Probes With Vacuum Cups. Simply Unscrew the Adapter From the Front of the Wafer Handling Tools and Replace it With the Hub Adapter.</p> |  |
| <p>V2409</p> <p>Press Fit Adapter Attaches to the Front of the Wafer handling Tools to Allow Use of Third Party Molded and Quartz Wafer Tips that You May Already Have in this House. Simply Unscrew the Adapter From the Front of the wafer Handling Tools and Replace it With the Press Fit Adapter.</p> |  |
| <p>VCH-1/8" VCH-1/16"</p> <p>ESD Safe Coiled Vacuum Hose. Available 4", 6", 8" Long.</p> |  |
| <p>VSH-1/8" VSH-1/16"</p> <p>ESD Safe Straight Vacuum Hose. Available 4", 6", 8" Long.</p> |  |