

# Tweezers

## EXCELTA<sup>®</sup> Tweezers

Excelta has made it easy to find the tool that is precisely right for the job.



### The Five Star System

Take the guesswork out of selecting the right tool.

- Five levels of quality
- A range of materials and designs for any applications.

For the most critical applications, the Excelta Five Star line offers ultra-precision with the most advanced materials available.

The Excelta Three Star line offers the widest range of products designed for Military, Semiconductor and Electronic assembly.

When precision is required and price is a concern, the Excelta Two Star line fills most requirements for consumer electronics.

The Excelta One Star line offers quality products at our most economical price.

### Available alloys:

#### NEVERRUST<sup>®</sup> Suffix code SA Anti-magnetic Stainless Steel

Provides excellent resistance to many acids because of the high concentration of molybdenum. SA material is the most popular material sold. Suitable for autoclave sterilization up to 270° C (518°F).

**Stainless Steel Suffix code S Stainless Steel Contains a slightly higher carbon content than NEVERRUST<sup>®</sup> which produces a harder tip but could rust under extreme conditions. Not recommended for autoclave sterilization.**

#### Carbon Steel

The first material used for watch making tweezers. Has no suffix code. The flame-hardened tips provide long life, but are highly magnetic and have low rust resistance. Not to be used for autoclave sterilization.

#### COBALTIMA<sup>®</sup> ALLOY Suffix code CO

Special alloy containing cobalt for added strength and corrosion resistance to acids. Cobaltima<sup>®</sup> is harder than stainless steel and is anti-magnetic. Resistant to temperatures up to 500°C (932°F). Highly recommended for autoclave sterilization.

## ★★★★★ Five Star COBALTIMA<sup>®</sup> Tweezers

COBALTIMA<sup>®</sup> Series made in Switzerland from 40% cobalt alloy steel, harder than stainless steel, anti-magnetic, excellent resistance to temperatures up to 500°C (932°F). Highly recommended for autoclave sterilization. Used with very high magnification.



Cat No.	Model	Description	OAL	Price
EXC-3C-CO	3C-CO	Cobaltima with Straight Tips And Very Fine Points	4-1/4"	\$104.41
EXC-3-CO	3-CO	Cobaltima with Straight Tips And Very Fine Points	4-3/4"	\$108.48
EXC-51-CO	51-CO	Cobaltima with Bent Tips And Micro Fine Points	4-1/2"	\$132.41
EXC-5A-CO	5A-CO	Cobaltima with Offset Tips And Micro Fine Points	4-1/2"	\$117.26
EXC-5-CO	5-CO	Cobaltima with Tapered Tips And Micro Fine Points	4-3/8"	\$119.17
EXC-7-CO	7-CO	Cobaltima with Curved Tips And Very Fine Points	4-1/2"	\$130.09

## ★★★ Three Star High-Precision Tweezers

Manufactured in Switzerland with high precision points. The perfect choice when working under 5x to 10x magnification.



Cat No.	Model	Description	OAL	Price
EXC-0	0	Carbon Steel, Strong Tips With Precision Points	4-3/4"	\$35.17
SWI-00D	00D	Carbon Steel, Strong Straight Tips With Serrated Points	4-3/4"	\$41.70
EX-00-SAS	00-SA	NEVERRUST, Strong Straight Tips With Medium Points	4-1/2"	\$28.57
SWI-000-SA	000-SA	NEVERRUST, Strong Straight Tips, Medium Point With Inside Radius Edges	4-1/2"	\$31.86
EXC-00D-SA	00D-SA	NEVERRUST, Straight Strong Tips With Serrated Points	4-3/4"	\$31.86
EXC-1-SA	1-SA	NEVERRUST, Slender Tips With Fine Points	4-1/2"	\$27.58
SWI-2A-SA	2A-SA	NEVERRUST, Tapered Tips With Flat Round Points	4-3/4"	\$28.90
EXC-29-SA	29-SA	Stainless Steel Reverse Action With Fiber Handles	6"	\$54.07
SWI-3C-SA	3C-SA	NEVERRUST, Very Fine Tips With Precision Points	4-3/4"	\$29.59
EXC-31-SA	31-SA	NEVERRUST, Reverse Action, Straight Points	4-3/4"	\$40.52
EXC-4-SA	4-SA	NEVERRUST, Tapered Tips With Very Fine Points	4-1/4"	\$34.32
EXC-64-SA	64-SA	NEVERRUST, Straight Tips With Fine Precision Points	4-3/4"	\$32.73
SWI-7-SA	7-SA	NEVERRUST, Curved Tips With High Precision Points	4-1/2"	\$32.73
EXC-M-5-S	M-5-S	Miniature, Stainless Steel, Straight Precision Tips With Very Fine Points	3-1/4"	\$34.70
SWI-AA	AA	Nickel-Plated Carbon Steel, Straight Tips With Medium Points	5"	\$25.04
SWI-AA-SA	AA-SA	NEVERRUST, Straight Tips With Medium Points	5"	\$29.64
SWI-AC	AC	Carbon Steel, Straight Strong Tips With Medium Fine Points	4-1/4"	\$35.86
SWI-AC-SA	AC-SA	NEVERRUST, Straight Strong Tips With Medium Fine Points	4-1/4"	\$32.10
EXC-SS-S	SS-S	Stainless Steel, Long Straight Tips With Precision Points	5-1/2"	\$30.22
EXC-SS-SA	SS-SA	NEVERRUST, Long Straight Tips With Precision Points	5-1/2"	\$32.53
SWI-15A-GW	15A-GW	ESD-Safe Handle, Angulated Head, Cuts .010" Or Smaller Wire	4-1/2"	\$72.52
EXC-00-SA-ET	00-SA-ET	ESD Safe, Foam Cushion Grips, NEVERRUST, Strong Tips With Medium Points	4-1/2"	\$32.57
EXC-2A-SA-ET	2A-SA-ET	ESD Safe, Foam Cushion Grips, NEVERRUST, Tapered Tips With Flat Round Points	4-3/4"	\$32.90
EXC-3C-SA-ET	3C-SA-ET	ESD Safe, Foam Cushion Grips, NEVERRUST, Straight Tips With Very Fine Points	4-1/4"	\$33.59
EXC-5-SA-ET	5-SA-ET	ESD Safe, Foam Cushion Grips, NEVERRUST, Taper Tips With High Precision Points	4-1/4"	\$39.32
EXC-7-SA-ET	7-SA-ET	ESD Safe, Foam Cushion Grips, NEVERRUST, Curved Tips With Extra Fine Points	4-1/2"	\$36.73

**MORE PRODUCTS AVAILABLE ONLINE AT WWW.WASSCO.COM**



# Tweezers



**EXCELTA**  
CORPORATION

## All Purpose Tweezer Kit - 6 pc.

Features the most popular Two Star tweezers in a deluxe vinyl case with snap closure. Ideal for technicians, assembly, and field service use. Includes: 0C, 1, AA, 20, 24, S tweezers.

No. EXC-TW700 .....\$90.09

Replacement Vinyl Case

No. CHI-POUCH-TMT .....\$21.25

## Electronic Purpose Tweezer Kit - 6 pc.

6 popular Two Star stainless steel tweezers in a deluxe vinyl case with snap closure. Ideal for micro-electronic work, assembly and laboratory use. Includes: 00, 2A, 3, 7, 5, AA tweezers.

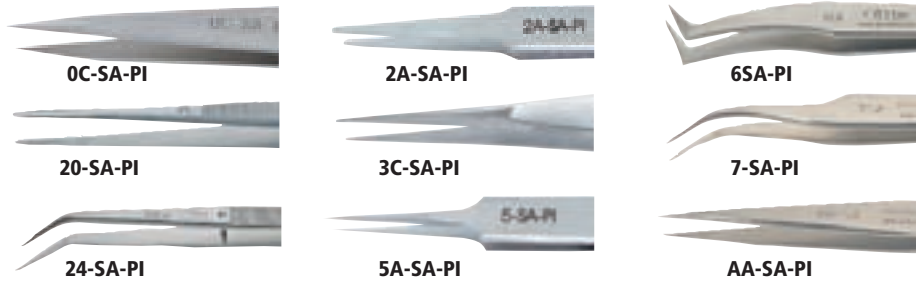
No. EXC-TW900 .....\$89.01

Replacement Vinyl Case

No. CHI-POUCH-TMT .....\$21.25

## ★★ Two Star Fine Precision Tweezers

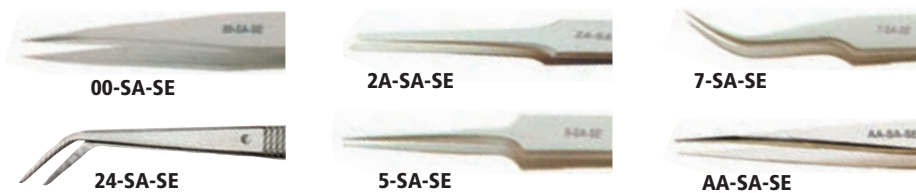
Standard grade tweezers are manufactured in Italy with fine precision points at a lower cost. Used with low magnification.



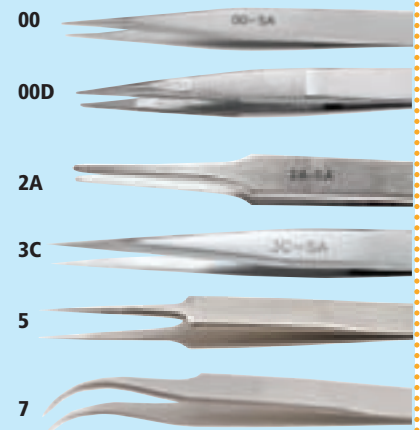
Cat No.	Model	Description	OAL	Price
EXC-00-SA-PI	00-SA-PI	Stainless Steel, Anti-Magnetic, Medium Tips With Strong Straight Points	4-1/2"	\$12.68
EXC-0C-SA-PI	0C-SA-PI	Stainless Steel, Anti-Magnetic, Straight Precision Tips With Fine Points	3-1/2"	\$12.42
EXC-20-SA-PI	20-SA-PI	Stainless Steel, Anti-Magnetic, Straight Tips With Medium Serrated Points	5-1/2"	\$13.98
EXC-24-SA-PI	24-SA-PI	Stainless Steel, Anti-Magnetic, Angle Tips With Broad Serrated Points	6"	\$15.19
EXC-2A-SA-PI	2A-SA-PI	Stainless Steel, Anti-Magnetic, Tapered Tips With Flat Round Points	4-3/4"	\$12.68
EXC-3C-SA-PI	3C-SA-PI	Stainless Steel, Anti-Magnetic, Very Fine Tips With Precision Points	4-1/4"	\$12.68
EXC-3-SA-PI	3-SA-PI	Stainless Steel, Anti-Magnetic, Very Fine Tips With Precision Points	4-3/4"	\$12.68
EXC-5A-SA-PI	5A-SA-PI	Stainless Steel, Anti-Magnetic, Offset Fine Tips With High Precision Points	4-1/2"	\$14.17
EXC-5-SA-PI	5-SA-PI	Stainless Steel Anti-Magnetic, Offset Fine Tips With High Precision Points	4-1/4"	\$14.17
EXC-6-SA-PI	6-SA-PI	Stainless Steel, Anti-Magnetic, Angled Tips With Flat Sharp Points	4-1/2"	\$15.03
EXC-7B-SA-PI	7B-SA-PI	Stainless Steel, Anti-Magnetic, Curved Tips With Fine Serrated Points	4-1/2"	\$15.03
EXC-7-SA-PI	7-SA-PI	NEVERRUST, Curved Tips With High Precision Points	4-1/2"	\$14.33
EXC-AA-SA-PI	AA-SA-PI	Stainless Steel, Anti-Magnetic, Straight Tips With Medium Points	5"	\$12.68

## ★ One Star General Precision Tweezers

For general purpose work when magnification is not required.



Cat No.	Model	Description	OAL	Price
EXC-00-SA-SE	00-SA-SE	Stainless Steel, Anti-Magnetic, Medium Tips With Strong Straight Points	4-1/2"	\$3.98
EXC-24-SA-SE	24-SA-SE	Stainless Steel, Anti-Magnetic, Angle Tips With Broad Serrated Points	6"	\$4.88
EXC-2A-SA-SE	2A-SA-SE	Stainless Steel, Anti-Magnetic, Tapered Tips With Flat Round Points.	4-3/4"	\$3.98
EXC-5-SA-SE	5A-SA-SE	Stainless Steel, Anti-Magnetic, Micro Fine Tips With High Precision Points	4-1/4"	\$3.98
EXC-7-SA-SE	7-SA-SE	Stainless Steel, Anti-Magnetic, Curved Tips With High Precision Points	4-1/2"	\$3.98
EXC-AA-SA-SE	AA-SA-SE	Stainless Steel, Anti-Magnetic, Straight Tips With Medium Points	5"	\$3.98



## Swiss Quality Production Tweezers

Manufactured with high quality stainless, non-magnetic, anti-acid, steel. Ideal for delicate precision assembly.

Cat. No.	Model	Price
WAS-00.SA	00	\$18.00
WAS-00D.SA	00D	\$18.00
WAS-2A.SA	2A	\$18.00
WAS-3C.SA	3C	\$18.00
WAS-5.SA	5	\$18.00
WAS-7.SA	7	\$18.00

**SAME DAY SHIPPING!**  
Your local California Based Supplier

# Tweezers



## Tweezers

General purpose assembly tweezers.



Cat. No.	Model	Description	Price
RIP-46011	231	Anti-magnetic, anti-acid stainless steel, serrated tips	\$11.12
RIP-46009	226	Chrome-plated carbon steel, serrated tips	\$11.10
RIP-46056	AA	Anti-magnetic, anti-acid stainless steel, smooth tips	\$11.00

TL 00D-SA



TL 4A-SA



TL 7-SA



TL 31-SA



TL-AC-SA



## Precision Tweezers

Anti-acid, anti-magnetic stainless steel.

Cat. No.	Model	Description	Price
LIN-TL00-SA	TL 00-SA	Sharp tips	\$24.50
LIN-TL00D-SA	TL 00D-SA	Heavy-duty, sharp serrated tips	\$29.50
LIN-TL2A-SA	TL 2A-SA	Flattened, round tips	\$27.50
LIN-TL3C-SA	TL 3C-SA	Sharp, fine tips	\$27.50
LIN-TL4A-SA	TL 4A-SA	Extra fine, strong tips	\$29.50
LIN-TL5-SA	TL 5-SA	Sharp, extra fine tips	\$32.50
LIN-TL7-SA	TL 7-SA	Curved, very sharp tips	\$34.50
LIN-TL31-SA	TL 31-SA	Reverse action, straight, fine tips	\$24.50
LIN-TLAA-SA	TL AA-SA	Fine tips with beveled edges	\$16.50
LIN-TLAC-SA	TL AC-SA	Strong tips, serrated grips	\$32.50
LIN-TLM5-SA	TL M5-SA	Mini tweezers with sharp extra fine tips	\$29.50

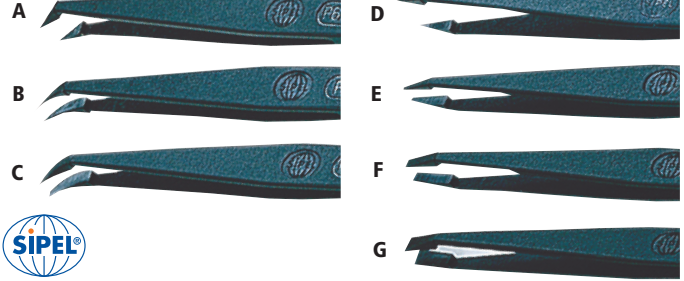


## Precision Ergonomic Tweezers

Tweezers with ergonomic foam handles. Cleanroom and ESD safe. Anti-acid and anti-magnetic stainless steel.



Cat. No.	Model	Description	Price
LIN-TL-00-SA-ET	TL 00-SA-ET	Sharp tips	\$34.50
LIN-TL-2A-SA-ET	TL 2A-SA-ET	Flattened rounded tips	\$34.50
LIN-TL-3C-SA-ET	TL 3C-SA-ET	Sharp, fine tips	\$34.50
LIN-TL-5-SA-ET	TL 5-SA-ET	Sharp, extra fine tips	\$36.50
LIN-TL-7-SA-ET	TL 7-SA-ET	Curved, very sharp tips	\$36.50
LIN-TL-AA-SA-ET	TL AA-SA-ET	Fine tips with beveled edges	\$34.50
LIN-TL-M5-SA-ET	TLM5-SA-ET	Mini tweezers with sharp, extra fine tips	\$51.50



## Plastic Tweezers

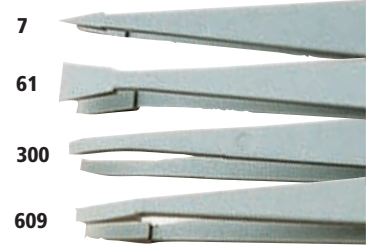
These gray tweezers are made of polycarbon and steel fiber. Static dissipative and non-contaminating. Heat resistant to 464°F (240°C). The tips do not spread under pressure.

Cat. No.	Description	OAL	Price
A SIP-P6A-STD	Very fine angulated	4-1/2"	\$5.14
B SIP-P7-STD	Very fine curved	4-1/2"	\$5.14
C SIP-P2AB-STD	Curved rounded	4-1/2"	\$5.14
D SIP-P3C-STD	Very fine straight	4-1/2"	\$5.14
E SIP-P2A-STD	Straight flat rounded	4-1/2"	\$5.14
F SIP-P35-STD	Straight flat	4-1/2"	\$5.14
G SIP-P35A-STD	Straight radiused	4-1/2"	\$5.14

## Plastic Tweezers by Leroy

Designed for handling semiconductors, chips and wafers. Made from non-magnetic, glass-filled Delrin to resist solvents, acetic acid, acetone or alcohol.

Cat. No.	Model	Description	OAL	Price
LER-7	7	Sharp points	4-9/16"	\$1.64
LER-61	61	9/32" extra wide	4-5/8"	\$1.91
LER-300	300	3/32" small surface	4-5/8"	\$1.78
LER-609	609	1/8" medium wide	4-9/16"	\$2.10



CHP by American HAKKO Products

## Precision Tweezers

Manufactured with high quality stainless, non-magnetic, anti-acid steel. Ideal for delicate, precision assembly.

Cat. No.	Model	Description	Price
HAK-00D-SA	00D-SA	Fine, Straight, Serrated	\$5.17
HAK-00-SA	00-SA	Fine, Straight Tips	\$5.17
HAK-3-SA	3-SA	Straight Tips	\$5.17
HAK-5-SA	5-SA	Straight, Extra Fine Tips	\$5.17
HAK-7-SA	7-SA	Curved, Sharp Tips	\$5.17
HAK-102-SA	102-SA	Flat, Angled Tips	\$11.87

# Tweezers

## Erem® Precision Tweezers

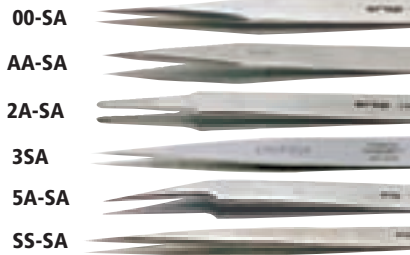
Anti-magnetic tweezers. Swiss made.



Cat. No.	Model	Description	OAL	Price
ERC-OOSA	OOSA	Stainless steel, straight fine points	4-3/4"	\$18.70
ERC-5SA	5SA	Anti-acid, Very fine points	4-1/2"	\$28.30
ERC-3CSA	3CSA	Anti-magnetic, straight fine points	4-1/4"	\$17.10
ERC-OODSA	OODSA	Stainless, anti-acid, straight fine points	4-3/4"	\$20.40

## Erem® Fine-Tip Tweezers

Tweezers with exceptional quality and cost-effective pricing. Non-magnetic, anti-acid alloy. (Pakistan)



Cat. No.	Model	Description	OAL	Price
ERC-EROPOOSA	EROPOOSA	General purpose	4-3/4"	\$3.40
ERC-EROPAASA	EROPAA-SA	Straight, medium point	5"	\$3.40
ERC-EROP2ASA	EROP2A-SA	Straight, round large point	4-3/4"	\$3.40
ERC-EROP3SA	EROP3-SA	Straight, very fine point	4-3/4"	\$3.40
ERC-EROP5ASA	EROP5A-SA	Straight, very fine point	4-1/2"	\$3.40
ERC-EROP5SSA	EROP5S-SA	Straight, very fine point	5-1/2"	\$3.40

## Extra Long Tweezers

(Pakistan)



	Cat No.	Description	OAL	Price
A	WAS-0352	Extra long tweezer, straight points	6-7/8"	\$6.00
B	WAS-0350	Extra long tweezer, corrugated points; serrated, non-slip grip	7"	\$4.00

## Curved Tweezer

Serrated, curved 1" points, 6-3/4" OAL. (India)  
No. WAS-415 .....\$7.45



## Heavy Gripper With Serrated Tips

6" OAL. (Pakistan)  
No. WAS-106TW ....\$6.50



## Filament Holder

Stainless steel, curved serrated tips. Excellent for bending and inserting fine diameter wires and component leads in miniaturized circuits. (Pakistan)



	Cat No.	Description	OAL	Price
A	WAS-100TW	Filament holder, curved serrated tips	6"	\$6.50
B	WAS-15-139A	Lock-type filament holder, curved serrated tips	6"	\$6.50

## Erem® Ergonomic Tweezers

Swiss made.



Cat. No.	Model	Description	OAL	Price
ERC-E5SA	E5SA	Stainless anti-acid, straight, very fine points	4-3/4"	\$26.40
ERC-E0OSA	E0OSA	Stainless, anti-magnetic, straight fine points	5"	\$22.20
ERC-E3CSA	E3CSA	Stainless, anti-magnetic, straight, fine points	4-1/2"	\$24.70
ERC-E7SA	E7SA	Stainless, anti-acid, curved, very fine points	5"	\$27.80
ERC-E2ASA	E2ASA	Stainless, anti-acid, straight/round, large points	5"	\$21.30



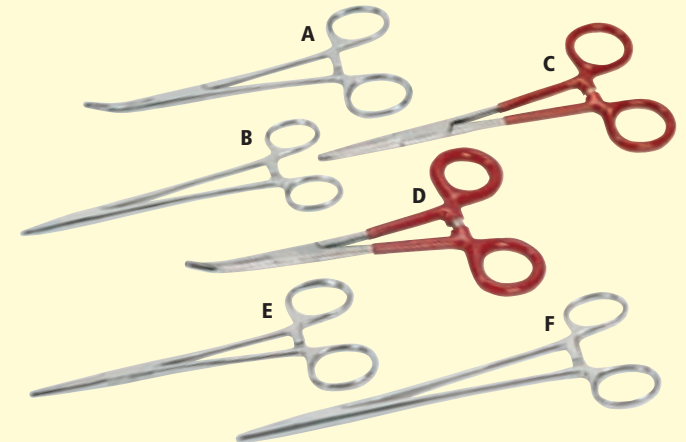
## Anti-Wicking Tweezers

Gives excellent conductor contact. Forged from beryllium copper. Conductor contact length is .0626" for all except AW24 (.03125"). Model number of tweezers indicates the AWG wire size it will handle.

Cat. No.	Model	OAL	Price
RIP-46061	AWG20	5"	\$25.85
RIP-46063	AWG22	5"	\$25.85
RIP-46065	AWG24	5"	\$25.85

## Precision Holders

Holders, hemostats, forceps... whatever you call these versatile tools, they're often the most used items in any technician's kit. Use them in heat sink applications, as pick-up tools or clamps, to hold fixtures for soldering, to retrieve small parts from hard-to-reach places, and much, much more. Stainless steel box joint construction, slim serrated jaws, three position positive ratchet lock.



	Cat No.	Description	OAL	Price
A	WAS-26C	Standard Curved Tips, Stainless steel	5-1/2"	\$6.85
B	WAS-20-105	Standard Straight Tips, Stainless steel	5-1/2"	\$6.85
C	WAS-60-CCHS	Standard Straight Tips with PVC Coated Handles	5-1/2"	\$6.85
D	WAS-60-CCHC	Standard Curved Tips with PVC Coated Handles	5-1/2"	\$7.85
E	WAS-687	Large Straight Tips, Stainless steel	7"	\$9.40
F	WAS-285	Jumbo Straight Tips, Stainless steel	8"	\$10.45

# Pick-Up Tools



## General Purpose TV-1000 Vacuum Handling Pick-Up Tool

A general purpose vacuum handling tool that plugs directly into 110 Volt 50/60 Hz. This compact unit will handle a wide variety of parts used in industry today. The long-life diaphragm vacuum pump generates up to 10 inches of mercury with an open air flow of 2.3 lpm. The unit connects to ground automatically with a three-wire power cord. Measures 7-1/4" x 3" x 2-1/2". (USA)

- Lighted on/off switch
- Rubber no-skid feet
- Whisper-quiet operation
- Push-button release vacuum pick-up handle
- Nine vacuum tips included
- 5 feet of coiled vacuum hose, 5/64" diameter

No. VIR-TV-1000 .....\$198.95

## Static Dissipative Small Parts Tips



Straight

Bent

For handling very tiny parts. ESD-safe Delrin plastic eliminates chance of static or mechanical abrasion damage up to 212°F (100°C). (USA)

O.D.	I.D.	Cat No. Straight	Cat. No. Bent	Price
.010"	.005"	VIR-VSPT1005-SD	VIR-VSPT1005-BD	\$33.50
.030"	.020"	VIR-VSPT3020-SD	VIR-VSPT3020-BD	\$33.50
.060"	.040"	VIR-VSPT6040-SD	VIR-VSPT6040-BD	\$33.50

## ESD Vacuum Cups

Composition: Silicone Rubber; Color: Black; Surface Resistance: 10<sup>8</sup>Ω/sq.; Operating Temp: -55° to 230°C. (USA)

- No. VIR-V9025-ESD 1/4" .....\$2.30
- No. VIR-V9038-ESD 3/8" .....\$2.30
- No. VIR-V9050-ESD 1/2" .....\$2.30



## Static Dissipative Non-Marking Cups

Composition: Buna-N.; Color: Black; Surface Resistance: 10<sup>13</sup>Ω/sq.; Operating Temperature: 20° to 120°C. (USA)

- No. VIR-V9009-B 3/32" .....\$2.30
- No. VIR-V9025-B 1/4" .....\$2.30



## Pixter™ LP20 Portable Lifting Tool

Measures less than 2-1/2" (without needle). Can fit almost anywhere. Lifts up to 500g securely! Comes with 2 needle/suction cups. No. EDP-LP20 .....\$17.60



## LP200 Portable Lifting Tool

Comes with non-reflective needles and suction cups specially designed to not reflect light. ESD safe. Includes 3 needles. No. EDP-LP200 .....\$31.70



## Pace Handipik

Self-contained, hand-held device for quickly and easily picking up and placing a wide variety of electronic components. The wand may be stored in a PACE Handpiece Redi-Rak. No. PAC-7028-0001-P1 .....\$67.65



## Weller® WLSK200 Vacuum Pen

Manually operated to pick up components with the push of a button. No. WEL-WLSK200 .....\$53.00



## 394 Vacuum Pick-up Tool

Easy-to-use, battery operated pick-up tool for surface mount components. Uses (2) AAA batteries (included). Includes: 1.1 mm bent nozzle; 5 mm lifts 40gf and 10 mm pad lifts 120gf; manual and case. Specs: Outer Dimensions: 130mmL x 22mmW x 29mmH. No. HAK-394-01-DS .....\$94.77



## Vampire Vacuum

Hand-held SMD vacuum pickup tool ideal for picking up and moving electronic components, large or small. With fountain pen dimensions, the vampire fits easily into your hand or pocket. And its high-power probes have longer holding action. Features: ergonomic comfort design; ESD-safe ≤100KΩ; lift up to 120g; heavy duty internal piston; three high power probes: angled, straight and 4mm cup. No. TLC-222444 Vacuum Pick-up tool .....\$73.03  
No. TLC-222555 Replacement cup kit .....\$44.27



## Pen-Vac™ Vacuum Handling Tool

A totally self-contained vacuum pickup tool that fits in your pocket like a fountain pen. Lifts up to 50 grams, weighs less than one ounce. Comes complete with two probe tips. No. EXC-PV-1 .....\$58.37



## Beau-Tech Probes

Designed so solder will not stick to tips. Stainless steel spring tips and hex handles.

A. #1 Probe No. BEA-SH-141 .....\$2.97	C. #23 Probe No. BEA-SH-123 .....\$2.97
B. #6 Probe No. BEA-SH-116 .....\$2.97	D. #17 Probe No. BEA-SH-117 .....\$2.97

## 4pc. Probe Set

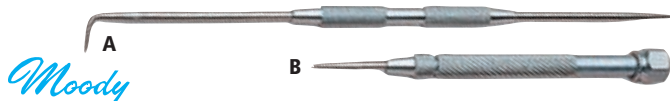
Three single-ended and one double-end probe that can be used for all kinds of precision work in electronics. Straight, angle, hook, and curved tips. Packaged in a vinyl pouch, stainless steel.

No. TAM-T-M120 .....\$9.00

## Hook & Pick 4-pc. Set

Features four tips that screw into handle; straight tip, 90° tip, hook tip and angular tip. Hex shaped handle has magnet on one end and opposite end holds tips. Tips are high carbon needle steel. Set packaged in a vinyl pouch. 6-9/16" OAL.

No. ULL-H4W .....\$7.22



## Precision Scribers

The machinist scriber (A) has one straight point and one 90° bent point. Lightweight, 1/4" body diameter, with knurled handle for sure grip. The reversible point scriber (B) has a solid-locking, chuck-type, knurled hex head, and a 1/4" body diameter.

A. No. MOO-76-1510	Machinist Scriber, 8" OAL	.....\$3.82
B. No. MOO-76-1515	Pocket Scriber, 3-3/4" OAL	.....\$4.51

## GENERAL

## Pocket Scribers

For scribing hard surfaces. Points hardened, center ground to a needle tip.

No. GEN-81	2" Point, 3/8" Body, Heavy Duty	.....\$6.39
No. GEN-81-P	Replacement Point	.....\$1.19
No. GEN-83	1-7/16" Point, 1/4" Body	.....\$5.35
No. GEN-83-P	Replacement Point	.....\$1.07

## Ullman

## Pick-Up Tools

Retrieve dropped objects from inaccessible places.

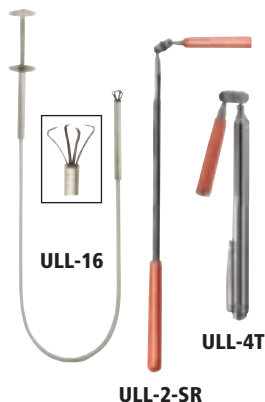
### Flexible Spring Claw

No. ULL-16	23.5" OAL	.....\$6.31
No. ULL-17	13.5" OAL	.....\$5.41

### Magnetic

Compact size w/rotating head & pocket clip. Lifts 1-1/2 lbs.

No. ULL-3-JR	.....\$5.69
Rotating head. Extends from 4-1/2" to 19".	
Lifts 1-1/2 lbs.	
No. ULL-4T	.....\$6.81
Extends from 10-5/8" to 14-5/8" Lifts 3 lbs.	
No. ULL-2-SR	.....\$9.59



## CRAFTSMAN

### Specialty Tool Kit - 5-pc.

Includes: 1" x 2" inspection mirror. Telescoping magnetic pick-up tool. Slotted screw starter. Phillips/Torx® screw starter. Double pointed scribe with straight and 90° angle point. Packaged in zippered reusable plastic pouch. (USA)

No. CRF-9-4717 .....\$25.66



## CRAFTSMAN

### 2-1/4" Diameter Round Mirror

Telescoping handle: extends from 10" to 14". (USA)

No. CRF-9-4070 .....\$5.12



## Ullman

### Inspection Mirrors

Head swivels 360° on two axis. Includes plastic dipped handle and pocket clip.

No. ULL-K-2	2-1/8" x 3-1/2" Rectangular, 15" OAL	.....\$7.68
No. ULL-A-2	7/8" Circular, 7-1/2" OAL	.....\$5.01
No. ULL-B-2	1" x 2" Oval, 8-1/2" OAL	.....\$5.25



### Anti-Static Alignment Tool

Nine-piece anti-static alignment tool kit for adjusting or aligning all static-sensitive components.

No. GCE-AS-5007 .....\$18.13



### Tec Alignment Tool

6" Plastic Spudger.

No. 3MM-917635 .....\$1.25



### Trimpot Adjusting Tool

Perfect for adjusting potentiometers. One end recessed, other end flat, .085" wide.

No. GCE-8608	Nylon Trimpot Tool	.....\$3.43
No. GCE-AS-8608-100	Anti-Static Trimpot Tool	.....\$3.28



### Orangewood Sticks

Good for positioning components. Non-conductive, soft, pliable orangewood. 11/64" dia. and 7" long.

No. FPS-7ROEA	.....\$0.05/Ea.
No. HAP-2910	.....\$6.95/100 pk.



### Midget Fuse Puller

Fully insulated fuse puller made of reinforced, high-dielectric engineering plastic. Use on fuses 9/32" to 1/2" in dia. 5" long.

No. IDE-34-001 .....\$7.99

