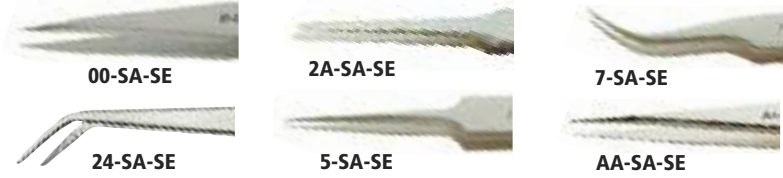


# Tweezers & Vises

## ★ One Star General Precision Tweezers

For general purpose work when magnification is not required.



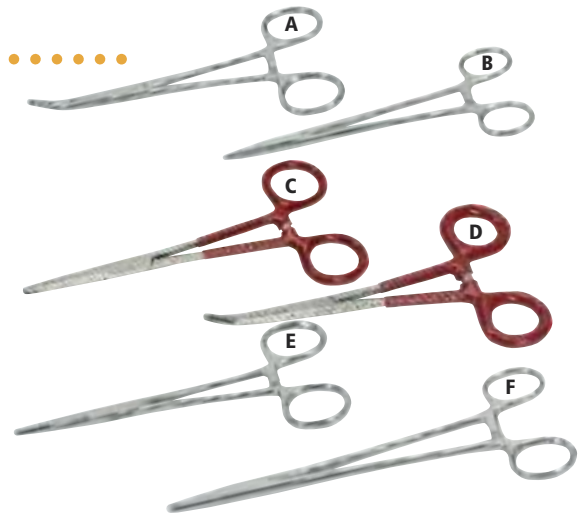
Cat No.	Model	Description	OAL	Price
EXC-00-SA-SE	00-SA-SE	Stainless Steel, Anti-Magnetic, Medium Tips With Strong Straight Points	4-1/2"	\$3.98
EXC-24-SA-SE	24-SA-SE	Stainless Steel, Anti-Magnetic, Angle Tips With Broad Serrated Points	6"	\$4.88
EXC-2A-SA-SE	2A-SA-SE	Stainless Steel, Anti-Magnetic, Tapered 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



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

## Swiss Quality Production Tweezers

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



## 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

## PANA VISE® Build the Perfect Vise

The PanaVise System allows you to build the right vise to hold the right materials to make the job easier. Unique head designs fit with any of several base options including the new magnetic base. Accessories provide extra help with PCB and wire management tasks.

	Cat. No.	Description	Price
A + B	PAN-396	Wide Opening Head & Base	\$64.99
D + B	PAN-301	Standard Head & Base	\$49.99
D + F	PAN-381	Standard Head & Vacuum Base	\$69.99
A	PAN-366	Wide Opening Head	\$42.99
B	PAN-300	Standard Base	\$24.99
C	PAN-312	Tray Base Mount	\$21.99
D	PAN-303	Standard Head	\$27.99
E	PAN-308	Weighted Base Mount	\$29.99
F	PAN-380	Vacuum Base	\$39.99
G	PAN-358	Wire Manager	\$21.99
H	PAN-315	Circuit Board Holder	\$35.99
I	PAN-305	Low Profile Base, 2-1/2" high	\$24.99
J	PAN-201	PanaVise Jr. Work Vise	\$27.99
K	PAN-311	Bench Clamp Base Mount	\$49.99

## Holding Device

Holds item in any position, leaving hands free. Versatile alligator-type spring clamps and six ball joints permit you to hold item in the exact position you want. Available with and without magnifier. Both have heavy 2" square stable base.

	Cat. No.	Description	Price
L	ECL-900-015	Helping Hands Holding Device	\$5.83
M	ECL-900-037	Helping Hands Device w/Magnifier	\$6.67

## Printed Circuit Board Positioner

Designed to hold printed circuit boards at the most comfortable working positions. Automatic/manual rotation and tilt angle controls position boards at any angle, horizontally or vertically. Adjustable spring-loaded arms hold boards from 1" x 1" to 8" x 8" and from 1/32" to 1/8" thick. Cast iron base.

N. No. PAN-333 .....\$89.99



## 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

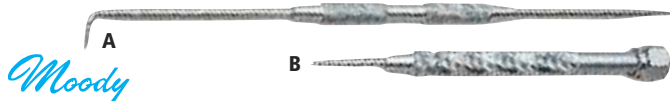
Three single-ended and one double-end probe that can be used for all kinds of precision work in electronics. Straight, angle, hook, and curved tips.

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.

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



## 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

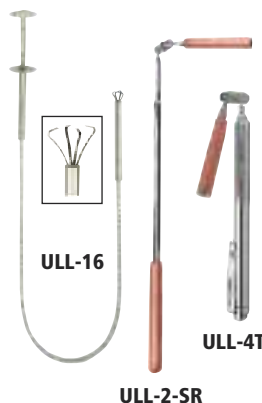
Rotating head. Extends from 4-1/2" to 19".

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



## 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", 15" OAL .....	\$7.68
No. ULL-A-2	7/8" Diameter, 7-1/2" OAL .....	\$5.01
No. ULL-B-2	1" x 2" Oval, 8-1/2" OAL .....	\$5.25



## Orangewood Sticks

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

No. FPS-7ROEA	.....\$0.05/Ea.
No. FPS-7RO-C	.....\$4.95/100 pk.



## Midget Fuse Puller

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

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



## Burnisher

Leaves no filings, grit, dust or film on contacts. Insulated plastic handle. Use for cleaning contacts for longer life and fewer service complaints.

No. JON-OB-1 .....\$2.50



## XACTO

### Pin Vise Set

Includes double-ended pin vise for small (67-80) and large (49-57) drill bits, pin vise bit guard and three assorted drill bits.

No. XAC-7144 .....\$12.00



### Keyboard Cap Puller

Easily remove caps from any keyboard. Just push over key cap and lift. Entire keyboards pulled in minutes. Fits key caps 3/4" single to 2.5" triple-square, rectangular, round or triangular units.

No. DGM-92 .....\$5.95

