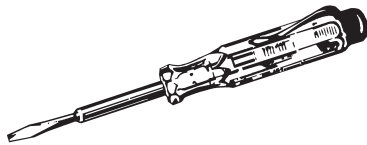


## LENLINE SLOT HEAD SCREWDRIVERS

Comfortable shockproof acetate plastic handles. Heat treated chrome plated vanadium steel non-magnetic blades. Extra hardened non-plated precise tips.

Cat. No.	Overall Length	Blade		Tip Size	Net Price
		Dia.	Length		
<b>SLOTTED SCREWDRIVERS, GREEN HANDLE</b>					
96-31S	133mm	3.2mm	75mm	0.5mm x 3.17mm	\$1.19
96-42S	184mm	5.0mm	100mm	0.76mm x 4.76mm	1.49
96-43S	190mm	6.0mm	100mm	0.94mm x 6.35mm	1.87
96-64S	240mm	5.0mm	150mm	0.76mm x 4.76mm	1.79
<b>PHILLIPS SCREWDRIVERS, YELLOW HANDLE</b>					
96-30P	133mm	3.2mm	75mm	#0	1.19
96-41P	184mm	5.0mm	100mm	#1	1.72
96-61P	240mm	5.0mm	150mm	#1	1.79
96-42P	190mm	6.0mm	100mm	#2	1.87
96-62P	240mm	6.0mm	150mm	#2	2.09
<b>EXTENDED SLOTTED SCREWDRIVER, BLACK HANDLE</b>					
97-81S	290mm	5.0mm	200mm	0.76mm x 4.76mm	2.54
<b>EXTENDED PHILLIPS SCREWDRIVER, BLACK HANDLE</b>					
97-81P	290mm	5.0mm	200mm	#1	2.54



## LENLINE LINE VOLTAGE TESTER AND SCREWDRIVER

A popular and widely used screwdriver and AC line tester. Identifies the positive side of the AC receptacle in 100 to 500 Volt situations. Well insulated, breakproof plastic handle complete with pocket clip.

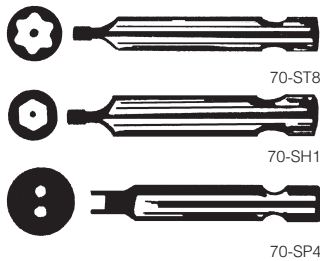
Cat. No.	Net Price
70-26	\$1.79



## LENLINE POCKET SCREWDRIVER WITH CLIP

Small pocket screwdriver with clip. Plastic handle. Overall length 4".

Cat. No.	Net Price
70-80	\$0.99

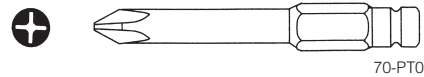


## LENLINE SECURITY POWER AND SCREWDRIVER TIPS

Cat. No.	Description	Net Price
<b>1 1/16" x 1/4" TEE STAR, TIPS FIT ALL TAMPER PROOF TORX</b>		
70-ST8	T8 Security Tee Star	\$4.14
70-ST9	T9 Security Tee Star	4.14
70-ST10	T10 Security Tee Star	4.14
70-ST15	T15 Security Tee Star	4.14
70-ST20	T20 Security Tee Star	4.14
70-ST25	T25 Security Tee Star	4.14

<b>1 1/16" x 1/4" HEX KEYS</b>		
70-SH1	3/32" Security Hex Key	4.29
70-SH2	7/64" Security Hex Key	4.29
70-SH3	1/8" Security Hex Key	4.29
70-SH4	9/64" Security Hex Key	4.29
70-SH5	5/32" Security Hex Key	4.29
70-SH6	3/16" Security Hex Key	4.29
70-SH7	7/32" Security Hex Key	4.29
70-SH8	1/4" Security Hex Key	4.29
70-SH9	5/16" Security Hex Key	4.29

<b>1 1/16" x 1/4" SPANNER</b>		
70-SP4	#4 Spanner	4.14
70-SP6	#6 Spanner	4.14
70-SP8	#8 Spanner	4.14
70-SP10	#10 Spanner	4.14
70-SP12	#12 Spanner	4.14



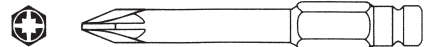
## 1 1/16" x 1/4" PHILLIPS 59-62 ROCKWELL TIPS

Cat. No.	Description	Net Price
70-PT0	#0 Phillips	\$1.57
70-PT1	#1 Phillips	1.57
70-PT2	#2 Phillips	1.57



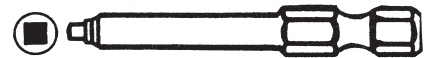
## 1-5/16" x 1/4" SLOT POWER AND SCREWDRIVER TIPS

Cat. No.	Description	Net Price
70-SS12	#1-2 Slot	\$1.79
70-SS23	#2-3 Slot	1.79
70-SS34	#3-4 Slot	1.79



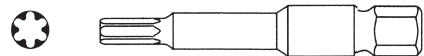
## 1-5/16" x 1/4" PHILLIPS POZI-DRIVE POWER AND SCREWDRIVER TIPS

Cat. No.	Description	Net Price
70-PZ0	#0 Pozidrive	\$1.57
70-PZ1	#1 Pozidrive	1.57
70-PZ2	#2 Pozidrive	1.57
70-PZ3	#3 Pozidrive	1.57
70-PZ4	#4 Pozidrive	3.57



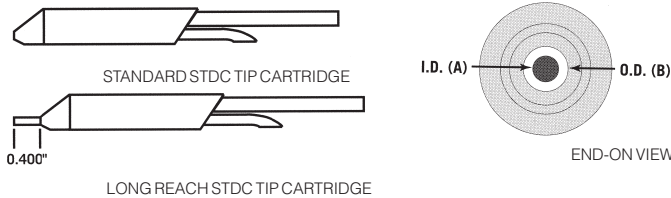
## 1-5/16" x 1/4" ROBERTSON SQUARE POWER AND SCREWDRIVER TIPS

Cat. No.	Description	Net Price
70-R0	#0 Square	\$1.50
70-R1	#1 Square	1.43
70-R2	#2 Square	1.43
70-R3	#3 Square	1.43
70-R4	#4 Square	2.57



## 1-5/16" x 1/4" STANDARD TEE-STAR POWER AND SCREWDRIVER TIPS

Cat. No.	Description	Net Price
70-T3	T3 Power Tip	\$2.86
70-T5	T5 Power Tip	2.86
70-T6	T6 Power Tip	2.86
70-T7	T7 Power Tip	2.86

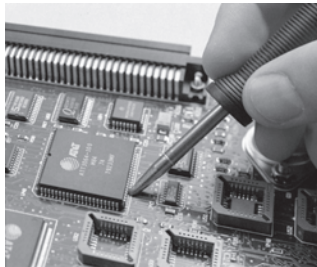
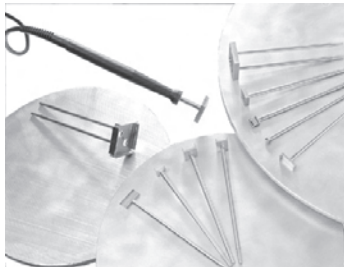


## STDC TIP CARTRIDGES FOR MX DESOLDERING SYSTEM

STDC cartridges are highly durable and designed for high heat transfer, making desoldering on multi-layer boards much easier. Desolder cartridges are available in three temperature ranges (600, 700, and 800 Series). A typical board usually requires a 700 Series tip cartridge. Try a 600 Series tip cartridge first for thermally sensitive components or small single-sided board. 800 Series tip cartridges can help you do the most stubborn jobs. **NOTE:** Use with MX-DS1 pistol grip desoldering handpiece only.

Cat. No.	Dimensions (In.)		Temperature (°F)	Net Price
	A	B		
<b>600 SERIES</b>				
STDC-002	0.025	0.055	600	\$46.95
STDC-003	0.030	0.066		46.95
STDC-004	0.040	0.070		46.95
<b>700 SERIES</b>				
STDC-104	0.040	0.070	700	46.95
STDC-105	0.050	0.080		46.95
STDC-106	0.060	0.090		46.95
<b>800 SERIES</b>				
STDC-802	0.025	0.055	800	69.40
STDC-803	0.030	0.066		69.40
STDC-804	0.040	0.070		69.40
<b>LONG REACH</b>				
STDC-703L	0.030	0.066	700	52.06
STDC-704L	0.040	0.070		52.06
STDC-705L	0.050	0.080		52.06

**NOTE:** For other MX tip sizes contact your Electro Sonic sales representative.



## SMARTHEAT® TIP CARTRIDGES

Metcal's SmartHeat® tip cartridges are the heart of every Metcal system. They utilize a self-regulating ferromagnetic heater to deliver just the right amount of heat to the solder connections. Changing cartridges is quick and easy—no screws, no hassles. A Metcal tip cartridge combines heating and sensing capabilities into a self-regulating cartridge. Since there are no separate sensors and controllers, there are no electronics to calibrate. Metcal tip cartridges provide continuous temperature control with no maintenance, providing the user with high soldering throughput at low temperatures.

## MX SERIES TIP CARTRIDGES

Cat. No.	Description	Applications	Net Price
STTC-036	3/32 30° Chisel	600°F	\$28.18
STTC-136	3/32 30° Chisel	700°F	28.18
STTC-036	1/16 90° Chisel	600°F	28.18
STTC-537	3/64 30° Chisel	500°F	28.18
STTC-037	3/64 30° Chisel	600°F	28.18
STTC-138	3/64 30° Chisel	700°F	28.18
STTC-025	1/32 30° Chisel	600°F	28.18
STTC-125	1/32 30° Chisel	700°F	28.18
STTC-022	1/64 Conical°F	600°F	28.18
STTC-122	1/64 Conical°F	700°F	28.18
STTC-026	1/64°F (Bent 30°)	600°F	28.18
STTC-126	1/64°F (Bent 30°)	700°F	28.18
STTC-045	1/128 60° Bevel	600°F	28.18
STTC-145	1/128 60° Bevel	700°F	28.18
STTC-101	1/32 Conical°F	700°F	28.18
STTC-540	1/64 Con. Sharp (Bent 30°)	500°F	28.18
STTC-040	1/64 Con. Sharp (Bent 30°)	600°F	28.18
STTC-140	1/64 Con. Sharp (Bent 30°)	700°F	28.18
SMTTC-1167	Mini-hoof	Drag soldering	54.59
SMTTC-1161	Knife		54.59
TATC-501	Talon cartridge	0.015" tip	128.44
TATC-601	Talon cartridge	0.015" tip	128.44

**NOTE:** For other MX tip cartridge sizes contact your Electro Sonic sales representative.



SP440

## SP440 SMARTHEAT DESOLDERING SYSTEM

The Metcal® SP440 Self-Contained Desoldering System is designed for production level through-hole rework applications. With 50 Watts of power and tips specially designed to maximize heat transfer, the SP440 is ideal for heavy load desoldering of components on heavy ground plane and multilayer PCBs. The SP440 delivers superior Metcal performance at a price competitive with lesser tools.

The whisper quiet, self-contained vacuum pump delivers a powerful vacuum capable of clearing through-holes quickly and completely. Because the vacuum system is built into the unit, the SP440 is portable and ideal for areas lacking shop air.

The lightweight quiet, ergonomic pencil grip desolder tool is designed to maximize operator control and comfort while reducing fatigue during rework. The

Continued on next page....

cable and vacuum tubing are burn proof. And the solder collection chamber has been designed for easy cleaning—no glass tubes!

The SP440 self-contained desoldering system includes a 50 watt power supply with self-contained vacuum, desolder tool, and workstand. The SP440 has an automatic time-out feature to extend tip life. A variety of desolder tips are sold separately.

### SP-440 SELF-CONTAINED DESOLDERING SYSTEM

Cat. No.	Description	Net Price
SP440-11	Base unit	\$860.44
DP-DSG2	Desolder handpiece	236.93
DP-WSK2	Workstand	53.95

Tip cartridges for all systems sold separately.



### METCAL PS-800 SOLDERING SYSTEM

Historically, Metcal has redefined soldering performance and now they have significantly shifted the price/performance ratio. The PS-800 Soldering System delivers the industry standard thermal performance of Smartheat®, with a compact power supply that fits on or under the bench. However, small size and low cost belie the full capabilities of the PS-800 Soldering System. The system is pure Metcal, featuring variable power/fixed temperature control in an iron that requires no calibration. Cost of ownership is minimal, as the PS-800 Soldering System uses replacement heater tips rather than cartridges. The long-life heater coil remains in the handle, while replaceable tips that contain the heater itself, are easily removed and replaced. Metcal has developed a range of 33 soldering tips with a wide range of temperatures. Designed to be the perfect soldering system for repetitive manual assembly and touch-up, the thermal performance of the PS-800 Soldering System is unmatched by systems costing three times as much.

Cat. No.	Net Price
PS-800	\$310.91

NOTE: For a complete line of PHT soldering tips and accessories contact your Electro Sonic sales representative.



### SP200 SOLDERING SYSTEM

THE SP200: NOW YOU DON'T HAVE TO SETTLE FOR SECOND BEST IN SOLDERING SYSTEMS

With increased competition, companies of all sizes are being driven to cut costs—without cutting corners. Now you don't have to settle for second best—the SP200 delivers 100% Metcal Direct Power performance for soldering applications. Just as in all Metcal SmartHeat systems, there is no calibration required.

The SP200 is an ideal choice for both large and small companies. You can put an SP200 on the benches of through-hole soldering and surface mount touch-up benches, and a Metcal MX500 Surface Mount Rework System on the benches of your SMT rework operators.

### SP200 SYSTEM SOLDERING SYSTEM

Cat. No.	Description	Net Price
SP200-11	Soldering System	\$386.58
SP-PW1	Power supply	314.68
SP-HC1	Handpiece with cord	77.07
SP-WSK1	Workstand with sponge	53.95
STSS-CP2	Cartridge removal pad	8.87

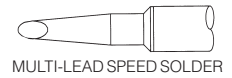
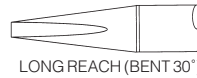
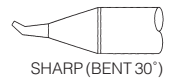
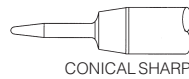
NOTE: Tip cartridges sold separately.

### SP200 SOLDERING ACCESSORIES

Cat. No.	Description	Net Price
SP-HC1	Solder handle/cord for SP200	\$77.07
SP-WSK1	Solder workstand with YS3 sponge	53.95
AC-YS3-P	Sponge for WSK1/WSK2	48.17

### MISCELLANEOUS ACCESSORIES

Cat. No.	Description	Net Price
AC-TSTAND	Tip stand	\$49.88
AC-TCASE	Tip case*	87.29
AC-CP2	Cartridge removal pad	7.71
AC-BRUSH-P	Cartridge cleaning brush	61.65

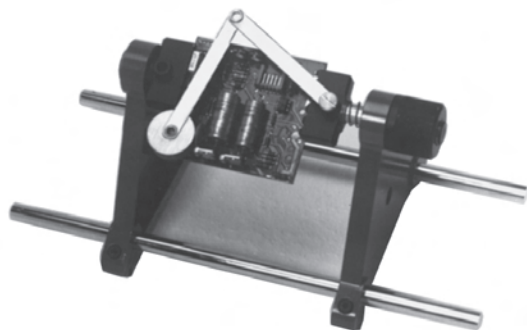


### SSC SOLDERING CARTRIDGES FOR THE SP200

For maximum performance, pick a tip geometry with will maximize contact with the connection. A flat, blunt tip will transfer more heat than a fine, pointed one. Choosing the largest tip possible will improve performance (enabling you to get more heat at lower temperatures), and enhance tip life.

Each Metcal tip cartridge is designed for high power delivery, so you can often solder 100°F or more lower than with a conventional iron. For most applications, a 600 Series tip cartridge will provide enough power and flexibility to do the job. Switch to a 700 Series only where absolutely necessary; for example, when working with heavy ground planes. When working with no-cleans or thermally sensitive applications, Metcal's 500 Series tip cartridges are an excellent choice.

Cat. No.	Series	Description	Net Price
<b>1/32 CONICAL SHARP</b>			
SSC-501A	500 Series	For light duty applications requiring	\$19.33
SSC-601A	600 Series	extra length.	19.33
SSC-701A	700 Series		19.33
<b>1/64 SHARP (BENT 30°)</b>			
SSC-526A	500 Series	A bent SSC-x22A. Good for SMT	19.33
SSC-626A	600 Series	touch-up. <i>Not for general throughhole.</i>	19.33
SSC-726A	700 Series		19.33
<b>1/64 LONG REACH (BENT 30°)</b>			
SSC-554A	500 Series	A long reach SSC-x26A. <i>Not for</i>	19.33
SSC-654A	600 Series	<i>general throughhole.</i>	19.33
SSC-754A	700 Series		19.33
<b>MULTI-LEAD SPEED SOLDER</b>			
SSC-539A	500 Series	Designed for drag soldering of fine pitch	31.52
SSC-639A	600 Series	parts, both gull-wing	31.52
SSC-739A	700 Series	and J-lead.	31.52



## WELLER VERSATILE CIRCUIT BOARD VICE-HOLDER

Now Weller brings you complete control for soldering or desoldering printed circuit boards or other projects of almost any shape and size. The work-piece, which is held in place by spring clamps, can be rotated through 360° in increments of 15° allowing work to be performed at any convenient angle. Held in position by a cushioned arm, the components placed in the circuit board can be soldered from the other side by rotating the control knob. A firm work surface is assured by a well positioned centre of gravity and built-in rubber feet. The vice-holder, which is made throughout of quality components, can take a maximum mounting surface of 160 x 235mm (Double Europe) and offers many possibilities for attaching different shaped components, connectors, soldering strips etc. It was specially designed for electronic hobbyists, but can also be used for laboratory, repair work and small production runs.

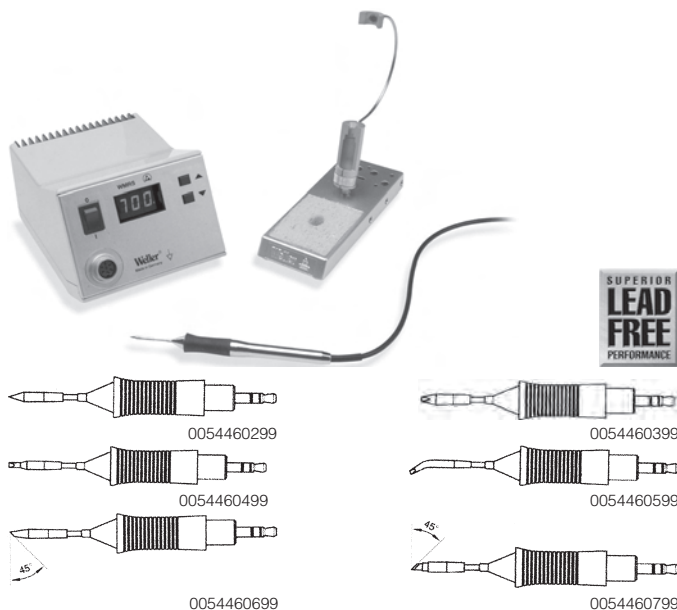
Cat. No.	Description	Net Price
0051502699	Was ESF120ESD	\$70.50



## WELLER WES51 WIRELESS TEMPERATURE LOCKOUT SOLDERING STATION

Wireless temperature lockout to prevent operators from raising the temperatures to levels other than specified for the board or component. Gives you control over the process. Designed for continuous production soldering. Innovative heater and sensor combination gives you quick heat up and rapid temperature recovery. Slip, comfortable hand piece reduces operator fatigue. Tip temperature offset capability which provides the user with the capability of resetting station temperature readings to match in tip sizes and styles. UL and cUL listed. Uses a complete range of ET tips found in the Weller section. ESD Safe. **SPECIFICATIONS:** Input Voltage: 120V. Output Voltage: 24V. Temperature Accuracy: Calibrated to +/-9°F (+/-5°C). Temperature Stability: +/-10°F (+/-6°C). Weight: 3.93 lbs. Dimensions: 6-1/2" x 4-1/2" x 4" (165 x 114 x 102cm).

Cat. No.	Description	Net Price
WES51	Analog soldering station comes complete with power unit, soldering pencil, ETA tip and stand with sponge.	\$154.00
WESD51	Digital soldering station comes complete with power unit, soldering pencil, ETA tip and stand with sponge.	184.00



## WELLER WMRS MICRO REWORK SOLDERING STATION

**FEATURES AND BENEFITS:** Designed for fine pitch, high density SMT soldering and rework. Digital electronics. The heating element is contained in the tip for fast heat-up. Pencil is made of aluminum with chrome plating and weighs just 75 g. The pencil powers down when placed in the holder to extend tip life. The pencil has a Reed switch to give you auto-off capability. The "tip to grip" distance is 45 mm, placing you close to the work. A swivel head on the stand allows for adjustment of the pencil tilt angle. A receptacle for depositing hot tips is mounted on the side of the stand. Uses RT Series tips.

Cat. No.	Description	Net Price
WMRS	Micro rework soldering station	\$491.99

### SOLDERING TIPS FOR WMRS

Cat. No.	Description	Net Price
0054460299	.016" Needle	35.27
0054460399	.051" Needle	35.27
0054460499	.059" Needle	35.27
0054460599	.031" Needle	35.27
0054460699	.047" Needle	35.27
0054460799	.110" Needle	37.04

## SOLDERING TIPS FOR MT1500 SOLDERING STATIONS

### STANDARD TIPS

Cat. No.	Description	Net Price
<b>CONICAL</b>		
MT302	Conical Sharp, .015 x .200L	\$67.22
MT606	Conical Sharp, .016 x .530L	68.63
MT609	Conical Sharp, .023 x .600L	68.63
MT613	Conical Sharp, .020 x .530L	68.63

### CONICAL BENT

MT303	Conical Bent, 30 deg., .015 x .320L	67.22
MT603	Conical Bent, 30 deg., .020 x .600L	67.22
MT605	Conical Bent, (Sharp) 30 deg., .016 x .560L	68.63

### CHISEL

MT611	Chisel, .060 x .610L	68.63
MT614	Chisel, .100 x .190L	68.63

### BEVEL

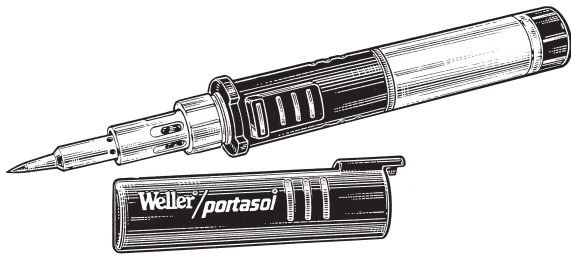
MT607	Bevel, 30 deg., .020 dia. x .580	67.22
MT608	Bevel, 30 deg., .040 dia. x .560	66.32

### SCREWDRIVER

MT211	Screwdriver, .045W x .015THK x 1.0L	65.10
MT212	Screwdriver, .045W x .005THK x 1.0L Non-Wet	74.54
MT301	Screwdriver, .047 x .200L	67.22
MT601	Screwdriver, .070 x .385L	67.22
MT602	Screwdriver, .100 x .390L	68.63
MT604	Screwdriver, .060 x .390L	68.63
MT610	Screwdriver, .200 x .350L	68.63
MT620	Calibration Tip—600 Series	68.63

### SURFACE MOUNT TIP

Cat. No.	Description	Net Price
<b>SIP</b>		
MT617	SIP (Blade) .410L	\$142.28



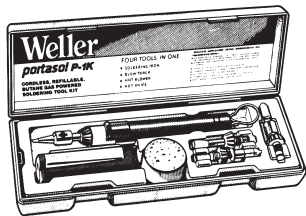
## WELLER PSI-100 PORTASOL CORDLESS PROFESSIONAL SOLDERING TOOL ALLOWS ANTI-STATIC SOLDERING

The Weller/Portasol Professional is a very high quality, yet affordable self-igniting soldering tool. **FEATURES:** Runs for up to two hours on a single butane refill. Self-igniting. Solders, heat shrinks, cuts nylon rope. Temperature adjustable up to 1,076° F. Rugged stainless steel body. Uses standard butane fuel. Auto Safety Switch. Anti-Static. Ten professional quality, iron plated tips available.

Cat. No.	Description	Net Price
PSI100C	Cordless Soldering Tool	\$84.00
PSI100K	Same as above only in a kit. Contains: PSI-100 Soldering Tool, PSI 6 (24mm) Double Flat Tip, PSI9 Hot Blower, PSI 8 (4.8mm) Double Flat Tip, PSI10 Hot Knife, Cleaning Sponge and Rugged Storage Case.	98.25

### TIPS FOR PSI-100 PORTASOL CORDLESS SOLDERING IRON

Cat. No.	Description	Net Price
PSI1	1/32" single flat tip	\$14.40
PSI2	3/32" single flat tip	14.40
PSI3	1/8" single flat tip	14.40
PSI4	3/16" single flat tip	14.40
PSI5	1/32" single flat tip	14.40
PSI6	3/23" double flat tip	14.40
PSI7	1/8" double flat tip	14.40
PSI8	3/16" double flat tip	14.40
PSI9	Hot blow tip	14.40
PSI10	Hot knife tip	14.40



## WELLER P2C PORTASOL CORDLESS SOLDERING TOOL

Adjustable temperature control (equivalent to 10-60 watts) melts solder in less than 40 seconds. Up to 90 minute continuous use fuel capacity (refill with butane lighter gas). Safety cut-off switch when cap is replaced. Patented catalytic converter that provides powerful safe flameless combustion. Fast, flint sparked ignition in cap. Kit contains 1 each: Portasol iron; 3/32" iron plated soldering tip; cleaning sponge; blow torch, hot blower and hot knife accessories all stored in rugged plastic case.

Cat. No.	Description	Net Price
P2C	Portasol Cordless Soldering Tool.	\$48.24
P2KC	Same great Portasol Soldering Tool, only in a Kit. Contains: Portasol Soldering Tool with iron plated 2.4mm Tip, Hot Knife Tip, Blow Torch, Hot Blower, Cleaning Sponge, Safety Stand and Rugged Plastic Case.	74.97

### REPLACEMENT TIPS FOR PORTASOL

Cat. No.	Size	Description	Net Price
T1	1/32"	Micro Spade	\$14.09
T2	3/32"	Spade	14.09
T3	1/8"	Spade	14.09
T4	3/16"	Spade	14.09
T5	—	Blow Torch	14.09
T6	—	Hot Blower	14.09
T7	—	Hot Knife	14.09



### REPLACEMENT TIPS FOR EC1201A IRONS

Cat. No.	Point Size	Description	Net Price
ETA	1/16"	Screwdriver	\$5.67
ETB	3/32"	Screwdriver	5.67
ETC	1/8"	Screwdriver	5.67
ETD	3/16"	Screwdriver	5.67
ETH	1/32"	Screwdriver	5.67
ETP	1/32"	Conical	5.67
ETCC	1/8"	Single Flat	5.67
ETDD	3/16"	Single Flat	5.67
ETO	1/32"	Long Conical	5.67
ETS	1/64"	Long Conical	5.67
ETK	3/64"	Long Screwdriver	5.67
ETL	3/64"	Long Screwdriver	5.67
ETM	1/8"	Long Screwdriver	5.67
ETR	1/16"	Narrow Screwdriver	5.67



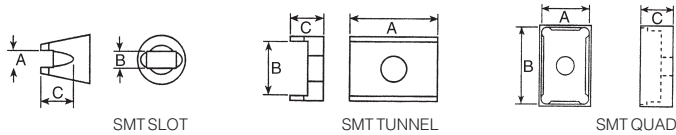
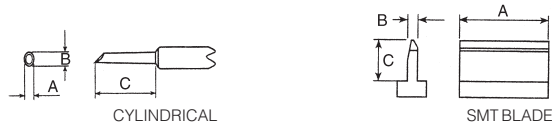
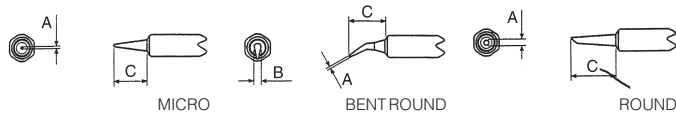
### REPLACEMENT TIPS FOR EC1302A IRONS

Cat. No.	Point Size	Description	Net Price
EPH101	1/64"	Micropoint	\$5.83
EPH110	1/64"	Micropoint	5.83
EPH102	1/32"	Bent Conical	5.83
EPH109	1/32"	Conical	5.83
EPH107	3/64"	Screwdriver	5.83
EPH106	1/16"	Screwdriver	5.83
EPH103	1/32"	Single Flat	5.83
EPH105	3/64"	Single Flat	5.83



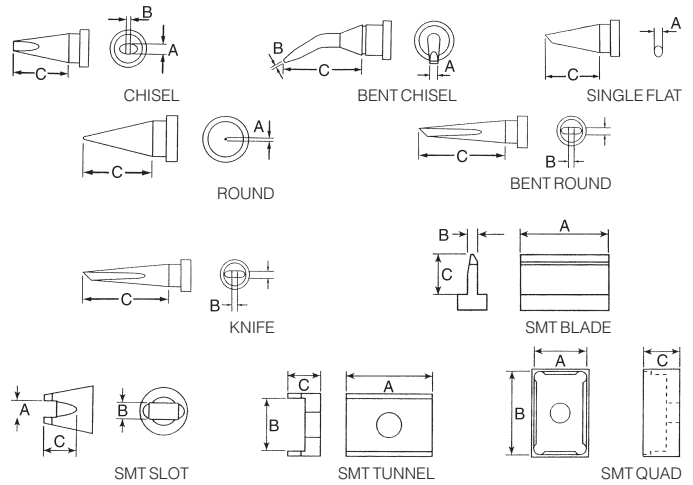
### REPLACEMENT TIPS FOR EC1503A IRONS

Cat. No.	Point Size	Description	Net Price
EMA	1/16"	Chisel	\$14.33
EMH	1/32"	Chisel	14.33



### REPLACEMENT TIPS FOR WMP MICRO SOLDERING PENCIL

Cat. No.	Point Size			Net Price
	A	B	C	
<b>MICRO TIP</b>				
NT1	0.010"	—	0.291"	\$11.52
NT1S	0.010"	—	0.333"	11.52
<b>BENT ROUND</b>				
NT1X	0.016"	0.063"	0.321"	13.83
<b>ROUND</b>				
NT4	0.047"	—	0.390"	11.52
<b>CHISEL</b>				
NT6	0.063"	0.016"	0.372"	11.76
NTA	0.063"	0.016"	0.331"	11.76
NTB	0.094"	0.031"	0.289"	11.76
NTC	0.126"	0.031"	0.305"	11.76
NTD	0.157"	0.031"	0.305"	11.76
NTH	0.031"	0.016"	0.331"	11.76
NTK	0.047"	0.016"	0.331"	11.76
<b>BENT CHISEL</b>				
NTAX	0.063"	0.031"	0.339"	14.10
<b>CYLINDRICAL</b>				
NTGW	0.079"	0.118"	0.528"	20.00
<b>SMT BLADE</b>				
NTSMT01	0.410"	0.022"	0.280"	56.55
NTSMT02	0.620"	0.022"	0.280"	91.74
NTSMT03	0.820"	0.022"	0.280"	98.79
<b>SMT SLOT</b>				
NTSMT04	0.070"	0.195"	0.070"	44.69
NTSMT05	0.060"	0.090"	0.070"	44.69
NTSMT06	0.100"	0.068"	0.055"	44.69
NTSMT07	0.090"	0.190"	0.070"	44.69
<b>SMT TUNNEL</b>				
NTSMT08	0.180"	0.200"	0.090"	51.75
NTSMT09	0.410"	0.200"	0.090"	51.75
NTSMT10	0.450"	0.270"	0.090"	51.75
NTSMT11	0.520"	0.375"	0.125"	51.75
NTSMT12	0.620"	0.375"	0.125"	51.75
NTSMT13	0.720"	0.375"	0.125"	51.75
<b>SMT QUAD</b>				
NTSMT19	0.750"	0.750"	2.350"	84.68
NTSMT20	0.915"	0.680"	0.150"	112.91
NTSMT21	0.965"	0.965"	2.350"	112.91



### REPLACEMENT TIPS FOR WSP80 IRONS

Cat. No.	Point Size			Net Price
	A	B	C	
<b>CHISEL</b>				
LTA	0.063"	0.028"	0.380"	\$8.27
LTB	0.094"	0.031"	0.430"	8.27
LTC	0.126"	0.031"	0.430"	8.27
LTD	0.181"	0.031"	0.430"	8.27
LTH	0.031"	0.016"	0.430"	8.27
LTK	0.047"	0.016"	0.730"	8.27
LTL	0.039"	0.039"	0.790"	8.06
LTM	0.126"	0.047"	0.790"	8.06
<b>BENT CHISEL</b>				
LT4X	0.047"	0.016"	0.590"	8.27
LTAX	0.063"	0.032"	0.500"	8.27
LTHX	0.024"	0.016"	0.790"	5.63
<b>SINGLE FLAT</b>				
LTF	0.047"	—	0.490"	8.27
<b>ROUND</b>				
LT1	0.010"	—	0.430"	8.27
LT1L	0.008"	—	0.980"	8.06
LT1S	0.016"	—	0.790"	8.27
LTAS	0.630"	—	0.380"	8.27
LTCS	0.126"	—	0.430"	8.27
LTS	0.016"	—	0.790"	8.06
<b>BENT ROUND</b>				
LT1LX	0.008"	—	0.980"	8.06
LT1SLX	0.012"	—	0.760"	7.73
LT1X	0.010"	—	0.370"	8.27
<b>KNIFE</b>				
LTKN	0.059"	0.033"	0.730"	8.27
<b>SMT BLADE</b>				
LTSMT01	0.410"	0.022"	0.280"	82.32
LTSMT02	0.620"	0.022"	0.280"	91.74
LTSMT03	0.820"	0.022"	0.280"	98.79
<b>SMT SLOT</b>				
LTSMT04	0.070"	0.195"	0.070"	44.69
LTSMT05	0.060"	0.090"	0.070"	44.69
LTSMT06	0.100"	0.068"	0.055"	44.69
LTSMT07	0.090"	0.190"	0.070"	44.69
<b>SMT TUNNEL</b>				
LTSMT08	0.180"	0.200"	0.090"	51.75
LTSMT09	0.410"	0.200"	0.090"	51.75
LTSMT10	0.450"	0.270"	0.090"	51.75
LTSMT11	0.520"	0.375"	0.125"	51.75
LTSMT12	0.620"	0.375"	0.125"	51.75
<b>SMT QUAD</b>				
LTSMT15	0.150"	0.303"	0.150"	84.68
LTSMT16	0.410"	0.410"	0.150"	84.68
LTSMT17	0.500"	0.500"	0.150"	84.68
LTSMT18	0.540"	0.340"	0.150"	84.68
LTSMT19	0.750"	0.750"	2.350"	84.68
LTSMT20	0.915"	0.680"	0.150"	112.91
LTSMT21	0.965"	0.965"	2.350"	112.91
LTSMT22	1.155"	1.165"	2.350"	112.91



## REPLACEMENT TIPS FOR TC201T AND TCP12P IRONS

Cat. No.	Point size	Description	Net Price
<b>600°F</b>			
PTA6	1/16"	Screwdriver	\$4.77
PTH6	1/32"	Screwdriver	4.77
PTO6	1/32"	Long Conical	4.77
<b>700°F</b>			
PTA7	1/16"	Screwdriver	4.77
PTAA7	1/16"	Single Flat	4.77
PTB7	3/32"	Screwdriver	4.77
PTBB7	3/32"	Single Flat	4.77
PTC7	1/8"	Screwdriver	4.77
PTCC7	1/8"	Spade	4.77
PTD7	3/16"	Screwdriver	4.77
PTDD7	3/16"	Single Flat	4.77
PTH7	1/32"	Screwdriver	4.77
PTP7	1/32"	Conical	4.77
PTF7	1/32"	Conical Flat	4.77
PTK7	3/64"	Long Screwdriver	4.77
PTL7	3/64"	Long Screwdriver	4.77
PTM7	1/8"	Long Screwdriver	4.77
PTO7	1/32"	Long Conical	4.77
PTR7	1/16"	Narrow Screwdriver	4.77
PTS7	1/64"	Long Conical	4.77
<b>800°F</b>			
PTA8	1/16"	Screwdriver	4.77
PTAA8	1/16"	Single Flat	4.77
PTB8	3/32"	Screwdriver	4.77
PTBB8	3/32"	Single Flat	4.77
PTC8	1/8"	Screwdriver	4.77
PTCC8	1/8"	Spade	4.77
PTD8	3/16"	Screwdriver	4.77
PTDD8	3/16"	Single Flat	4.77
PTH8	1/32"	Screwdriver	4.77
PTP8	1/32"	Conical	4.77
PTF8	1/32"	Conical Flat	4.77
PTE8	15/64"	Screwdriver	4.77
PTK8	3/64"	Long Screwdriver	4.77
PTL8	3/64"	Long Screwdriver	4.77
PTM8	1/8"	Long Screwdriver	4.77
PTO8	1/32"	Long Conical	4.77
PTR8	1/16"	Narrow Screwdriver	4.77
PTS8	1/64"	Long Conical	4.77



## REPLACEMENT TIPS FOR W60P-3

Cat. No.	Point Size	Description	Net Price
<b>700°F</b>			
CT5A7	1/16"	Screwdriver	\$7.15
CT5C7	1/8"	Screwdriver	7.15
CT5D7	3/16"	Screwdriver	7.15
CT5E7	1/4"	Screwdriver	7.15
<b>800°F</b>			
CT5A8	1/16"	Screwdriver	7.15
CT5B8	1/32"	Screwdriver	7.15
CT5C8	1/8"	Screwdriver	7.15
CT5D8	3/16"	Screwdriver	7.15
CT5E8	1/4"	Screwdriver	7.15

## REPLACEMENT TIPS FOR W100P-3

Cat. No.	Point Size	Description	Net Price
<b>600°F</b>			
CT6C6	1/8"	Screwdriver	\$9.77
CT6D6	3/16"	Screwdriver	9.77
CT6E6	1/4"	Screwdriver	9.77
CT6F6	3/8"	Screwdriver	9.77
<b>700°F</b>			
CT6C7	1/8"	Screwdriver	9.77
CT6D7	3/16"	Screwdriver	9.77
CT6E7	1/4"	Screwdriver	9.77
CT6F7	3/8"	Screwdriver	9.77

## REPLACEMENT TIPS FOR W100P-3 (CONT'D.)

Cat. No.	Point Size	Description	Net Price
<b>800°F</b>			
CT6C8	1/8"	Screwdriver	\$9.77
CT6D8	3/16"	Screwdriver	9.77
CT6E8	1/4"	Screwdriver	9.77
CT6F8	3/8"	Screwdriver	9.77



## REPLACEMENT TIPS FOR WP25-3 AND WP35-3

Cat. No.	Point Size	Net Price
ST1	1/16" Screwdriver	\$5.17
ST2	3/32" Screwdriver	5.17
ST3	1/8" Screwdriver	5.17
ST4	3/16" Screwdriver	5.17
ST5	1/32" Flat	5.17
ST6	1/32" Screwdriver	5.17
ST7	1/32" Conical	5.17
ST8	1/16" Narrow Screwdriver	5.17



## REPLACEMENT TIPS FOR SP23 "MARKSMAN" IRONS

Cat. No.	Point Size	Net Price
MT1	1/8" Cone Shape	\$5.01
MT2	1/8" Screwdriver	5.01
MT3	1/8" Chisel	5.01

## REPLACEMENT TIPS FOR SP40, SP80, SPG80, SP120 AND SP175

Cat. No.	Point Size	Net Price
MTG10	1/4" Chisel	10.31
MTG20	3/8" Chisel	9.17
MTG21	1/4" Chisel	9.17
MTG30	1/2" Chisel	14.55
MTG40	3/8" Chisel	22.35



## DESOLDERING TIPPLETS FOR DS35, DS60 AND DSTCP

Cat. No.	Inside Diameter	Net Price
DST1	.038"	\$6.90



0051314099



0051314199



0051314299



0051314399



0051314599



0051314499



0051314699

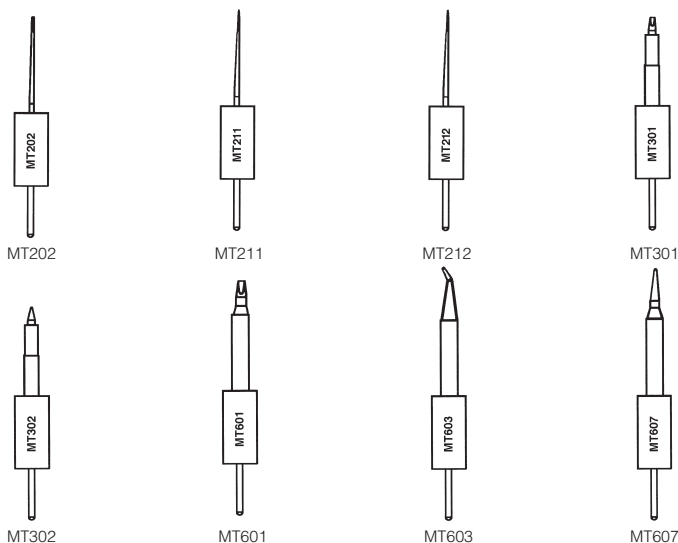
## DXV80 DESOLDERING IRON TIPS

Cat. No.	Dimensions	Net Price
0051314099	1.9 x 0.7 mm	\$22.11
0051314199	2.5 x 0.7 mm	22.11
0051314299	2.3 x 1.0 mm	22.11
0051314399	2.5 x 1.2 mm	22.11
0051314499	3.3 x 1.8 mm	22.11
0051314599	1.9 x 0.7 mm	22.11
0051314699	2.7 x 1.2 mm	22.11



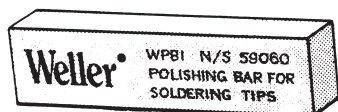
## REPLACEMENT TIPPLETS FOR DS100, DS500E AND DS600 STATIONS

Cat. No.	Description			Net Price
	Outside Dia.	Inside Dia.	Length	
DS110	.060"	.025"	.50"	\$13.39
DS111	.090"	.025"	.50"	13.39
DS112	.076"	.036"	.50"	13.39
DS113	.098"	.045"	.50"	13.39
DS114	.125"	.071"	.50"	13.39
DS116	.098"	.045"	.75"	13.39
DS117	.090"	.025"	.75"	13.39



### SOLDERING TIPS FOR MT1500 MICROTOUCH PLUS

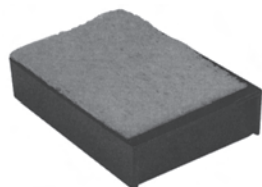
Cat. No.	Description	Net Price
MT202	Conical .030 x 1.0L	\$56.45
MT211	Conical Screwdriver .045W x 1.0L	65.10
MT212	Screwdriver .045W x 1.0L Non Wet	74.54
MT301	1/32" 30 degree Chisel	67.22
MT302	1/64" Conical Shape	67.22
MT303	Shape - 30 degree bend	67.22
MT601	1/16" 30 degree Chisel	67.22
MT603	Conical Shape - 30 degree bend	67.22
MT607	Bevel .020 Dia. x .530	67.22
MT617	Blade Tip .410L	142.28



### WELLER POLISHING BAR FOR SOLDERING TIPS

The WPB1 polishing bar is intended to clean oxidation from soldering iron tips either hot or cold. In both cases it will be necessary to re-tin the tip. If the tip is not pitted or worn, buffing with the polishing bar will clean the tip and restore new life.

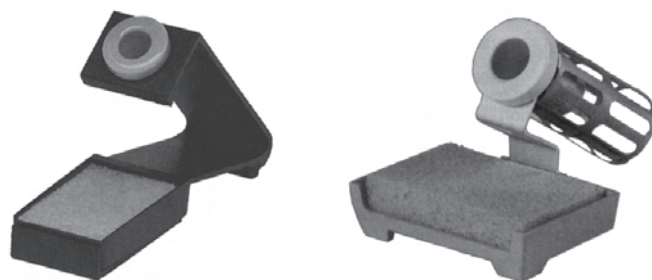
Cat. No.	Net Price
WPB1	\$10.80



### WELLER CLEAN-TIP SPONGE

Kleen-tip sponge and tray includes a specially processed sponge. Sponge used for cleaning tips of oxidation and prevents contamination.

Cat. No.	Description	Net Price
400	Kleen-tip sponge and tray	\$11.85
455	Replacement sponge	2.15



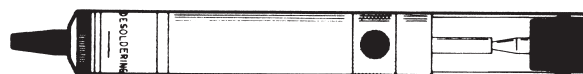
8800

9800

### WELLER 8800 AND 9800 SOLDERING IRON HOLDERS

Designed to hold all Weller soldering irons, desoldering handles, and most soldering irons with 5/16" to 7/16" diameter heater cases. Attractive functional design. Sturdy, free standing. Convenient tip cleaning sponge and tray.

Cat. No.	Description	Net Price
8800	Sponge and Tray	\$34.88
9800	Universal holder	35.28



### WELLER 7874B ANTI-STATIC DESOLDERING PUMP

Made of anodized aluminum, it includes a self-cleaning, non-clog 'static free' replaceable tip. A spring-loaded piston creates a vacuum that instantaneously removes molten solder. Double "O" ring piston seals achieve maximum vacuum in a piston stroke of less than 2". Piston is set with the thumb and is released by a pushbutton for maximum spring force. Thumbtab is depressed into the handle to prevent injury to the worker's eye when doing close tolerance desoldering.

Cat. No.	Description	Net Price
7874B	Anti-Static Desolder Pump	\$28.80
7875B	Anti-Static Replacement Tip for 7875B	6.12



### WELLER 7880 MANUAL DESOLDERING PUMP

Powerful, heavy-duty, spring-loaded vacuum for complete solder removal. Design includes cushioned plunger, easy thumb activation and ribbed pencil grip. Heat resistant Teflon tips. (Teflon is a Registered Trademark of Dupont.)

Cat. No.	Description	Net Price
7880	Desoldering Pump	\$30.08



### WELLER 7881 ANTI-STATIC DESOLDER PUMP

Powerful spring loaded vacuum tool designed for production use. Very durable. Made of impact, heat and corrosion resistant construction. ESD safe. Spring loaded piston creates a vacuum that instantaneously removes molten solder. Load by pushing down on shaft, release using push button trigger. All parts moving during suction are hidden to prevent injury.

Cat. No.	Description	Net Price
7881	Static Dissipative Desolder Pump	\$41.22
7883	Static Dissipative Tip for 7881	10.70
7884	"O"-Ring Replacement for 7881 (pkg. of 5)	8.03



## 1036 SELF-CONTAINED SMD REWORK STATION

The 1036 hot-air station was specifically designed with flexibility in mind. Capable of handling everything from the smallest chip resistor to some of the larger PLCC packages with just the change of a tip. No need to mask off areas of the board to protect components from thermal damage caused by some other rework systems. This unit meets all military and government standards set for soldering equipment and is safe for static sensitive components. Power requirements: 120V, 60Hz. Watts: 150. Temperature range: 205°C to 427°C.

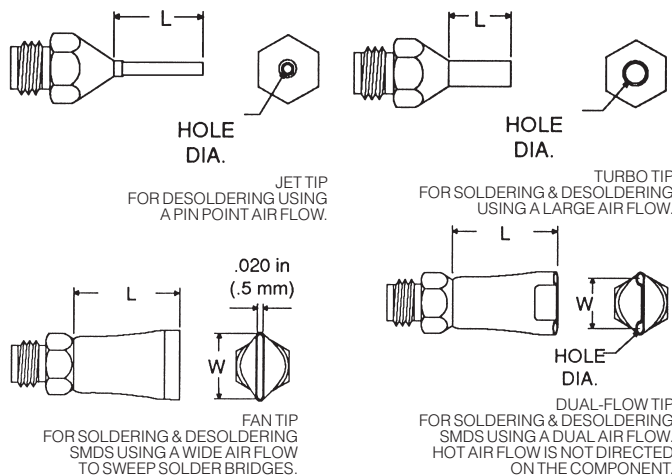
Cat. No.	Description	Net Price
1036	Self-contained SMD Rework Station	\$1085.71
1036-3	Same as 1036, only comes with 70W Soldering Tool	1605.00



## 1032 SMD REWORK STATION

The 1032 is the production version of the 1036. Requiring either shop air or other inert gas (nitrogen) to operate. One of the main features of this tool is the degree of precision and accuracy that is possible because of the fine adjustment of the built-in regulator. Like the 1036 and 1032 is also temperature controlled and static-safe. Meets all military and government standards set for production soldering equipment. Power requirements: 120V, 60Hz. Watts: 70. Temperature range: 205°C to 427°C.

Cat. No.	Description	Net Price
1032	SMD Rework Station	\$1086.00
1032-3	Same as 1032, only comes with 70W Soldering Tool.	1361.00



### LONER HOT AIR TIPS

Cat. No.	Description	Hole Dia.	L	W	Net Price
LT427	Jet Tip	0.6mm	9.5mm	N/A	\$27.14
LT428	Turbo Tip	1.5mm	6.4mm	N/A	20.00
LT426	Fan Tip	N/A	7.6mm	4.3mm	33.00
LT434	Fan Tip	N/A	11.7mm	5.7mm	35.00
LT435	Fan Tip	N/A	14.9mm	8.9mm	35.00
LT436	Fan Tip	N/A	16.5mm	10.8mm	48.00
LT526	Dual-Flow Tip	0.8mm	7.6mm	3.2mm	65.00
LT534	Dual-Flow Tip	1.2mm	11.7mm	5.1mm	65.00
LT535	Dual-Flow Tip	1.2mm	14.9mm	7.0mm	58.00
LT536	Dual-Flow Tip	1.2mm	16.5mm	8.9mm	40.00

FOR ADDITIONAL TIPS PLEASE CONTACT ELECTRO SONIC.



## EDSYN 951SX SOLDERING STATION

The 951SX Edsyn Loner Soldering Station fits almost every soldering application well. It's main features include a small, lightweight handle, powerful heating element and very fast and stable electronic temperature control. This gives the operator the choice of soldering tips rather than the tool being the limiting factor. This unit meets all Military and government standards set for soldering equipment and is safe for static sensitive components. Comes with tip cleaning sponge. Temperature regulation indicator. Temperature range: 205°C to 427°C. Power requirements: 120V, 60Hz. Watts: 70.

Cat. No.	Net Price
951SX	\$164.29

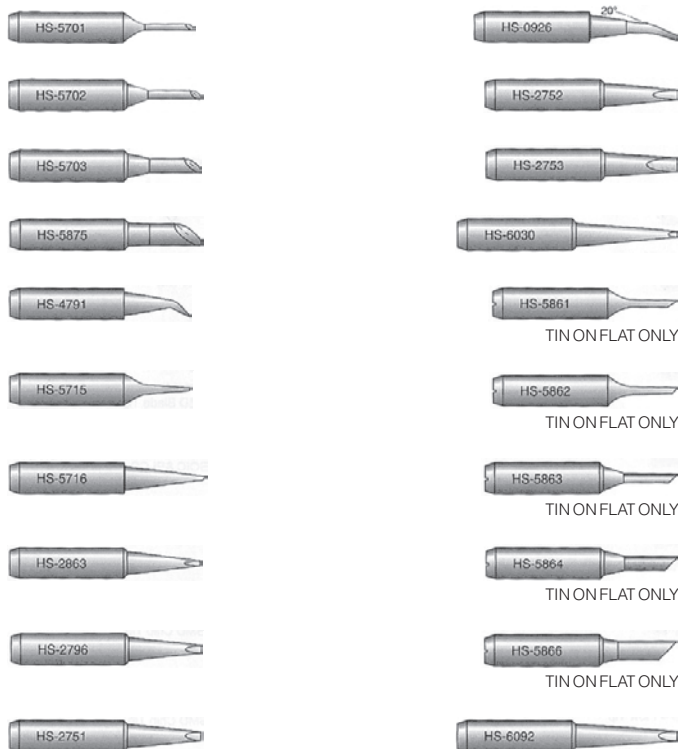
# Plato Soldering/Desoldering Tips

MANU  
484  
CODE

# PLATO®

## PLATO® QUALITY SOLDERING TIPS

**FEATURES:** Top quality. Long life. Fast heat recovery. Competitively priced. Custom tips for robotic and special applications.

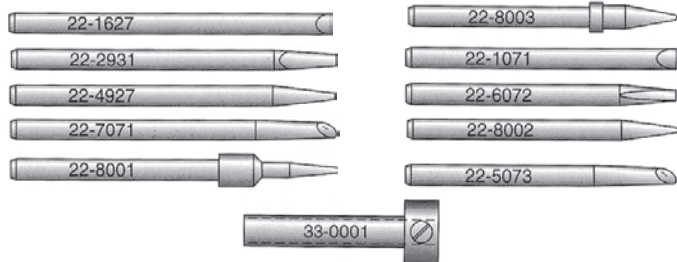


Fits Hakko Solder Stations 926, 927, 928, 936, 937, 702, 703, 703B. Handpieces: 900M, 907, 913.

Cat. No.	Tip Thickness Inches (mm)	Net Price
HS-5701	3/16 (1.2)	\$5.40
HS-5702	5/16 (2.0)	5.40
HS-5703	1/8 (3.0)	5.40
HS-5875	5/32 (4.0)	5.40
HS-4791	0.016 (0.4)	9.28
HS-5715	0.19 (0.5)	7.20
HS-5716	0.32 (0.8)	7.20
HS-2863	1/32 (0.8)	6.26
HS-2796	3/64 (1.2)	5.40
HS-2751	1/16 (1.6)	5.40
HS-0926	0.04 (1.0)	6.07
HS-2752	3/32 (2.4)	5.40
HS-2753	1/8 (3.2)	5.40
HS-6030	3/64 (1.2)	6.24
HS-5861	.059 (1.5)	7.31
HS-5862	.047 (1.2)	5.96
HS-5863	.079 (2.0)	5.96
HS-5864	.118 (3.0)	5.96
HS-5865	.158 (4.0)	5.96
HS-6092	5/64 (2.0)	6.24



Cat. No.	Tip Thickness Inches (mm)	Net Price
33-6055	1/16 (1.5)	\$5.56
33-8142	1/32 (0.8)	5.56
33-6058	1/8 (3.2)	5.56
33-1657	1/16 (1.5)	5.56
33-8141	1/64 (0.4)	5.56
33-1658	3/16 (4.8)	5.56
33-1144	1/32 (0.8)	5.56
33-6057	3/32 (2.4)	5.56
33-1146	.047 (1.2)	5.56
33-8143	.020 (0.5)	5.56
33-5894	1/8 (3.2)	5.56
33-6056	1/16 (1.5)	5.56
33-5895	.135 (3.4) SMD Flow Tip	5.21
33-1147	1/16 (1.5)	5.56
33-1148	.025 (0.6)	5.56
33-5896	.06 (1.5) SMD Tip	5.21
33-5897	.07 (1.8) SMD Tip	5.21
33-5898	.09 (2.3) SMD Tip	5.21



1/8" diameter solder tips to fit Pace PS-90 using adapter.

Cat. No.	Tip Thickness Inches (mm)	Net Price
22-1627	1/8 (3.2)	\$4.44
22-2931	1/16 (1.6)	4.44
22-4927	.020 (0.5)	4.44
22-7071	3/32 (2.4)	4.44
22-8001	.020 (0.5)	4.44
22-8003	1/32 (0.8)	4.44
22-1071	1/8 (3.2)	4.44
22-6072	1/16 (1.6)	4.44
22-8002	1/32 (0.8)	4.44
22-5073	3/32 (2.4)	4.44

**ADAPTER TO BE USED WITH ALL 1/8" DIAMETER SOLDER AND DESOLDER TIPS**

33-0001	.132 (3.4)	7.83
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1380

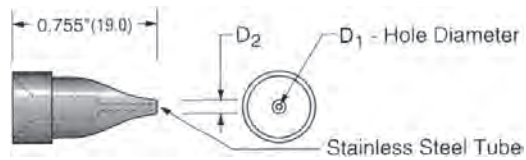
PARTS INDICATED WITH A LEAF ARE CONSIDERED RoHS JULY 2006 COMPLIANT BASED ON THE MANUFACTURER'S CONFIRMATION AT THE TIME OF PUBLISHING. PRICES SUBJECT TO CHANGE WITHOUT NOTICE, APPLICABLE TAXES NOT INCLUDED

electrosonic

# Plato Soldering/Desoldering Tips

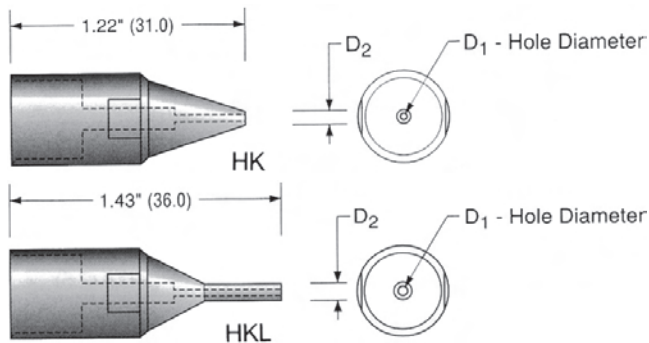
## PLATO® QUALITY DESOLDERING TIPS

**FEATURES:** Top quality. Long life. Clog resistant. Competitively priced. Custom tip designs on request. Iron plate to resist erosion by solder.



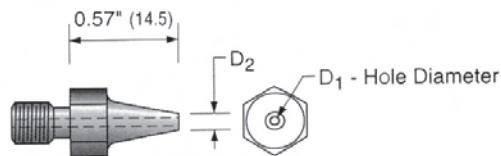
These Desolder tips fit Hakko Stations 470, 470B, 471, 472, 472B, 473, 702, 703.

Cat. No.	Dimensions Inches (mm)		Net Price
	D1	D2	
HK-0878	.030 (0.8)	.070 (1.8)	\$17.70
HK-0879	.040 (1.0)	.080 (2.0)	17.70
HK-0880	.030 (0.8)	.090 (2.3)	17.70
HK-0881	.040 (1.0)	.100 (2.5)	17.70
HK-0882	.050 (1.3)	.120 (3.0)	17.70
HK-0883	.060 (1.5)	.120 (3.0)	17.70



Desoldering tips to fit Hakko Stations 483, 700, and 707.

Cat. No.	Dimensions Inches (mm)		Net Price
	D1	D2	
HK-0008	.030 (0.8)	.090 (2.3)	\$23.56
HK-0010	.040 (1.0)	.090 (2.3)	23.56
HK-0013	.050 (1.3)	.100 (2.5)	23.56
HK-0016	.060 (1.5)	.120 (3.0)	23.56
HKL-0010	.040 (1.0)	.090 (2.3)	23.56



Desolder tips to fit Hakko 481 and 706.

Cat. No.	Dimensions Inches (mm)		Net Price
	D1	D2	
TM-007	.030 (0.8)	.070 (1.8)	\$16.01
TM-010	.040 (1.0)	.090 (2.3)	16.01
TM-013	.050 (1.3)	.100 (2.5)	16.01
TM-015	.060 (1.5)	.120 (3.0)	16.01
TM-023	.090 (2.3)	.170 (2.8)	16.01



## PLATO® GENERAL PURPOSE SOLDER POTS

Plato® general purpose solder pots control temperature to  $\pm 11^\circ\text{F}$  ( $\pm 6^\circ\text{C}$ ) through the use of a thermal timer switch with automatic correction for voltage fluctuations. **FEATURES:** Three position control switch with infinitely variable temperature control. Safety heat shield. Removable cross tray for easy cleaning. 2.5" (64mm) diameter by 1.5" (38mm) deep crucible. Adjustable leveling feet. Capacity: 2.0 lbs (1 kg). **Porcelainized solder pot crucible:** Easy to clean and offers a long service life. Solder will not adhere to the porcelainized surface, which allows easier maintenance. Resists corrosion from activated fluxes and chemicals.

Cat. No.	Input VAC	Wattage	Temperature Range	Net Price
<b>CAST IRON CRUCIBLE</b>				
SP-101	120	350	500° to 975°F (525°C)	\$370.36
SP-201	240	350	500° to 975°F (525°C)	370.63
SP-301	120	500	500° to 1100°F (595°C)	382.83
SP-401	240	500	500° to 1100°F (595°C)	382.83
<b>PORCELAINIZED CRUCIBLE</b>				
SP-101P	120	350	500° to 975°F (525°C)	471.37
SP-201P	240	350	500° to 975°F (525°C)	471.37
SP-301P	120	500	500° to 1100°F (595°C)	491.32
SP-401P	240	500	500° to 1100°F (595°C)	491.32



## PLATO® PRECISION SOLDER POTS

Plato's Precision Solder Pots exceed the requirements if military specifications ANSI (J-STD-0001B). The pots control temperature to  $\pm 5^\circ\text{F}$  ( $\pm 2.75^\circ\text{C}$ ) from ambient to 925°F (496°C) and have an LCD temperature display. **FEATURES:** Solid state controller limits transient voltage spiking to 2mV peak-to-peak or less for voltage sensitive components. Temperature preset switch to lock-in the desired temperature. LCD displays preset temperature and operating temperature. Built-in surge suppression and power line circuit breaker. All metal construction is ESD safe. Output jack for external temperature recorder or data logger. **Porcelainized solder pot crucible:** Easy to clean and offers a long service life. Solder will not adhere to the porcelainized surface, which allows easier maintenance. Resists corrosion from activated fluxes and chemicals.

Cat. No.	Input VAC	Wattage	Temperature Range	Net Price
<b>CAST IRON CRUCIBLE</b>				
SP-600T	120	1000	Ambient to 750°F (399°C)	\$2553.88
SP-750T	240	1000		2626.20
<b>PORCELAINIZED CRUCIBLE</b>				
SP-600TP	120	1000	Ambient to 750°F (399°C)	2878.10
SP-750TP	240	1000		2878.10