

QUALITY PRODUCTS PROVEN EFFECTIVE FOR LEAD-FREE

PLATO®



Your One Source For Soldering Tips

RoHS Process Compliant  

Lead-Free/RoHS Process Compliant



Plato is one of the largest manufacturers of soldering tips in the world, producing tips to fit all of the most popular soldering stations. The long life and fast heat recovery of Plato soldering tips increases user effectiveness and decreases production times. All Plato soldering tips manufactured since January 2004 are tinned with Lead-Free solder.

Long Life:

Using a high quality Plato soldering tip increases soldering speed and decreases the total cost of manufacture. Higher temperatures and high tin content solders, common in lead-free soldering processes, place additional strain on soldering iron tips. The long life of a Plato soldering iron tip reduces tip changes, decreasing the total number of tips used and decreasing production time.

Rapid Heat Recovery:

Plato soldering tips are constructed from highly conductive premium grade copper to transmit heat to the work more quickly than other brands of soldering tips. This quick heat recovery enables more joints to be soldered per minute, thus reducing manufacturing time and costs.



Tips For Stations:

- HAKKO®
- WELLER®
- PACE®
- HEXAGON®
- Ersa®
- EDSYN®

Extend Soldering Tip Life:

Proper maintenance of soldering tips greatly increases the life of the tip.

Step 1: Basic tip care with sponge

Consistently wiping off your soldering tip on a damp Plato® cellulose sponge is the most important thing you can do to maximize tip life.



Step 2: Cleaning with Tip Tinner

Plato Lead-Free Tip Tinner aggressively removes light oxidation that builds up over time.



Step 3: Polish off oxidation

Heavy oxidation can be removed by wiping the cool tip on the Plato Polishing Bar.



Solder Pots For Lead-Free Soldering

The change to lead-free solders will sometimes require a change in capital equipment. Replacing solder pots is one such example. It is almost impossible to ensure that no lead contamination remains in your old solder pot. Changing out the crucible alone can be challenging and time consuming. We recommend purchasing a new Plato® solder pot with a porcelain coated crucible.

Porcelain Coated Crucibles

Plato's porcelain coated crucible is easy to clean and offers a long service life. Solder will not adhere to the porcelainized surface, allowing for easy maintenance. The coating also resists the corrosion common with activated fluxes and high tin content solders. All Plato solder pots can be ordered with a porcelain coated crucible by adding a P to the end of the part number.

"Solder beads off the porcelain coating like water on a freshly waxed car"



General Purpose Solder Pots

Plato General Purpose Solder Pots control temperature $\pm 11^\circ\text{F}$ ($\pm 6^\circ\text{C}$) through the use of a thermal timer switch with automatic correction for voltage fluctuations.

Proven features include:

- A three index position control switch with infinitely variable temperature control.
- Safety heat shield.
- Removable dross tray for easy cleaning.
- Three-wire, grounded UL listed cord.
- 2.5" (64mm) diameter by 1.5" (38mm) deep crucible.
- Adjustable leveling feet.
- All metal construction for ESD protection.



| MODEL | INPUT | WATTAGE | TEMPERATURE RANGE |
|-----------|--------|---------|------------------------|
| SP-101P | 120VAC | 350 | 500° to 975°F (525°C) |
| * SP-201P | 240VAC | 350 | 500° to 975°F (525°C) |
| SP-301P | 120VAC | 500 | 500° to 1100°F (595°C) |
| * SP-401P | 240VAC | 500 | 500° to 1100°F (595°C) |

* SP-201P and SP-401P Display Temperature in Celsius.

Precision Solder Pots

Plato's Precision Solder Pots exceed the requirements of military specifications ANSI (J-STD-001B). The pots control temperatures to $\pm 5^\circ\text{F}$ ($\pm 2.75^\circ\text{C}$) of a preselected setting from ambient to 925°F (496°C) and have an LCD temperature display.

SP-500TP and SP-150TP

Additional Features:

- AN LCD that displays present temperature and operating temperature.
- A temperature preset switch to select the desired temperature.
- Limits transient voltage spiking to 2mV peak-to-peak, or less, for voltage sensitive components.
- Internal circuitry to compensate for incoming power fluctuations, power line circuit breaker.
- An output jack for external temperature recorder or data logger.



SP-600TP and SP-750TP

Additional Features:

- Large capacity crucible, 4" (102mm) by 6" (152mm) by 4" (102mm) deep.
- Safety warm-up crucible cover.



| MODEL | INPUT | WATTAGE | TEMPERATURE RANGE |
|------------|--------|---------|--------------------------|
| SP-500TP | 120VAC | 350 | Ambient to 925°F (496°C) |
| * SP-150TP | 240VAC | 350 | Ambient to 925°F (496°C) |
| SP-600TP | 120VAC | 1,000 | Ambient to 750°F (399°C) |
| * SP-750TP | 240VAC | 1,000 | Ambient to 750°F (399°C) |

* SP-150TP and SP-750TP Display Temperature in Celsius.