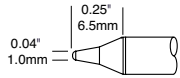


# SmartHeat® Power Tips™

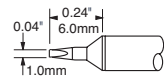
Our SmartHeat® PowerTip™ technology meets the needs of high thermal demands of lead-free alloys and other high thermal demand applications. In concert with our SmartHeat® technology, we have enhanced both the heater efficiency and thermal transfer characteristics of our tips, providing leading thermal performance, process control and eliminating the risk of thermal damage.

## SmartHeat® PowerTips™ for Metcal Stations

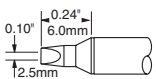
For your existing Metcal MX-500 Systems, we have developed a new range of STTC SmartHeat® PowerTips™ that deliver heat more efficiently for the most common lead-free soldering applications. In addition, all the SSC Tips for the SP200 Systems have been upgraded to deliver additional power to demanding solder joints, without the need to increase temperature.



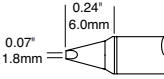
STTC-101P  
Conical Sharp 1mm (.04")



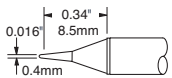
STTC-125P  
Chisel 30° 1mm (.04")



STTC-136P  
Chisel 30° 2.5mm (.10")



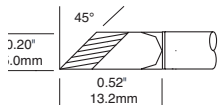
STTC-137P  
Chisel 30° 1.8mm (.07")



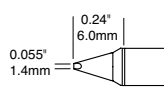
STTC-145P  
Conical 0.4mm (.016")



STTC-147P  
Bevel 60° 1.78mm (.07")



STTC-1137P  
Knife 5.0mm (.22")



STTC-138P  
Chisel 35° 1.4mm (.06")

*Note that these new tips are only available with the 700 Series heater.*

## SmartHeat® PowerTips™ for OKi Stations

Our PS-800 Soldering System easily converts to use SmartHeat® PowerTips™ for lead-free with an upgrade PS-CA2 Coil Assembly. This creates a hassle free production tool for effectively soldering lead-free PCBs.

**What's more**, our newest line of systems, the MFR Series, have the PowerTips and SmartHeat® technology built in, making you ready for lead-free applications immediately.

## Choosing the correct coil assembly and tip for your PS-800 Series System

### Coil assembly selection

The PS-800 offers two types of coil assembly designs and a wide range of tips to suit all types of applications and manufacturing needs.

-The first coil assembly is the **PS-CA1**, ideal for low to medium thermally demanding applications where access is restricted.



-The second coil assembly is the **PS-CA2**, ideal for higher thermally demanding applications and high volume assembly.



### Tip selection

Once you have selected the correct coil assembly you now have to select the correct tip to match your application.

**The PS-CA1 coil assembly only accepts PHT tips and the PS-CA2 coil assembly only accepts SFV tips.**

## Choosing the correct tip geometry



Small pad demand is satisfied with a small geometry tip.



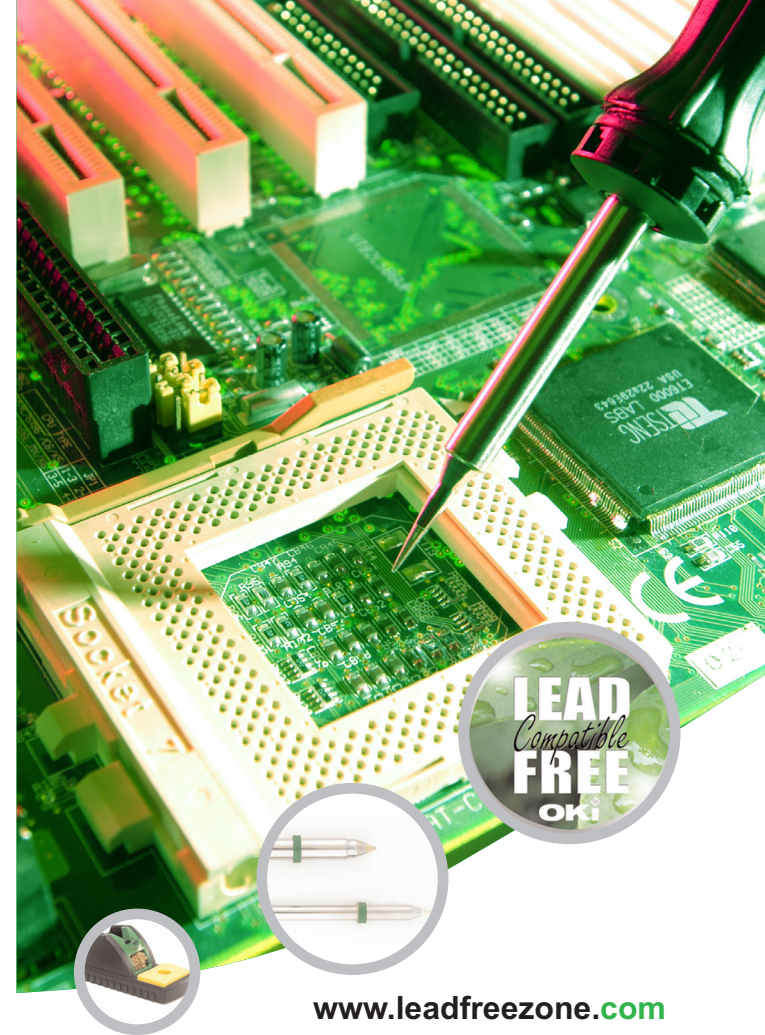
Large pad demand with small tip geometry will not meet the thermal energy required to form a good solder joint.



Large pad demand requires large tip geometry to form a good solder joint.

**Don't forget a good Tip Care will extend the life of your Lead Free Tips**

Call us today to receive your free Tip Care Poster. Contact details at: [www.okinternational.com](http://www.okinternational.com)



[www.leadfreezone.com](http://www.leadfreezone.com)

## Lead Free Product Guide

Metcal MX-500 & SP200  
OKi MFR & PS-800 Series



# Lead Free Upgrades



OK International products are compatible for Lead-free. Changing to lead-free doesn't have to be stressful or confusing. Whatever you need for your lead-free process; hand soldering, rework and repair, and fume extraction, we are your one-stop-shop for production assembly equipment.

## Systems

## Green Auto-sleep Workstand

## Power Tips\*\*

## Identification Ring Kits

### M E T C A L S Y S T E M S

#### SP200\*

Soldering Systems



or



WS1G

WS2G

#### Entire SSC range

[www.okinternational.com/product\\_soldering/sp200](http://www.okinternational.com/product_soldering/sp200)



AC-CK3

#### MX SERIES\*

Soldering & Rework Systems



WS1G

#### 8 New Geometries

(see reverse for line drawings)  
[www.okinternational.com/product\\_soldering/mx500sttc](http://www.okinternational.com/product_soldering/mx500sttc)

AC-CK2



**The Auto-Sleep Workstands: How do they work?** They have an insert, with a magnetic core, which helps increase tip life by allowing the tip cartridge to idle at a lower temperature, thereby reducing oxidation. They do not shut the iron off, they reduce the power available to the tip while it is in the stand. The recovery time, from when the tip is removed from the Auto-sleep stand, is within seconds.

The stand also includes a brass wire wool cleaning compartment to remove heavy oxidation build up associated with lead-free process.

### O K I S Y S T E M S

#### PS-800 SERIES\*

Soldering Systems



or



WS1G

WS2G

#### Entire SFV tips used with PS-CA2 coil assembly

(see reverse for coil assembly selection)  
[www.okinternational.com/product\\_soldering\\_mfr/mfr\\_pst](http://www.okinternational.com/product_soldering_mfr/mfr_pst)



AC-CK1 (PHT tips)  
AC-CK4 (SFV tips)

#### MFR SERIES

Soldering & Rework Systems



WS1G

#### Entire range

[www.okinternational.com/product\\_soldering\\_mfr](http://www.okinternational.com/product_soldering_mfr)

AC-CK1 (All tips except SFV range0)  
AC-CK4 (SFV tips)



\* Come with a black Auto-sleep workstand (except MX Talon and Desoldering Systems). The green Auto-sleep workstands and the green cradle inserts are optional.

\*\* To view the entire range of Power Tips, please visit [www.okinternational.com/soldering](http://www.okinternational.com/soldering)