

SmartHeat®

**Hand Soldering**

SMT Rework

Desoldering

BGA Rework

CSP Rework

Fume Extraction

Fluid Dispensing

Terms & Conditions

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**BLADE AND MULTI-LEAD SOLDERING CARTRIDGES**



- [Choosing the Correct Cartridge](#)
- [Slot Tip Cartridges](#)
- [Tunnel Tip Cartridges](#)
- [Quad/Dual Quad Tip Cartridges](#)
- Blade and Multi-Lead Soldering Cartridges**

**SMTC rework cartridges are for use with soldering/rework handpieces for STSS/MX Systems only. They cannot be used with SP Systems, TALON handpieces, or desolder handpieces.**

[Blade Tip Cartridges](#) | [Multi-Lead Soldering Tip Cartridges](#) | [Other Special Cartridges](#)

**PAD CLEAN-UP**

Metcal's blade tip cartridges may be used with desoldering braid to clean up the pads for both two and four-sided components regardless of the lead configuration or pitch.

Proper wicking always uses the tip working with the grain of the pad. Never use a blade to wick by dragging it down the row of pads. The heat combined with the abrasive action may cause the epoxy holding the land to the board to lift the pad.

Choose the size of blade tip that best fits the row of pads. For optimum heat delivery, use the recommended part number below to order.

Style	Recommended Part No
0.410" Long	SMTC-060
0.620" Long	SMTC-061



0.870" Long      SMTC-062

1.550" Long(Dual\*) SMTC-1110

x=5 for 500 Series, x=0 for 600 Series, x=1 for 700 Series.

\*Dual cartridges require 2 power supplies and 2 handpieces. A dual handle support (DHS) is also recommended.

### **MULTI-LEAD SPEED SOLDERING**

Metcal makes special tip cartridges for replacing most component configurations, gull-winged and J-lead, regardless of the number of leads or the lead pitch. We call these multi-lead speed soldering tip cartridges.

For components of boards where access is not a problem, we recommend our SMTC-x147 "hoof" tip cartridge. (This tip cartridge is shaped like a horse's hoof) This tip is designed specifically for "drag soldering" techniques. The face has been designed to hold just the right amount of solder, and the SMTC-x147 has extra plating where necessary to prevent the failures so commonly seen when using a bent hook to drag solder.

Once you have practiced a bit, you will find it is the easiest and fastest way to solder surface mount components.

The "knife" tip (SMTC-x161) is designed for multi-lead soldering of PLCC's in tight spaces. The "mini-hoof" (SMTC-x167) is designed for soldering of either PLCC's or QFP's in tight spaces.

See your [local Metcal distributor or representative](#) for a demonstration of these easy techniques.

Style	Part No
"Hoof" Tip	SMTC-x147
"Mini-Hoof" Tip	SMTC-x167
"Knife" Tip	SMTC-x161

x=5 for 500 Series, x=0 for 600 Series, x=1 for 700 Series.

### **OTHER SPECIAL CARTRIDGES**

Component	Part No
Hot Plate (0.425" square)	SMTC-x136
28-Pin SMT Connector	SMTC-x98

x=5 for 500 Series, x=0 for 600 Series, x=1 for 700 Series.



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