

# Soldering Tips

for PS-800 System with PS-CA1 Coil



	<b>PHT-752035</b> Conical Fine 0.5mm (.02")		<b>PHT-754487F</b> Hoof 45° Face Only 3.0mm (.12")
	<b>PHT-752057</b> Conical Fine 1.0mm (.04")		<b>PHT-754497F</b> Hoof 45° 4.0mm (.16")
	<b>PHT-752327</b> Conical Fine/Bent 0.4mm (.016")		<b>PHT-755437</b> Knife Sharp 45° 3.0mm (.12")
	<b>PHT-752335</b> Conical Fine 30° 0.5mm (.02")		<b>PHT-755457</b> Knife Sharp 45° 4.5mm (.18")
	<b>PHT-752337</b> Conical Fine/Bent 30° 0.5mm (.02")		<b>PHT-755477</b> Knife Bevel 45° 5.0mm (.20")

75 = 750 Series for most standard applications. 65 = 650 Series also available for temperature sensitive applications. To order this series, replace 75 with 65.

# Soldering & Rework Cartridges

for Metcal MX-500 Series



## SOLDERING CARTRIDGES *Optimised geometries for Lead Free*

	<b>STTC-101P</b> Conical Sharp 1mm (.04")		<b>STTC-137P</b> Chisel 30° 1.8mm (.07")
	<b>STTC-125P</b> Chisel 30° 1mm (.04")		<b>STTC-145P</b> Conical 0.4mm (.016")
	<b>STTC-136P</b> Chisel 30° 2.5mm (.10")		<b>STTC-147P</b> Bevel 60° 1.78mm (.07")
	<b>STTC-138P</b> Chisel 35° 1.4mm (.06")		<b>STTC-1173P</b> Knife 5.0mm (.22")

1 = 700 Series for most standard applications. Only 700 Series available.

## STANDARD SOLDERING CARTRIDGES *Frequently used geometries*



	<b>STTC-136*</b> Chisel 30° 2.5mm (.10")		<b>STTC-113*</b> Chisel 90° 3.0mm (.12")
	<b>STTC-137*</b> Chisel 30° 1.78mm (.07")		<b>STTC-133</b> Chisel 90° 2.5mm (.10")
	<b>STTC-138*</b> Chisel 30° 1.5mm (.06")		<b>STTC-104</b> Chisel 90° 1.78mm (.07")

# Soldering & Rework Cartridges

for Metcal MX-500 Series



## STANDARD SOLDERING CARTRIDGES *Frequently used geometries*

	<b>STTC-125*</b> Chisel 30° 1.0mm (.04")		<b>STTC-106</b> Conical Sharp 0.4mm (.16")
	<b>STTC-103*</b> Chisel 90° 3.0mm (.12")		<b>STTC-132</b> Conical Sharp 1.78mm (.07")
	<b>STTC-141*</b> Chisel 30° 1.3mm (.05")		<b>STTC-102</b> Conical Sharp 1.78mm (.07")
	<b>STTC-120</b> Long Reach Chisel 12° 3.8mm (.15")		<b>STTC-101</b> Conical Sharp 1.0mm (.04")
	<b>STTC-142</b> Long Reach Chisel 60° 1.78mm (.07")		<b>STTC-131</b> Conical Sharp 1.0mm (.04")
	<b>STTC-198</b> Chisel Bent 30° 1.78mm (.07")		<b>STTC-143*</b> Conical Sharp 0.5mm (.02")
	<b>STTC-199</b> Chisel Bent 30° 1.5mm (.06")		<b>STTC-183</b> Conical Grooved 2.0mm (.08")
	<b>STTC-165</b> Large Chisel 5.0mm (.20")		<b>STTC-140*</b> Sharp Bent 30° 0.4mm (.016")
	<b>STTC-117*</b> Extra Large Chisel 5.0mm (.20")		<b>STTC-144*</b> Sharp Bent 30° 0.5mm (.02")
	<b>STTC-112</b> Conical 2.3mm (.08")		<b>STTC-145</b> Conical 0.4mm (.016")
	<b>STTC-111</b> Conical 0.5mm (.02")		<b>STTC-147</b> Bevel 60° 1.78mm (.07")
	<b>STTC-116*</b> Conical 0.5mm (.02")		<b>STTC-105</b> Bevel 30° 1.78mm (.07")
	<b>STTC-107</b> Conical Sharp 1.0mm (.04")		<b>STTC-115</b> Bevel 30° 1.3mm (.05")
	<b>STTC-122</b> Conical Sharp 0.4mm (.16")		<b>STTC-124</b> Bevel 30° 1.0mm (.04")

1 = 700 Series for most standard applications. 0 = 600 series and 5 = 500 series also available for temperature sensitive applications. 8 = 800 Series for ceramic applications, only available for \*. To order these series, replace 1 with either 0, 5 or 8.

# Soldering & Rework Cartridges

for Metcal MX-500 Series



	<b>STTC-126*</b> Sharp Bent 30° 0.4mm (.016")		<b>STTC-197</b> Grooved Semi-Rigid Coax
	<b>STTC-114</b> Bevel 45° 2.3mm (.08")		<b>STTC-146</b> Long Reach Bevel 60° 1.0mm (.04")
	<b>STTC-135</b> Bevel 30° 1.78mm (.07")		<b>STTC-170</b> Heat Staking 4.8mm (.19")

1 = 700 Series for most standard applications. 0 = 600 series and 5 = 500 series also available for temperature sensitive applications.  
8 = 800 Series for ceramic applications, only available for \*. To order these series, replace 1 with either 0, 5 or 8.

## MICRO FINE REWORK CARTRIDGES *For reworking 0201 and 0402 or microfine components in tight spaces*

	<b>SMTC-1171</b> Conical Bent 30° 0.76mm (.03")		<b>SMTC-1174</b> Long Reach Micro Hoof 1.14mm (.045")
	<b>SMTC-1172</b> Conical Bent 30° Fine 0.51mm (.02")		<b>SMTC-1175</b> Long Reach Micro Hoof 0.89mm (.035")
			<b>STTC-190*</b> Conical Microfine 0.25mm (.01")

1 = 700 Series for most standard applications. 0 = 600 series and 5 = 500 series also available for temperature sensitive applications.  
8 = 800 Series for ceramic applications, only available for \*. To order these series, replace 1 with either 0, 5 or 8.

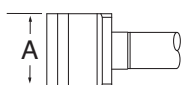
## HOOF AND KNIFE CARTRIDGES *For Drag Soldering*



	<b>SMTC-1147*</b> Hoof 3.3mm (.13")		<b>SMTC-1170**</b> Long Reach Hoof 3.05mm (.12")
	<b>SMTC-1167**</b> Mini-Hoof 1.52mm (.06")		<b>SMTC-1161*</b> Knife - Tinned Area 2.03mm (.08")
	<b>SMTC-1169**</b> Long Reach Hoof 2.03mm (.08")		<b>SMTC-1173</b> Knife - Increased Tinned Area 5.84mm (.23")

Same as above. \* = Not available for 800 Series \*\* = Not available for 500 and 800 Series

## BLADE CARTRIDGES



Part No.	Description	A
SMTC-1110**	Dual Heater Quad	39.37mm (1.55")
SMTC-162	Blade Cartridges	22.10mm (0.870") Long
SMTC-161	Blade Cartridges	15.75mm (0.620") Long
SMTC-160	Blade Cartridges	10.41mm (0.410") Long
SMTC-163**	Dual Heater Blade	45.46mm (1.79") Long
SMTC-164**	Short Blade	5mm (0.20")

Same as above. \*\* = Not available for 500 and 800 Series