

SmartHeat®

Hand Soldering

SMT Rework

Desoldering

BGA Rework

CSP Rework

Fume Extraction

Fluid Dispensing

Terms & Conditions

metcal > products > hand soldering > PS-800**The Second Technology Shift In Hand Soldering**

Driven by today's technologies and economic demands, Metcal's new PS-800 Soldering System represents the most significant development in hand soldering since Metcal first introduced SmartHeat® technology (fixed temperature/variable power control) in the 1980's. The PS-800 Soldering System revolutionizes hand



soldering by combining the power and superior process control advantages of SmartHeat®, with the system quality and innovative design of Metcal irons.

Designed to be the perfect, compact soldering system for repetitive manual assembly and touch-up, the PS-800 Soldering System incorporates an innovative, compact power supply that fits on or under the bench. In addition, the PS-800 Soldering System requires no calibration.

Minimal Cost Of Ownership

The PS-800 Soldering System employs replaceable heater tips rather than cartridges, making cost of ownership extremely competitive. The unique two-piece design separates the heater coil from the tip. The long-life heater coil remains in the handle, while replaceable tips are easily removed and replaced. Most importantly, the cost of the heater tips is comparable to that of conventional tips.

Metcal has developed 33 soldering tip geometries for the PS-800 Soldering System, each available in a variety of temperature ranges. Plus, enhancements to SmartHeat® technology have allowed us to increase the plating thickness of the tips. The result is extended tip life without reducing thermal performance.

Perfect For Lead-Free Hand Soldering

The most important technical challenge of lead-free hand soldering is being able to solder heat sensitive components at 215-220 °C, without causing damage. This requires a soldering system that can deliver high levels of accuracy to a traceable standard.



Metcal's PS-800

Soldering System is perfect for lead-free hand soldering. As SmartHeat® maintains a constant tip temperature it allows the higher temperature requirements of lead-free alloys to be met without increasing the tip temperature. Thus, the risk of thermal damage is eliminated.

The PS-800 Soldering System allows operators to produce high quality product quickly, easily and safely. It is a reliable, hassle-free production tool that can be used to solder lead-free PCBs immediately without needing to be continually re-calibrated to meet the higher temperature requirements.

PS-800 SOLDERING SYSTEM

System Includes Power Supply With Power Cord,
Hand-Piece With Cord, Workstand With
Sponge And Cartridge Removal Pad

Part No.	Description
PS-800	PS-800 Soldering System

ACCESSORIES & SPARE PARTS

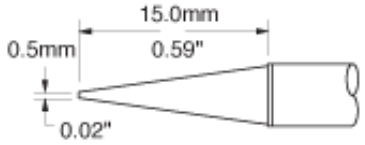
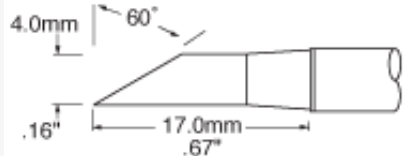
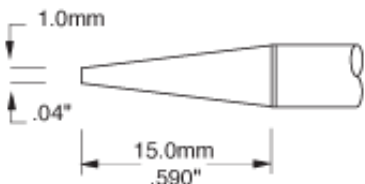
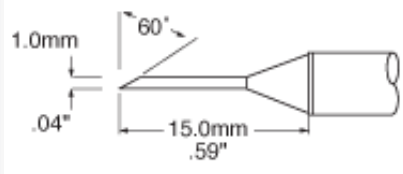
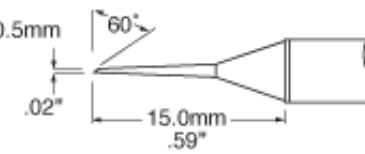
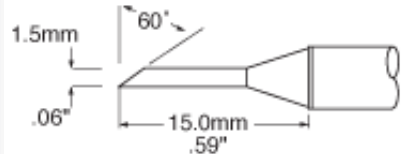
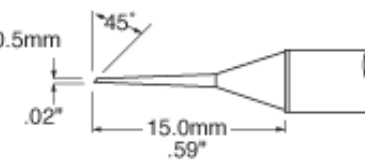
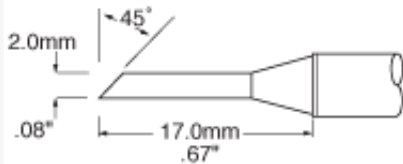
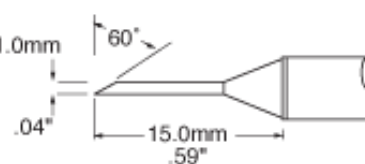
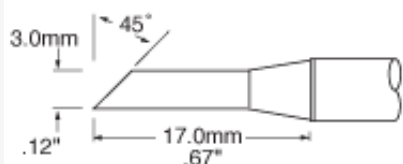
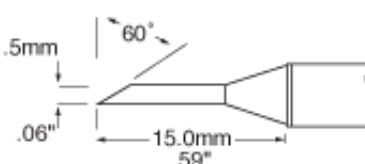
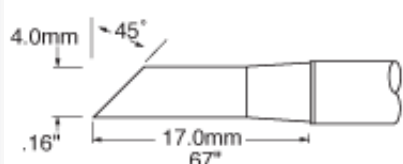
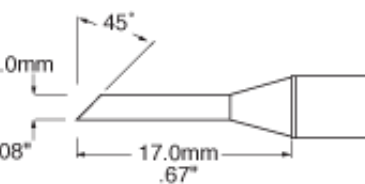
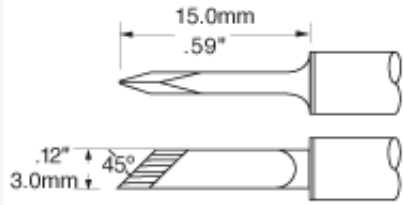
Part No.	Description
PS-PW1	PS-800 Power Supply
PS-WSK1	PS-800 Workstand with Sponge
PS-WSC1	PS-800 Cradle
AC-YS4	Sponge 79.25mm ø x 25.4mm (3.12"ø x 1")
PS-HC1	PS-800 Soldering Handle with Coil Assembly
PS-CA1	PS-800 Coil Assembly
AC-CP2	Cartridge Removal Pad
AC-PM	Power Meter -AC



PS-800 SOLDER TIP CARTRIDGES

600 Series **XY**=60, 650 Series **XY**=65, 700 Series **XY**=70, 750 Series **XY**=75

	<p>PHT-XY0315 Chisel Fine 30° 1.0mm (.04")</p>		<p>PHT-XY1384 Chisel 30° 5.0mm (.20")</p>
	<p>PHT-XY0326 Chisel Fine/ Bent 30° 1.5mm (.06")</p>		<p>PHT-XY2017 Conical 60° 0.4mm (.016")</p>
	<p>PHT-XY0335 Chisel Fine 30° 1.78mm (.07")</p>		<p>PHT-XY2035 Conical Fine 0.4mm (.016")</p>
	<p>PHT-XY1355 Chisel 30° 2.5mm (.10")</p>		<p>PHT-XY2057 Conical Fine 1.0mm (.04")</p>
	<p>PHT-XY0325 Chisel 60° 1.5mm (.06")</p>		<p>PHT-XY2327 Conical Fine Bent 0.4mm (.016")</p>
	<p>PHT-XY1367 Chisel 30° 3.0mm (.12")</p>		<p>PHT-XY2335 Conical Fine/ Bent 30° 0.5mm (.02")</p>
	<p>PHT-XY2337 Conical Fine/ Bent 30° 0.5mm (.02")</p>		<p>PHT-XY4497 Hoof 45° 4.0mm (.16")</p>

	<p>PHT-XY3035 Conical 30° 0.5mm (.02")</p>		<p>PHT-XY4697 Hoof 60° 4.0mm (.16")</p>
	<p>PHT-XY3067 Conical Long 1.0mm (.04")</p>		<p>PHT-XY4627F Minihoof 60° Face Only 1.0mm (.04")</p>
	<p>PHT-XY4607 Minihoof 60° 0.5mm (.02")</p>		<p>PHT-XY4637F Minihoof 60° Face Only 1.0mm (.04")</p>
	<p>PHT-XY4617 Minihoof 45° 0.5mm (.02")</p>		<p>PHT-XY4467F Hoof 45° Face Only 2.0mm (.08")</p>
	<p>PHT-XY4627 Minihoof 60° 1.0mm (.04")</p>		<p>PHT-XY4487F Hoof 45° Face Only 3.0mm (.12")</p>
	<p>PHT-XY4637 Minihoof 60° 1.5mm (.06")</p>		<p>PHT-XY4497F Hoof 45° Face Only 4.0mm (.16")</p>
	<p>PHT-XY4467 Hoof 45° 2.0mm (.08")</p>		<p>PHT-XY5437 Knife Sharp 45° 3.0mm (.12")</p>

<p>2.0mm 60° .08" 17.0mm .67"</p>	<p>PHT-XY4667 Hoof 60° 2.0mm (.08")</p>	<p>15.0mm .59" 4.5mm .18" 45°</p>	<p>PHT-XY5457 Knife Sharp 45° 4.5mm (.18")</p>
<p>3.0mm 45° .12" 17.0mm .67"</p>	<p>PHT-XY4487 Hoof 45° 3.0mm (.12")</p>	<p>0.5mm 2.0mm .08" .02" 1.0mm .04" 5.0mm .20" 45° 15.0mm .59"</p>	<p>PHT-XY5477 Knife Bevel 45° 5.0mm (.20")</p>
<p>3.0mm 60° .12" 17.0mm .67"</p>	<p>PHT-XY4687 Hoof 60° 3.0mm (.12")</p>		

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