



# PS-800E High Performance Production Soldering System

**Designed to be the perfect, compact system for repetitive manual soldering and touch-up.**

The PS-800E Soldering System features an innovative, compact power supply which is ideal for demanding production environments. The 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, like traditional technologies, to meet the higher temperature requirements.

## Power Heater Tips for Production Soldering

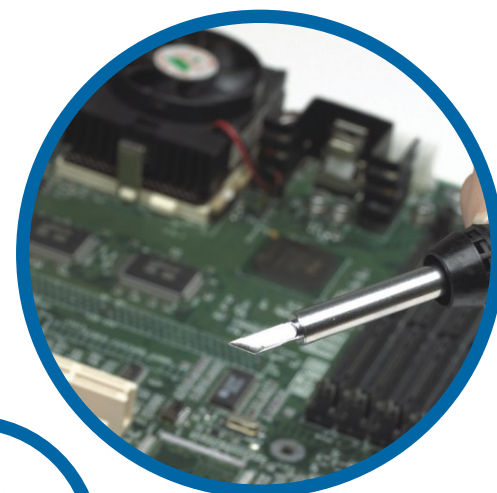
OK International has developed a comprehensive line of large diameter, high power soldering tip geometries for the PS-800E Soldering System. The result is extended tip life without reducing thermal performance.

The Power Heater Tips offer a combination of performance and value. The replaceable tips are used with the PS-HC2 Soldering Hand piece and deliver high power, economical soldering in high volume production applications. The tips come in a thermally optimized large diameter tip that includes additional iron plating for longer life.

## 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 iron that can respond to the thermal energy demands of the application and deliver the correct amount of energy to the joint without overshoot that can cause damage.

OK International's PS-800E Soldering System is perfect for lead-free hand soldering. SmartHeat® technology allows the higher thermal performance requirements of lead-free alloys to be met without increasing the tip temperature. Thus, the risk of thermal damage is eliminated.



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PS-800E Heater Tip (A) vs Conventional Tip Cartridge (B)

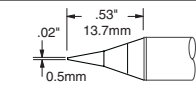
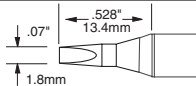
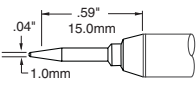
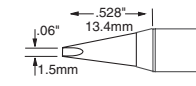
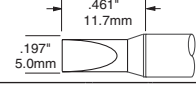
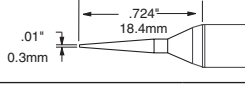
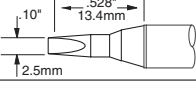
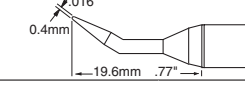
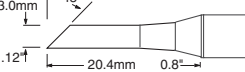
## PS-800E Soldering System

System includes Power Supply with Power Cord, Hand-piece with Cord, Auto-sleep Workstand with Sponge and Cartridge Removal Pad.

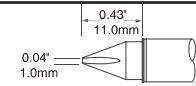
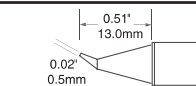
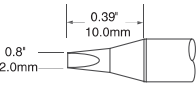
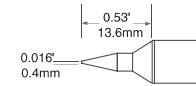
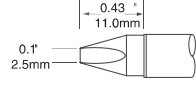
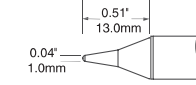
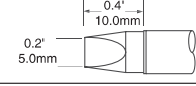
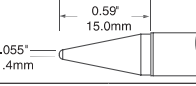
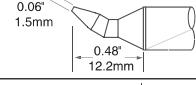
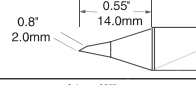
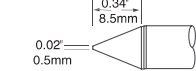
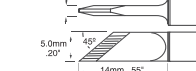
Part No.	Description
PS-800E	PS-800E High Performance Soldering System

For a full listing of accessories, spare parts and lead-free process identification products, please visit: [www.okinternational.com](http://www.okinternational.com)

## New "Easy Access" Power Heater Tips for Production Soldering

Part No.	Solder Tip	Part No.	Solder Tip
	<b>SFV-CN05A</b> Conical Solder Tip, 0.5mm (.02")		<b>SFV-CH18A</b> Fine Solder Tip, 1.8mm (.07")
	<b>SFV-CNL10A</b> Conical Long Solder Tip, 1.0mm (.04")		<b>SFV-CH15A</b> Chisel Solder Tip, 1.5mm (.06")
	<b>SFV-CH50A</b> Chisel Solder Tip, 5.0mm (.197")		<b>SFV-CNL03A</b> Conical Long Solder Tip, 0.3mm (.01")
	<b>SFV-CH25A</b> Chisel Solder Tip, 2.5mm (.10")		<b>SFV-CNB04A</b> Conical Bent Solder Tip, 0.4mm (.016")
			<b>SFV-DRH430A</b> Drag Solder Tip, Hoof, 3.0mm (.12")

## Power Heater Tips for Production Soldering

Part No.	Solder Tip	Part No.	Solder Tip
	<b>SFV-CH10</b> Chisel Solder Tip, 1.0mm (.04")		<b>SFV-CNB05</b> Conical Bent Solder Tip, 0.5mm (.02")
	<b>SFV-CH20</b> Chisel Solder Tip, 2.0mm (.08")		<b>SFV-CNL04</b> Conical Long Solder Tip, 0.4mm (.016")
	<b>SFV-CH25</b> Chisel Solder Tip, 2.5mm (.10")		<b>SFV-CNL10</b> Conical Long Solder Tip, 1.0mm (.04")
	<b>SFV-CH50</b> Extra Large Chisel Solder Tip, 5.0mm (.20")		<b>SFV-CNL14</b> Conical Long Tip, 1.4mm (.055")
	<b>SFV-CHB15</b> Chisel Bent 30 Solder Tip, 1.5mm (.06")		<b>SFV-DRH20</b> Conical Bevel Solder Tip, 2.0mm (.08")
	<b>SFV-CN05</b> Conical Solder Tip, 0.5mm (.02")		<b>SFV-DRK50</b> Knife Solder Tip, 5.0mm (.20")

Standard Power Heater Tips are designed for use with glass fiber (FR4) PCB substrates, denoted by the letter "F." To order specialty versions, replace the "F" in the part number with the appropriate letter designate for your application when ordering:

T = Temperature Sensitive

C = Ceramic or Heavy Load

Contents of this datasheet are subject to change without notice.

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