

# PS-800E Soldering System



## Compact 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 with a small footprint which is ideal for production environments. The system combines the power and superior process control advantages of SmartHeat<sup>®</sup>, with the system quality and innovative design of OK International irons. In addition, the PS-800E Soldering System utilizing SmartHeat<sup>®</sup> Technology requires no calibration.

## Cost of Ownership

The PS-800E Soldering System uses replaceable heater tips rather than cartridges, with the cost being comparable to conventional tips, making cost of ownership competitive. The unique two-piece design separates the induction coil from the heater tip. The long-life induction coil remains in the handle, while replaceable heater tips are easily removed and replaced.

You can now choose between two types of coil assembly. The PS-CA2 is designed for heavy loads and can be used with a comprehensive line of thermally optimised, large diameter and high power soldering tip geometries (SFV series). The PS-CA1 is ideal for light to medium loads and comes with a series of fine and small diameter tips (PHT series). Both series of tips include an 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 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.

The PS-800E 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 higher temperature requirements like traditional technologies.



## PS-800E High Power Soldering System

Part No.	Description
PS-800E	PS-800E High Power Soldering System
<b>Includes</b>	
PS-PW1	Power Supply
WS2	Autosleep Workstand with Sponge and Brass Cleaning Pad
PS-HC2	PS-800E Soldering Handle with PS-CA2 High Power Coil Assembly for SFV tips

**PS-800 Soldering System** same as above but supplied with PS-HC1 Soldering Handle with PS-CA1 Coil Assembly for PHT Tips

## Specifications

Power Supply	
Ambient Operating Temperature	10 - 40°C
Maximum Enclosure Temperature	65°C
Input Line Voltage	90 - 240 VAC
Input Line Frequency	50/60 Hz
Power Consumption	50 Watts max.
Output Power	35 Watts max. at 22°C ambient temperature
Output Frequency	470 KHz
Power Cord (3-wire)	183cm (72")
Dimensions (W x D x H)	70mm x 161mm x 100mm (2.76" x 6.34" x 3.94")