

## Metcal / OKI PS-800

### PS-800 SOLDERING SYSTEM

#### COMPACT PRODUCTION SOLDERING SYSTEM

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

The PS-800 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®, with the system quality and innovative design of OK International irons. In addition, the PS-800 Soldering System utilizing SmartHeat Technology requires no calibration.

#### MINIMAL COST OF OWNERSHIP

The PS-800 Soldering System uses replaceable heater tips rather than cartridges, with the cost being comparable to that of 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.

OK International has developed a comprehensive line of soldering tip geometries for the PS-800 Soldering System. Plus, enhancements to SmartHeat® technology have allowed for an increase to 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 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-800 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.

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 like traditional technologies.

#### LEAD-FREE PROCESS IDENTIFICATION

For factories that are transitioning to lead-free, it is important to identify which processes are using lead free to avoid accidental cross-contamination of solder materials. To easily identify the lead-free processes, we have designed visual indicators that fit on the system parts where cross contamination can occur, such as tips & work stand sponges.