



# PS-900 Soldering System

**High Power.  
Superior Control.  
Cost Effective.**



## The power to solder demanding loads, the control to assure consistent results.

The OKi PS-900 Soldering System, powered by **SmartHeat® Technology**, is part of a new generation of cost-effective soldering systems from OK International. The PS-900 packs power and provides exceptional thermal control into a small benchtop footprint. The PS-900 provides operators the repeatability to produce high quality solder connections with exceptional speed.

### More Applications

The PS-900 increases productivity by performing a wide range of applications. It is suited for lead-free soldering processes, multilayer boards and thermally demanding components. What's more, SmartHeat technology enables the PS-900 to solder at lower temperatures, even for such demanding applications as lead-free soldering processes. This means operators are more productive and materials are safe from damaging temperatures.

### Low Operating Costs

The PS-900 is designed for simplicity and low maintenance. With SmartHeat Technology at its core, it requires no calibration. Moreover, it uses high quality tips that assure low ongoing operating costs. Its low cost makes it the perfect choice for small or large production environments, which need exceptional performance, while being mindful of operating budgets.

## Key Features & Benefits

|                                      |  |
|--------------------------------------|--|
| SmartHeat® Temperature Control       | Fixed temperature, variable power with no thermal over shoot |
| Ergonomic, lightweight handle        | Assures operator comfort and improved productivity           |
| Rugged cast aluminum housing         | Provides exceptional durability                              |
| Autosleep Workstand                  | Reduces tip oxidation in stand and increases tip life        |
| Added plating thickness to tips      | Extends tip life   |
| Low cost, quick-change coil assembly | For minimum operator "down time"                             |



## Hand-piece is Ergonomic and Lightweight





## PS-900 Soldering System

| Part No.           | Description  |
|--------------------|--|
| PS-900             | Complete System: PS-PW900, PS-HC3, WS2, AC-CP2         |
| <i>Accessories</i> |  |
| PS-PW900           | Power Supply, 100 to 240 VAC, 50/60 Hz, 90W Max. Input |
| PS-HC3             | Hand-piece w/cord (PS-H3) and Coil Assembly (PS-CA3)   |
| PS-CA3             | Coil Assembly, PS-900 System                           |
| PS-H3              | Hand-piece with Cord, NO Coil Assembly                 |
| WS2                | Auto-sleep Workstand, Black Cradle                     |
| WS2G               | Auto-sleep Workstand, Green Cradle                     |
| AC-CP2             | Tip Removal Pad  |

- A. PS-H3 Hand-piece with Cord, NO Coil Assembly
- B. PS-CA3 Coil Assembly
- C. SxV Soldering Tip
- D. PS-PW900 Power Supply
- E. WS2 Auto-sleep Workstand
- F. PS-HC3 Hand-piece w/cord and Coil Assembly

### EASY ACCESS SOLDERING TIPS *for longer reach touch up applications*

|  |  |  |   |
|--|--|--|---|
|  | <b>SFV-CN05A</b><br>Conical Solder Tip<br>0.5mm (.02")       |  | <b>SFV-CH18A</b><br>Fine Solder Tip<br>1.8mm (.07")           |
|  | <b>SFV-CNL10A</b><br>Conical Long Solder Tip<br>1.0mm (.04") |  | <b>SFV-CH15A</b><br>Chisel Solder Tip<br>1.5mm (.06")         |
|  | <b>SFV-CH50A</b><br>Chisel Solder Tip<br>5.0mm (.197")       |  | <b>SFV-CNL03A</b><br>Conical Long Solder Tip<br>0.3mm (.01")  |
|  | <b>SFV-CH25A</b><br>Chisel Solder Tip<br>2.5mm (.10")        |  | <b>SFV-CNB04A</b><br>Conical Bent Solder Tip<br>0.4mm (.016") |
|  | <b>SFV-CH10A</b><br>Chisel Solder Tip<br>1.0mm (.04")        |  | <b>SFV-DRH430A</b><br>Drag Solder Tip<br>Hoof, 3.0mm (.12")   |
|  | <b>SFV-DRH420A</b><br>Hoof Solder Tip 45°<br>2.0mm (.08")    |  | <b>SFV-DRK45A</b><br>Knife Solder Tip<br>4.5mm (.177")        |
|  |  |  | <b>SFV-DRK30A</b><br>Knife Solder Tip<br>3.0mm (.12")         |

### SOLDERING TIPS *for heavy duty applications*

|  |  |  |   |
|--|--|--|---|
|  | <b>SFV-CH10</b><br>Chisel Solder Tip<br>30° 1.0mm (.04")         |  | <b>SFV-CNL10</b><br>Conical Long Solder Tip<br>1.0mm (.04")   |
|  | <b>SFV-CH20</b><br>Chisel Solder Tip<br>2.0mm (.08")             |  | <b>SFV-CNL14</b><br>Conical Long Solder Tip<br>1.4mm (.056")  |
|  | <b>SFV-CH25</b><br>Chisel Solder Tip<br>2.5mm (.10")             |  | <b>SFV-DRH20</b><br>Conical Bevel Solder Tip<br>2.0mm (.08")  |
|  | <b>SFV-CH50</b><br>Extra Large Chisel Solder Tip<br>5.0mm (.20") |  | <b>SFV-DRK50</b><br>Knife Solder Tip<br>5.0mm (.20")          |
|  | <b>SFV-CHB15</b><br>Chisel Bent 30° Solder Tip<br>1.5mm (.06")   |  | <b>SFV-CNL04</b><br>Conical Long Solder Tip<br>0.4mm (.016")  |
|  | <b>SFV-CN05</b><br>Conical Solder Tip<br>0.5mm (.02")            |  | <b>SFV-DRK50S</b><br>Drag Soldering Tip<br>Knife 5.0mm (.20") |
|  | <b>SFV-CNB05</b><br>Conical Bent Solder Tip<br>0.5mm (.02")      |  | <b>SFV-CNL20</b><br>Conical Tip Long<br>2.0mm (.08")          |

The second digit denotes substrate material (damage tolerance). F= FR4 / Glass Fiber, for most standard applications. Two other series are also available, just replace F with either T or C. T = Temperature Sensitive, C = Ceramic

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Authorized Distributor

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## Metcal:

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