

# METCAL Solder Systems



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# METCAL



## HCT-900 SYSTEM CONVECTION REWORK SYSTEMS

The HCT-900 can be used for the removal and replacement of electronic components, including lead-free, from 0201 up to 304-Pin QFP. It is also effective at reworking pin-hole devices such as sockets and connectors. And, using it with solder braid and flux is a fast and efficient way to remove solder shorts and slashes. It can also be used in plastic applications such as applying shrink wrap to components or the formation of plastic rivets.

### HCT Hand Held Convection Tool

The HCT-900 Hand Held Convection Tool offers a low cost, versatile rework solution for a wide variety of production and rework application challenges. It has a compact, robust design comprising of analog controls for both airflow and heat. A closed loop feedback circuit controls the temperature allowing the desired temperature to be achieved and maintained regardless of changes in the volume of airflow.

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. |               | Fig. | Description                 | Price Each |        |        |
|------------------|---------------|------|-----------------------------|------------|--------|--------|
| Mfr.             | Mfr. Part No. |      |                             | 1          | 5      | 10     |
| 745              | HCT-900-11    | A    | 100/120VAC, AC Input 115VAC | 704.63     | 669.80 | 635.88 |

### HCT Nozzles

The HCT-900 is supplied with a standard single jet H-D50 (0.2", 5.0 mm) nozzle. In addition two rework nozzle kits, predefined for specific applications, are available.

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. |               | Fig. | Chain Type  | Size       | Price Each |       |
|------------------|---------------|------|-------------|------------|------------|-------|
| Mfr.             | Mfr. Part No. |      |             |            | 1          | 5     |
| 745              | H-D25         | B    | -           | 2.5 Dia.   | 21.76      | 21.22 |
| 745              | H-S16         | B    | SOIC 14, 16 | 6.8 x 10.2 | 87.33      | 85.42 |

### HCT Nozzle Kit

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. |               | Fig. | Description                                           | Price Each |        |        |
|------------------|---------------|------|-------------------------------------------------------|------------|--------|--------|
| Mfr.             | Mfr. Part No. |      |                                                       | 1          | 5      | 10     |
| 745              | NZKT-1        |      | Nozzle Kit for Chip Resistors, SOIC and TSOP Packages | 311.19     | 295.64 | 292.91 |

## MX-5000 SERIES REWORK AND SOLDER SYSTEMS

The MX-5000 Soldering, Desoldering and Rework Systems is the next generation of the trusted Metal Soldering Systems that enable increased productivity and process control for a wide range of applications. Building on the renowned strength of its popular MX-500 predecessor, the MX-5000 Series increased output power, adds process feedback, and improves application flexibility with new hand-pieces.

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. |               | Fig. | Description                               | Price Each |
|------------------|---------------|------|-------------------------------------------|------------|
| Mfr.             | Mfr. Part No. |      |                                           |            |
| 745              | MX-5050       | C    | MX-DS010 Hand-Piece Workstand and ACC     | 877.35     |
| 745              | MX-H1-AV      | D    | ADV Hand Piece STTC SMT Cartridges        | 116.23     |
| 745              | MX-PTZ        | E    | Precision Tweezers HP PTTC Cartridges     | 309.95     |
| 745              | MX-DS1        | -    | Desoldering HP STDC Cartridges            | 329.95     |
| 745              | MX-TALON      | -    | Talon Hand Piece TATC Cartridges          | 299.21     |
| 745              | MX-RM3E       | -    | Soldering HP STTC Cartridges              | 104.25     |
| 745              | MX-W1AV       | F    | Workstand For Metcal ADV And Ultrafine HP | 87.95      |
| 745              | MX-W5DS       | -    | Workstand For Metcal MX-DS1               | 87.95      |
| 745              | MX-UK1        | G    | Upgrade Kit ADV HP Tipsaver Workstand     | 204.89     |
| 745              | MX-UK4        | H    | UPG Kit Precision TW HP Tipsaver WK SD    | 390.70     |

## MX-5200 DUAL SIMULTANEOUS SOLDERING, DESOLDERING AND REWORK SERIES

The MX-5200 Soldering, Desoldering and Rework Series offers the same increased productivity and process control as the MX-5000 Series, now with dual-simultaneous ports. The MX-5200 can be operated with two hand-pieces dynamically sharing the 80 watts output power based on demand adding even more application flexibility and speed.

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. |               | Fig. | Description                               | Price Each |
|------------------|---------------|------|-------------------------------------------|------------|
| Mfr.             | Mfr. Part No. |      |                                           |            |
| 745              | MX-5210       | C    | Dual-Simultaneous Solder Rework Station   | 724.00     |
| 745              | MX-5211       | I    | Dual-Simultaneous Solder Rework Station   | 909.00     |
| 745              | MX-5220       | C    | Dual-Simultaneous Ultra Fine Soldering    | 754.00     |
| 745              | MX-5241       | J    | Dual-Simultaneous Tweezer Solder System   | 1075.00    |
| 745              | MX-5250       | K    | Dual-Simultaneous Desoldering Station     | 949.00     |
| 745              | MX-5251       | L    | Dual-Simultaneous Solder, Desoldering     | 1124.00    |
| 745              | MX-PS5200     | M    | Dual-Simultaneous 100-240VAC Power Supply | 539.00     |

## PS-900 SOLDERING SYSTEMS

### PS-900 Solar Soldering System

OK International has launched a new soldering system for PV tabbing and bussing applications proven to reduce micro cracking. The PS-900 with specially designed hoof tip geometry optimizes the power delivered to the solder joint while it's temperature-sensitive heater ensures low temperature soldering thus minimizing thermally induced stresses on cell surfaces.

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. |               | Fig. | Description                   | Price Each |
|------------------|---------------|------|-------------------------------|------------|
| Mfr.             | Mfr. Part No. |      |                               |            |
| 745              | PS-900-SOLAR  | N    | PS-900-SOLAR Soldering System | 262.69     |

### PS-900 Soldering System

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.

System Includes PS-PW900 Power Supply With Power Cord, PS-HC3 Hand-Piece With Coil Assembly, WS2-NS Workstand With Sponge And AC-CP2 Tip Removal Pad.

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. |               | Fig. | Description             | Price Each |
|------------------|---------------|------|-------------------------|------------|
| Mfr.             | Mfr. Part No. |      |                         |            |
| 745              | PS-900        | O    | PS-900 Soldering System | 262.69     |

### Solder Tips

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. |               | Description                   | Size (mm/in.) | Price Each |       |       |
|------------------|---------------|-------------------------------|---------------|------------|-------|-------|
| Mfr.             | Mfr. Part No. |                               |               | 1          | 5     | 10    |
| 745              | SFV-CH20      | Chisel Solder Tip             | 1.80/.04"     | 10.75      | 10.75 | 10.75 |
| 745              | SFV-CH25      | Chisel Solder Tip             | 2.5/.07"      | 10.75      | 10.75 | 10.75 |
| 745              | SFV-CH50      | Extra Large Chisel Solder Tip | 5.0/.20"      | 10.75      | 10.75 | 10.75 |
| 745              | SFV-CH10A     | Chisel Solder Tip             | 1/.039"       | 11.85      | 11.85 | 11.85 |
| 745              | SFV-CH15A     | Chisel Solder Tip             | 1.5/.059"     | 11.85      | 11.85 | 11.85 |
| 745              | SFV-CH50A     | Extra Large Chisel Solder Tip | 5/.197"       | 11.85      | 11.85 | 11.85 |
| 745              | SFV-CHB15     | Chisel Bent 30° Solder Tip    | 1.5/.06"      | 10.75      | 10.75 | 10.75 |
| 745              | SFV-CN05      | Conical Solder Tip            | 0.5/.02"      | 10.75      | 10.75 | 10.75 |
| 745              | SFV-CN05B     | Conical Bent Solder Tip       | 0.5/.02"      | 10.75      | 10.75 | 10.75 |
| 745              | SFV-CNL04     | Conical Long Solder Tip       | 0.4/.16"      | 10.75      | 10.75 | 10.75 |
| 745              | SFV-CNL10     | Conical Long Solder Tip       | 1.0/.04"      | 10.75      | 10.75 | 10.75 |
| 745              | SFV-CNL14     | Conical Log Tip               | 1.4/.055"     | 10.75      | 10.75 | 10.75 |
| 745              | SFV-DRH20     | Conical Solder Tip            | 1.80/.07"     | 10.75      | 10.75 | 10.75 |
| 745              | SFV-CN05A     | Conical Solder Tip            | .5/.02"       | 11.85      | 11.85 | 11.85 |
| 745              | SFV-CNB04A    | Conical Solder Tip            | .4/.016"      | 11.85      | 11.85 | 11.85 |
| 745              | SFV-CNL20     | Conical Solder Tip            | 2/.079"       | 10.75      | 10.75 | 10.75 |
| 745              | SFV-DRH20CP   | Hoof Solder Tip, Drag         | 2/.079"       | 16.95      | 16.95 | 16.95 |
| 745              | SFV-DRH30CP   | Hoof Solder Tip, Drag         | 3/.118"       | 16.95      | 16.95 | 16.95 |
| 745              | SFV-DRH420A   | Hoof Solder Tip, Drag         | 2/.079"       | 12.95      | 12.95 | 12.95 |
| 745              | SFV-DRK45A    | Knife Solder Tip              | 4.5/.177"     | 11.85      | 11.85 | 11.85 |
| 745              | SFV-DRK50     | Knife Solder Tip              | 5.0/.20"      | 10.75      | 10.75 | 10.75 |
| 745              | SFV-DRK50S    | Knife Solder Tip              | 5/.197"       | 10.75      | 10.75 | 10.75 |

