# MX Series Hand-pieces
## Soldering, Desoldering & Rework Systems

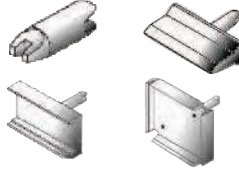The MX-500 AND MX-5200 Series offers users a choice of hand-pieces to meet the customer's application needs. Each hand-piece has its own range of cartridges with many choices available for tip geometry and temperature. The hand-pieces below are compatible with existing MX-500 and MX-5200 Systems as well as backward compatible with previous MX-500 and MX-5000 Systems
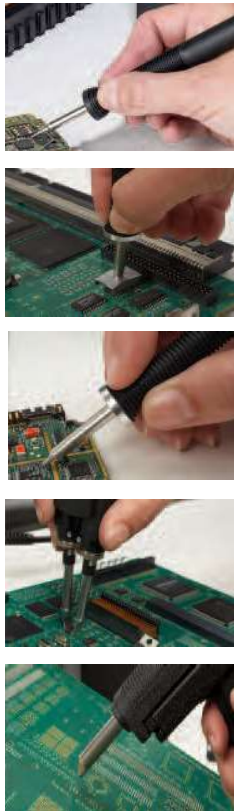
| Hand-pieces | Cartridges |
|---|---|

**MX-RM3E**
Metcal
Hand-piece

**MX-H1-AV**
Metcal
Advanced™
Hand-piece

**STTC   Soldering Cartridges
See pages 11-12.**

**SMTC  Rework Cartridges
See pages 14-15.**

**MX-H2-UF**
Metcal
UltraFine™
Hand-piece

**UFTC   Ultra Fine Soldering
Cartridges. See page 13.**

**MX-PTZ**
Metcal
Precision
Tweezer
Hand-piece

**PTTC Tweezer Cartridges.
See page 17.**
Also available are TATC Cartridges for the previous TALON hand-piece and the existing MX-TALON-01 upgrade kit. See page 15.

**MX-DS1**
Metcal
Desoldering
Hand-piece

**STDC Desoldering Cartridges.
See page 18.**

| Hand-pieces and Grips | |
|---|---|
| MX-H1-AV | 1 | Metcal Advanced™ Hand-piece with cord, soldering and rework, two grips included (see *) |
| MX-H1GR | 2 | Grip Metcal Advanced™ Hand-piece with black sleeve in ring pattern (*) |
| MX-H1GS | 3 | Grip Metcal Advanced™ Hand-piece with black scallop pattern |
| MX-H1GKG | 4 | Grip Metcal Advanced™ Hand-piece with green knob pattern (*) |
| MX-H1-BSR-5 | | Replacement Sleeve only, black ring pattern (pack of 5) - For MX-H1-AV and MX-H1GR |
| MX-H1-BSS-5 | | Replacement Sleeve only, black scallop pattern (pack of 5) - For MX-H1-AV and MX-H1GS |
| MX-H1-GSK-5 | | Replacement Sleeve only, green knob pattern (pack of 5) - For MX-H1-AV and MX-H1GKG |
| MX-H2-UF | 5 | Metcal UltraFine™ Hand-piece with cord, fine soldering, two grips included (see **) |
| MX-H2GR | 6 | Grip Metcal UltraFine™ Hand-piece with black sleeve in ring pattern (**) |
| MX-H2GRS | 7 | Short grip Metcal UltraFine™ Hand-piece with black sleeve in ring pattern |
| MX-H2GS | | Grip Metcal UltraFine™ Hand-piece with black sleeve in scallop pattern |
| MX-H2GKG | | Grip Metcal UltraFine™ Hand-piece with green sleeve in knob pattern (**) |
| MX-H2-BSR-5 | | Replacement Sleeve only, black ring pattern (pack of 5) - For MX-H2-UF and MX-H2GR |
| MX-H2-BSS-5 | | Replacement Sleeve only, black ring pattern (pack of 5) - For MX-H2-UF and MX-H2GS |
| MX-H2-GSK-5 | | Replacement Sleeve only, black ring pattern (pack of 5) - For MX-H2-UF and MX-H2GKG |
| MX-RM3E | 8 | Metcal Soldering / Rework Hand-piece |
| MX-PTZ | 9 | Metcal Precision Tweezer Hand-piece, SMD rework |
| MX-DS1 | 10 | Metcal Desoldering Hand-piece |
| MX-RM8E | | Metcal Desoldering Hand-piece Cord for MX-DS1 |
| MX-RM5E | | Standard Robotic cable (1.83m / 6ft) with connector for Soldering/Rework cartridges |
| MX-RM6E | | Metcal Soldering / Rework Hand-piece for long reach cartridge access |

NOTE: Cartridges are not included with hand-pieces. A cartridge removal pad (MX-CP1 see page 8) is included with every hand-piece.

# MX Series Accessories

## Workstands and Accessories

| | | |
|---|---|---|
| MX-W1AV | **1** | Metcal TipSaver™ Workstand, for Metcal Advanced™ and UltraFine™ Hand-pieces |
| MX-W1CR | | Cradle for TipSaver™ Workstand, Advanced™ and UltraFine™ Hand-pieces, incl. knobs |
| MX-W4PT | **2** | Metcal TipSaver™ Workstand, for MX-PTZ Hand-piece |
| MX-W4CR | | Cradle for Metcal TipSaver™ Workstand, MX-PTZ Hand-piece, includes knobs |
| MX-W5DS | | Metcal TipSaver™ Workstand, for MX-DS1 Hand-piece |
| MX-W5CR | | Cradle for Metcal TipSaver™ Workstand, MX-DS1 Hand-piece, includes knobs |
| WS1 | **3** | Sleeper Soldering Workstand for MX-RM3E hand-piece |
| WST | | Talon Workstand for MX-TALON hand-piece |
| AC-Y10 | **4** | Yellow sponge, pack of 10 |
| AC-YS3-P | | Yellow sponge, pack of 50 |
| AC-BP | **5** | Brass pad, pack of 10 |
| AC-BRUSH | | Soft Brass Brush |
| MX-CP1 | **7** | Cartridge removal pad |
| AC-CK2 | | Green Lead Free identification ring for STTC cartridges (pack of 50) |

## Accessories for MX-DS1 Desoldering Hand-piece

| | | |
|---|---|---|
| MX-DCF1 | | Chamber Liners (pack of 15) and Filters (pack of 6) |
| MX-DCF1L | | Chamber Liners (pack of 40) |
| MX-DCF1F | | Filters (pack of 20) |
| AC-TC | **8** | Desolder Tip Cleaner |
| AC-CB1-P | | Desolder Chamber Cleaning Brush (pack of 25) |
| AC-CB2-P | | Tube Cleaning Brush (pack of 6) |
| MX-DSL2 | | Seal Cartridge |
| MX-DSB | | Swivel Connector |
| MX-DLA | | Desolder Gun Latch Adjustment (pack of 10) |
| MX-DMK1 | | Maintenance Kit |
| MX-DAH4 | | ESD air hose for MX-DS1 Desoldering Hand-piece |
| MX-DSL1 | | Seal Chamber |
| MX-DVC1 | | Venturi Cartridge |
| MX-DAR1 | | Air Regulator and Filter |

All Metcal TipSaver Workstands can be configured as shown above.

## UPGRADE KITS GUIDE: HAND-PIECE AND WORKSTAND

| PART NUMBER | Hand-pieces | | | | | Workstands | | | |
|---|---|---|---|---|---|---|---|---|---|
| | MX-H1-AV Metcal Advanced™ | MX-H2-UF Metcal UltraFine™ | MX-PTZ Precision Tweezers | MX-DS1 Desoldering | MX-HPDC | MX-W1AV | MX-W4PT | MX-W5DS | MX-WHPDC |
| MX-UK1 | ✔ | | | | | ✔ | | | |
| MX-UK2 | | ✔ | | | | ✔ | | | |
| MX-UK3 | | | | ✔ | | | | | ✔ |
| MX-UK4 | | | ✔ | | | | ✔ | | |
| MX-UK5 | | | | ✔ | | | | ✔ | |

All upgrade kits include a hand-piece and a workstand.

MX-TALON-01 Upgrade kit is also available for the MX-500 Series. It includes the previous MX-TALON hand-piece and WST workstand (as shown right). The TALON hand-piece is for use with TATC cartridges only.