

Dual and Hoof Cartridge Tips



The success of conduction soldering depends upon the availability and controlled flow of thermal energy into the connection during two critical phases – flux activation and intermetallic bond formation. Higher thermal demand applications such as microwave shields, heavy block type housing and tabbing, preheat applications, BGA removal as an alternative to convection, cell phone shields, and industrial lugs and leads require additional thermal energy during these critical phases.

To address these challenging applications, Metcal offers the MX-HPDC dual cartridge hand-piece with the MX-WHPDC workstand for use with the MX series power supplies, along with a new series of (5) SMTC dual-shaft cartridges. Dual shaft cartridges are available with 700 & 800 series heaters.



Systems Configuration & Upgrade Kits

- ▶ MX-5200 power supply in dual-simultaneous mode to provide 40W of power to both heaters
- ▶ 2x MX-5200 power supplies to provide 80W of power to both heaters



Part Number	Description
MX-HPDC	Dual Cartridge Hand-Piece
MX-WHPDC	Workstand for Dual Cartridge Hand-Piece
MX-UK3	Upgrade Kit, MX-HPDC Hand-Piece & MX-WHPDC Workstand
SMTC-xCH75D	Dual Cartridge Chisel, 7.5mm
SMTC-xCH100D	Dual Cartridge Chisel, 10mm
SMTC-xCH150D	Dual Cartridge Chisel, 15mm
SMTC-xDRH75D	Dual Cartridge, Hoof, Drag, 7.5mm
SMTC-xCHB100D	Dual Cartridge Chisel, Bent, 10mm

Concave Hoof Cartridges

Metcal is pleased to release our new Concave Hoof geometries to our family of rework cartridges. The new cartridges consist of 2mm and 3mm geometrics in the SMTC and SxP series. The concave hoof cartridges improve the drag soldering techniques as the concave face of the tip provides a reservoir of solder. These are ideal for drag soldering multi-lead devices.

	<p>SMTC-0185 SMTC-1185</p>
	<p>SMTC-0186 SMTC-1186</p>