

# Dual Cartridge Hand-Piece, Workstand and Dual-Shaft Cartridges



To meet higher thermal demands, Metcal is pleased to introduce a new dual cartridge hand-piece and workstand along with a series of five new dual-shaft cartridge geometries available in two temperature series.

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.



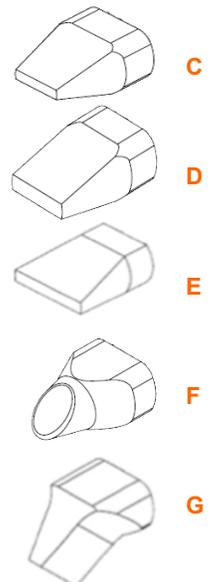
To address these challenging applications, Metcal offers the MX-HPDC dual cartridge hand-piece with the MX-WHPDC workstand for use with the MX series power supplies, along with a new series of (5) SMTC dual-shaft cartridges. Dual shaft cartridges are available with 700 & 800 series heaters.

## Recommended configurations:

- (1) MX-5200 power supply in dual-simultaneous mode to provide 40W of power to both heaters
- (2) 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 and MX-WHPDC Workstand <b>A</b>
MX-PS5200	MX-5200 Dual Port Simultaneous Power Supply <b>B</b>
SMTc-xCH75D	Dual Cartridge Chisel, 7.5mm <b>C</b>
SMTc-xCH100D	Dual Cartridge Chisel, 10mm <b>D</b>
SMTc-xCH150D	Dual Cartridge Chisel, 15mm <b>E</b>
SMTc-xDRH75D	Dual Cartridge, Hoof, Drag, 7.5mm <b>F</b>
SMTc-xCHB100D	Dual Cartridge Chisel, Bent, 10mm <b>G</b>



x = 7, 700 series for standard applications  
 x = 8, 800 series for high thermal demand applications