

Connection Validation Hand-pieces and Upgrade Kits

Metcal offers eight different hand-pieces and upgrade kits for the Connection Validation Soldering system. These ergonomic hand-pieces transform the CV system into a complete soldering solution for a wide variety of applications.

UltraFine Hand-piece & UltraFine Tweezer Hand-piece

Metcal's UltraFine hand-pieces add a specialty tool for soldering and rework of very small components, restricted access or high density component packaging on a PCB.



Key Features & Benefits:

- Improved temperature control: Metcal's SmartHeat® inside means lower risk of overshooting delicate components
- Very fast heat-up speed means you can get to your next task even faster
- Ergonomic, lightweight hand-piece keeps you comfortable even on large industrial jobs
- Designed for use under a microscope
- Compatible with UFC cartridges and available in 600 and 700 series temperatures for the UltraFine hand-piece. Compatible with UFT cartridges and available in 600 and 700 series for the UltraFine Tweezers hand-piece

Part Number	Description
CV-H2-UF	UltraFine Hand-piece for CV System
CV-UK2	Upgrade Kit, UltraFine Hand-piece and Work-stand
CV-H4-UFT	UltraFine Tweezer Hand-piece for CV System
CV-UK4-HFT	Upgrade Kit, UltraFine Tweezer Hand-piece and Work-stand

Precision Tweezer Hand-piece

Transform the Connection Validation Soldering Systems into a rework system for applications requiring the removal of surface mount components from 1mm x 1mm on up.



Key Features & Benefits:

- Adjustable tip alignment for both height and rotation ensures co-planarity of the tip cartridges

- Dual position pitch-switch enables adjustment of pincer-action, adjusting to the component width, improving operator ergonomics
- Lightweight and ergonomic hand-piece
- Quick change tip cartridges with keyway to prevent misalignment
- For use with PTC Tweezer Cartridges

Part Number	Description
CV-H4-PTZ	Precision Tweezer Hand-piece for CV System
CV-UK4	Upgrade Kit, Tweezer Hand-piece and Work-stand

Desolder Hand-piece

Transform the Connection Validation Soldering Systems into a rework system for applications requiring the removal of solder such as through hole components.



Key Features & Benefits:

- Designed for plated-through hole component desoldering
- Ergonomic easy-to-grip handle
- The hand-piece requires shop air for operation
- Compatible with DSC cartridges available in 700, 800, and 900 series temperatures

Part Number	Description
CV-H5-DS	Desolder Hand-piece for CV System
CV-UK5	Upgrade Kit, Desolder Hand-piece and Work-stand

High Thermal Demand Hand-piece

Metcal's High Thermal Demand hand-pieces and tips transform the CV-5200 Soldering System into a powerhouse. Metcal's HTD solution provides a boost in performance by more effectively delivering thermal energy to the most demanding loads.



Key Features & Benefits:

- Improved temperature control: Metcal's SmartHeat® inside means lower risk of overshooting delicate components
- Very fast heat-up speed means you can get to your next task even faster
- Ergonomic lightweight hand-piece keeps you comfortable even on large industrial jobs
- Compatible with HCV cartridges and available in 700, 800, and 900 series temperatures

Part Number	Description
CV-H6-HTD	High Thermal Demand Hand-piece for CV System
CV-UK6	Upgrade Kit, High Thermal Demand Hand-piece and Work-stand