



# New Product Intro

## Connection Validation New Hand-pieces

### Precision Tweezer Hand-piece for CV

Metcal's Precision tweezer hand-piece for the CV-5200 Soldering Systems transform the CV-5200 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 miss-alignment

**For use with PTC Tweezer Cartridges**

| Part Number | Description                                 |
|-------------|---|
| CV-H4-PTZ   | CV Precision Tweezer Hand-piece             |
| CV-UK4      | CV PTZ Upgrade Kit, Hand-piece & Work-stand |

### **High Thermal Demand for CV**

#### High Thermal Demand for Solder Wire Feeder for CV

Metcal's High Thermal Demand hand-pieces and tips transform the CV-5200 Soldering Systems into a powerhouse for applications with high thermal loads such as dense boards, without damaging sensitive components. Adding the High Thermal Demand for Solder Feeder to your system provides additional process control and convenience to your soldering process.

It reduces the risk of prolonged soldering contact and improves time to manufacture while maintaining the comfort of the sleek and ergonomic hand-piece that you're used to.

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   | CV High Thermal Demand Hand-piece           |
| CV-UK6      | CV HTD Upgrade Kit, Hand-piece & Work-stand |
| CV-H7-HTD   | CV HTD Hand-piece for Solder Wire Feeder    |
| CV-UK7-HTD  | CV HTD Upgrade Kit with Solder Wire Feeder  |



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## Solder Wire Feeder for CV

### **Speed Up Your Soldering Process & Increase Your Line Efficiency:**

Metcal's Solder Wire Feeder System adds control and convenience to your soldering process. The digital controls, high performance, and its ability to handle multiple solder wire diameters provide repeatability and functionality to your process. The Solder Wire Feeder pairs with Metcal's SmartHeat® CV-5200 or CV-500 Soldering Systems.

### **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 CVC cartridges and available in 700, 800, and 900 series temperatures**

| <b>Part Number</b> | <b>Description</b>                     |
|--------------------|--|
| CV-H7-AV           | CV Solder Wire Feeder Hand-piece       |
| CV-UK7             | CV Upgrade Kit with Solder Wire Feeder |



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### Desolder Hand-piece for CV

Metcals desolder hand-piece for the CV-5200 Soldering Systems transform the CV-5200 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

#### For use with DSC Series Desolder Cartridges

| Part Number | Description                                      |
|-------------|--|
| CV-H5-DS    | CV Desolder Hand-piece with air hose assy.       |
| CV-H5-DSHP  | CV Desolder Hand-piece only (no hose assy.)      |
| CV-UK5      | CV Desolder Upgrade Kit, Hand-piece & Work-stand |

**Note:** The CV-H5-DS hand-piece is now shipped with the necessary air hose and fittings. Order CV-H5-DSHP if you need hand-piece only with no hose and fittings.

#### Accessories for Desolder Hand-piece:

| Part Number | Description                                      |
|-------------|--|
| CV-DAH4     | ESD Air Hose for CV-H5-DS                        |
| CV-DAR1     | Air Regulator & Filter                           |
| CV-DCF1     | Chamber Liners (Pack of 15), Filters (pack of 6) |
| CV-DCF1F    | Filters, Pack of 20                              |
| CV-DLA      | Desolder Gun Latch Adjustment (Pack of 10)       |
| CV-DMK1     | Maintenance Kit                                  |
| CV-DSB      | Swivel Connector                                 |
| CV-DSL1     | Seal Chamber                                     |
| CV-DSL2     | Seal Cartridge                                   |
| CV-DVC1     | Venturi Cartridge                                |
| CV-RM8E     | Desoldering Hand-Piece Cord For CV-H5-DS         |
| CV-W5DS     | Work-stand for CV-H5-DS                          |
|             |  |



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### Ultrafine Hand-pieces for CV



Metcal's UltraFine<sup>®</sup> hand-pieces provide specialty tools for soldering and rework of very small components, with restricted access or high component density packaging on a PCB. Metcal's UltraFine<sup>®</sup> hand-pieces pair with Metcal's SmartHeat<sup>®</sup> CV-5200 and upcoming CV-500 Soldering Systems.

#### Key Features & Benefits:

- Precision temperature control: Metcal's SmartHeat<sup>®</sup> inside means lower risk of overshooting delicate components
- Independent tweezer tip alignment adjustment for improved precision
- 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
- UFC cartridges available in 600 and 700 series temperatures for the UltraFine<sup>®</sup> hand-piece. UFT cartridges available in 600 and 700 series temperatures for the UltraFine<sup>®</sup> Tweezer hand-piece

| Part Number | Description  |
|-------------|--|
| CV-H2-UF    | CV Ultrafine Hand-piece                            |
| CV-UK2      | CV Ultrafine Upgrade Kit, Hand-piece & Work-stand  |
| CV-W1AV     | CV Work-stand for Ultrafine Hand-piece             |
| CV-H4-UFT   | CV Ultrafine Tweezer Hand-piece                    |
| CV-UK4-UFT  | CV UF Tweezer Upgrade Kit, Hand-piece & Work-stand |
| CV-W4PT     | CV Work-stand for Ultrafine Tweezer Hand-piece     |