

JBC

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Precision Soldering Station

Ref. CD-SC

CD-SC / PRECISION SOLDERING STATION

CD-2C / CD-1C / CD-9C
Control Unit



T210-A
Precision Handpiece



CL6210 Brass Wool



C210001
C210008
Cartridges



S0354 Sponge



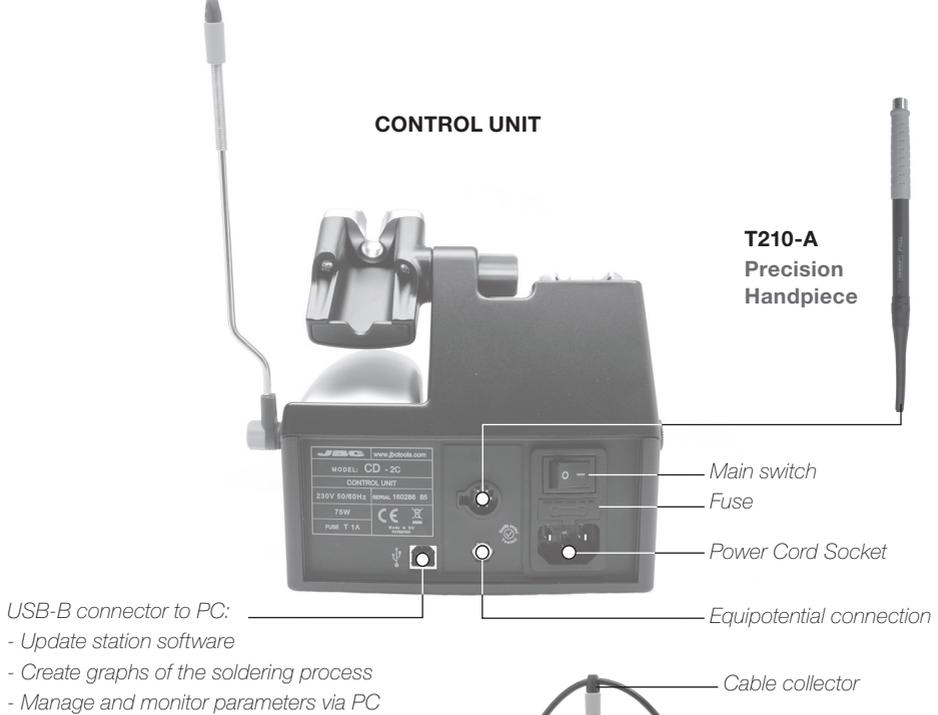
POWER CORD



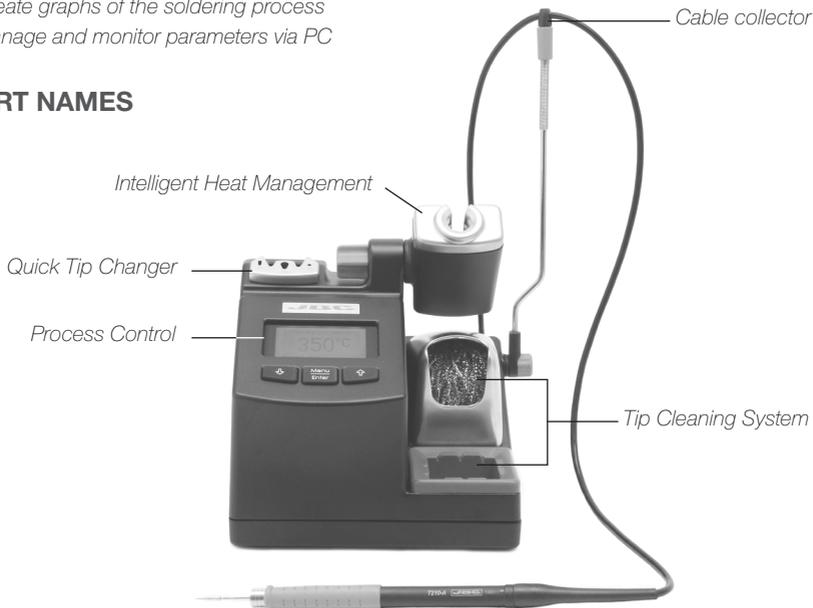
MANUAL



INSTALLATION

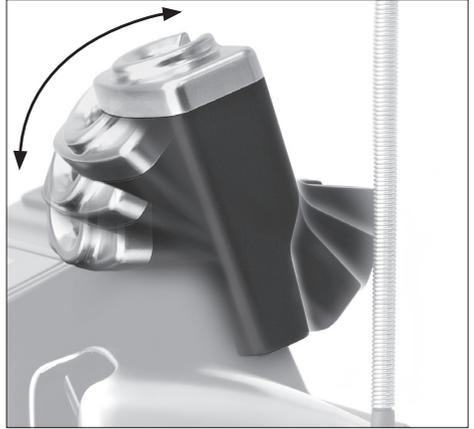


PART NAMES



CD-SC / PRECISION SOLDERING STATION

ADJUSTABLE STAND

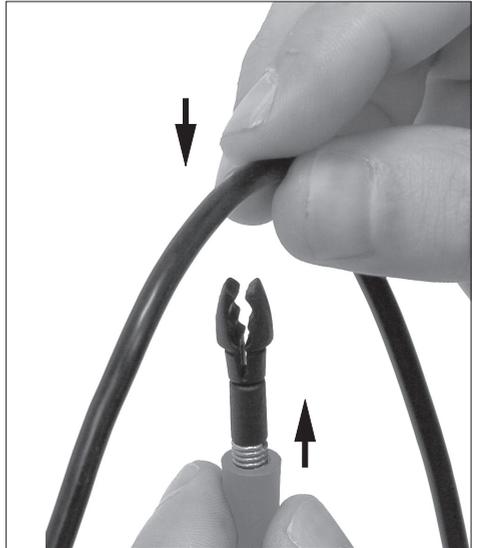


The tool stand is easily adjustable. Loosen the tightening knob to adjust the position.

CABLE COLLECTOR



Loosen the tightening knob to adjust the position of the cable collector.

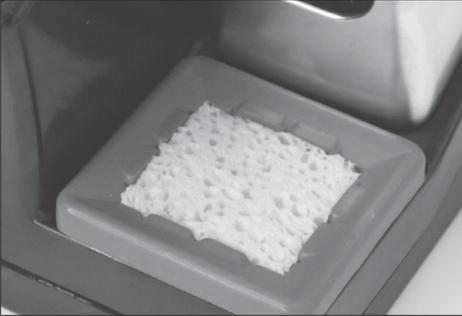


Slide the green piece down to place the wire.

CLEANING OPTIONS

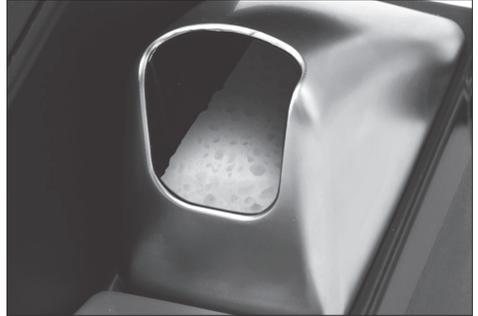
Full set of clean option: sponge, metal wool and brush

S0331 Sponge



The smoothest cleaning method. The sponge has to be kept wet (not soaked) using distilled water.

S0354 Sponge



CL6205 Inox Wool



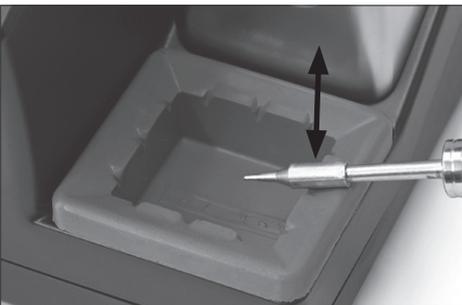
Provides a deeper cleaning on the tip.

CL6220 Brushes



More aggressive on the tip than the wool.

TAPPING



Tap smoothly the cartridge on the wiper profile to remove the excess of solder

WIPING



Use the slots to wipe any possible particle stuck on the tip

CD-SC / PRECISION SOLDERING STATION

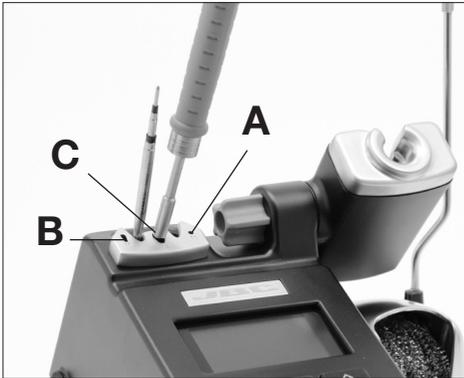
QUICK TIP CHANGER



Place the handpiece in the extractor and remove the cartridge.

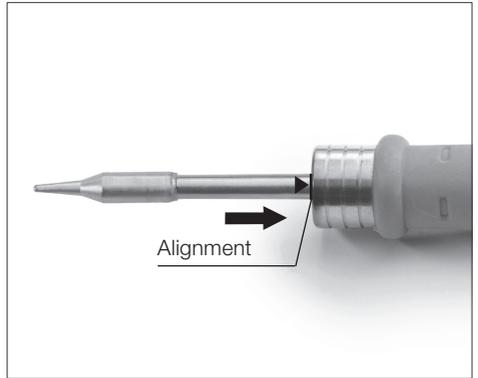


Place the handpiece on top of the new cartridge, press it slightly down and remove the handpiece from the extractor.



Press the cartridge into the opening A, B or C:

- A.** For straight C210 cartridges.
- B.** For curved C210 cartridges.
- C.** For C245 cartridges.



Important

It is essential to insert the cartridge till the end for a good connection. Use the mark as reference.

HANDPIECE

T210-A Precision Handpiece

These handpieces are perfect For precision applications with medium power requirements.
Use C210 cartridge range



ACCESSORIES



F3450 Fume Extractor *(not included)*

Easily clips onto the handpiece and can be quickly removed for easy maintenance.

CONNECTABLE HANDPIECES

T210-PA Precision Blue Handpiece

The blue grip allows the user to differentiate the tool for leaded jobs from the lead-free ones.
Use C210 cartridge range



T245-A* Handpiece

For general soldering purposes with high power requirements.



T245-PA* Blue Handpiece

Used for leaded jobs



T470-A* Comfort Handpiece with screw

It incorporates a screw for securing the cartridges.



T470-SA* Long Handpiece (3m cable)

T470-FA* Comfort Handpiece

It incorporates a foamed grip of insulating material which makes you feel more comfortable when working



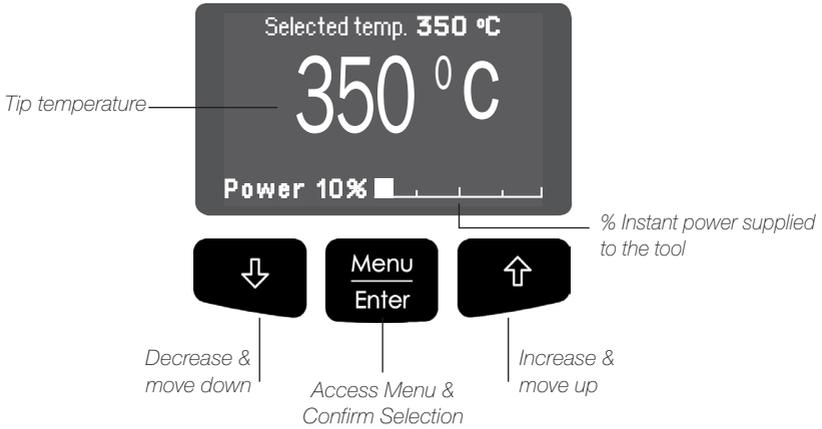
T470-MA* Long Comfort Handpiece

(3m cable)

*These handpieces only works with C245 cartridge range for this station.

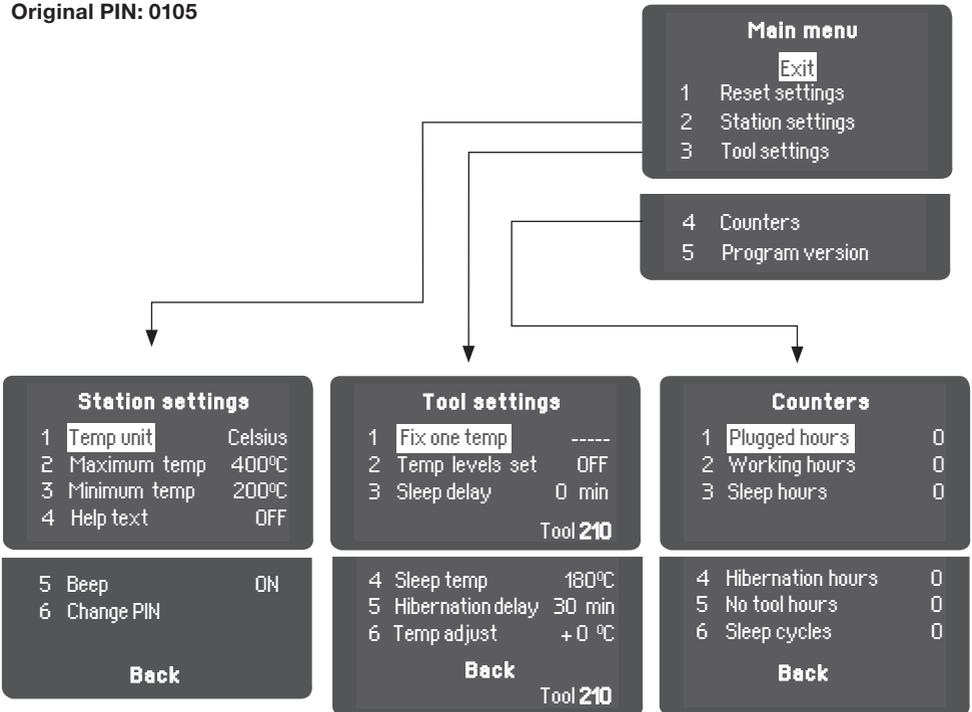
CD-SC / PRECISION SOLDERING STATION

CONTROL SCREEN



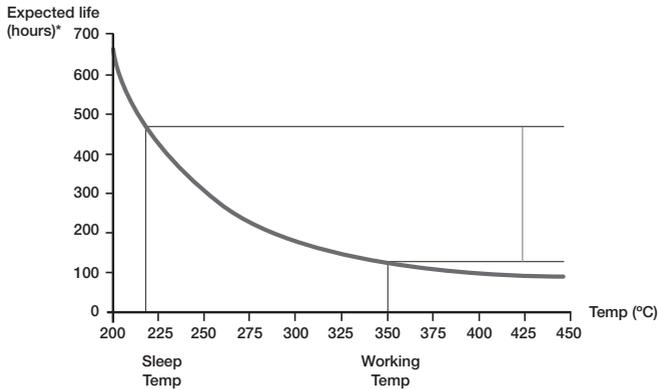
SETTINGS MENU

Original PIN: 0105



HEAT MANAGEMENT

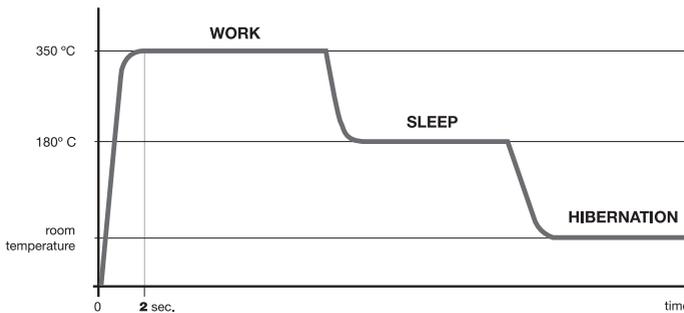
JBC stations intelligently manage the tool temperature and it helps to extend the tip life:



Work mode: Lift tool from the stand and the tool tip heats up to the selected temperature.

Sleep mode: When the tool is in the stand, the temperature reduces (preset sleep temperature is 180°C / 360°F).

Hibernation mode: After longer periods of inactivity (pre-set to 30 minutes), the power is cut off and the tool cools down to room temperature.



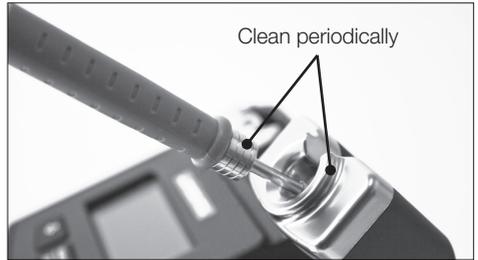
Heat management increase tip life which reduces cost of ownership.

CD-SC / PRECISION SOLDERING STATION

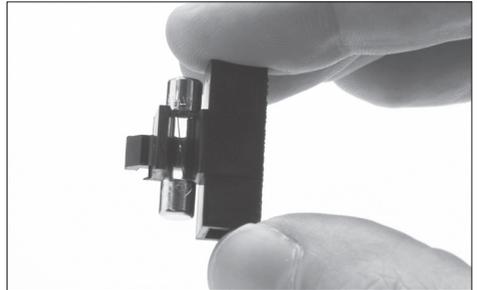
MAINTENANCE

Before carrying out maintenance or storage, always allow the equipment to cool.

- Replace any defective or damaged pieces. Use original JBC spare parts only.
- Repairs should only be performed by a JBC authorized technical service.
- Maintenance shall not be carried out by children unless supervised.
- Use a damp cloth to clean the case and the tool. Alcohol can be used only to clean the metal parts.
- Check periodically that the metal parts of the tool/stand are clean in order to have a good detection when the tool is in the stand.
- Clean the station's screen with a glass cleaner or a damp cloth.
- Maintain tip surface clean and tinned prior to storage in order to avoid tip oxidation. Rusty and dirty surfaces reduce heat transfer to the solder joint.
- Periodically check all cables and tubes connected.
- Replace the fuse if it is blown according to the following guidelines:



Remove the fuse by pulling the black cap. Help yourself with a lever tool if necessary.



Place the new fuse into the holder by pushing and enter it again into the station.

SAFETY



It is imperative to follow safety guidelines to prevent electric shock, injury, fire or explosion.

- Do not use the units for any purpose other than soldering or rework. Incorrect use may cause fire.
- The power cord must be plugged into approved bases. Be sure that it is properly grounded before use. When removing it, hold the plug, not the wire.
- Do not work on electrically live parts. Antistatic handle of soldering irons is electrically conductive.
- The tool should be placed in the stand when not in use in order to activate the sleep mode. The soldering tip, the metal part of the tool and the stand may still be hot even when the station is turned off. Handle with care, including when adjusting the stand position.
- Do not leave the appliance unattended when it is on.
- Do not cover the ventilation grills. Heat can cause inflammable products to ignite even when out of sight.
- Use a "non residue" classified flux and avoid contact with skin or eyes to prevent irritation.
- Be careful with the fumes produced when soldering.
- Keep your workplace clean and tidy. Wear appropriate protection glasses and gloves when working to avoid personal harm.
- Utmost care must be taken with liquid tin waste which can cause burns.
- This appliance can be used by children over the age of eight and also persons with reduced physical, sensory or mental capabilities or lack of experience provided that they have been given adequate supervision or instruction concerning use of the appliance and understand the hazards involved. Children must not play with the appliance. Maintenance shall not be carried out by children unless supervised.

TECHNICAL SPECIFICATIONS

- Total unit weight: 2,6 Kg.
- Size: 150 x 175 x 145 mm
- Temperature selection from 90°C (190°F) to 450°C (840°F) (±5%).
- Output Peak Power CD-SC: 40W.
- Safety transformer, mains separator and double isolation.
- **CD-2C** 230V 50/60Hz. Input fuse: 1A. Output: 23,5V.
- **CD-1C** 120V 50/60Hz. Input fuse: 2A. Output: 23,5V.
- **CD-9C** 100V 50/60Hz. Input fuse: 2A. Output: 23,5V.
- Input Fuse 1A (230V), 2A (120V and 100V)
- Tip to ground resistance <2 ohms
- Tip to ground voltage <2mV RMS
- Ambient operating temp: 10-40 °C / 50-104 °F
- USB interface station-PC
- Complies with CE standards
- ESD protected housing "skin effect"

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Warranty

JBC's 2 year warranty covers this equipment against all manufacturing defects, including the replacement of defective parts and labour.

Warranty does not cover product wear due to use or mis-use.

In order for the warranty to be valid, equipment must be returned, postage paid, to the dealer where it was purchased.



This product should not be thrown in the garbage.

In accordance with the European directive 2002/96/EC, electronic equipment at the end of their life must be collected and returned to an authorized recycling facility.