

JBC

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CD-1BC/2BC/9BC SOLDERING STATION

CD-1BC/2BC/9BC - SOLDERING STATION

SAFETY

It is imperative to follow safety guidelines to protect health and prevent electric shock, injury, fire or explosions.

- The mains cable must be plugged into approved bases.
- The tool should be placed in the stand when not in use. This way the sleep mode will be activated.
- The soldering tip and the metal part of the tool may still be hot even when the station is turned off. Handle with care.
- The stand can also be hot. To adjust its position, turn the station off and wait until the cartridge cools down.
- Be careful with the remains of liquid tin. In contact with skin, it can cause burns.
- Use a “non residue” classified flux and avoid contact with skin or eyes to prevent irritation.
- Do not work on electrically live parts. Antistatic handle of soldering irons is electrically conductive.
- Be careful with the smoke produced when soldering.
- Keep your workplace clean and tidy. Wear appropriate protection glasses and gloves when working to avoid any damage.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.



CAUTION

- Incorrect use of tool may cause fire.
- Be careful when using the tool in areas where inflammable products are stored.
- Heat can cause inflammable products to ignite even when not at sight.

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



T245-A
Handpiece



CL6210 Brass Wool



C245903
C245741
Cartridges



S0354 Sponge



Power Cord

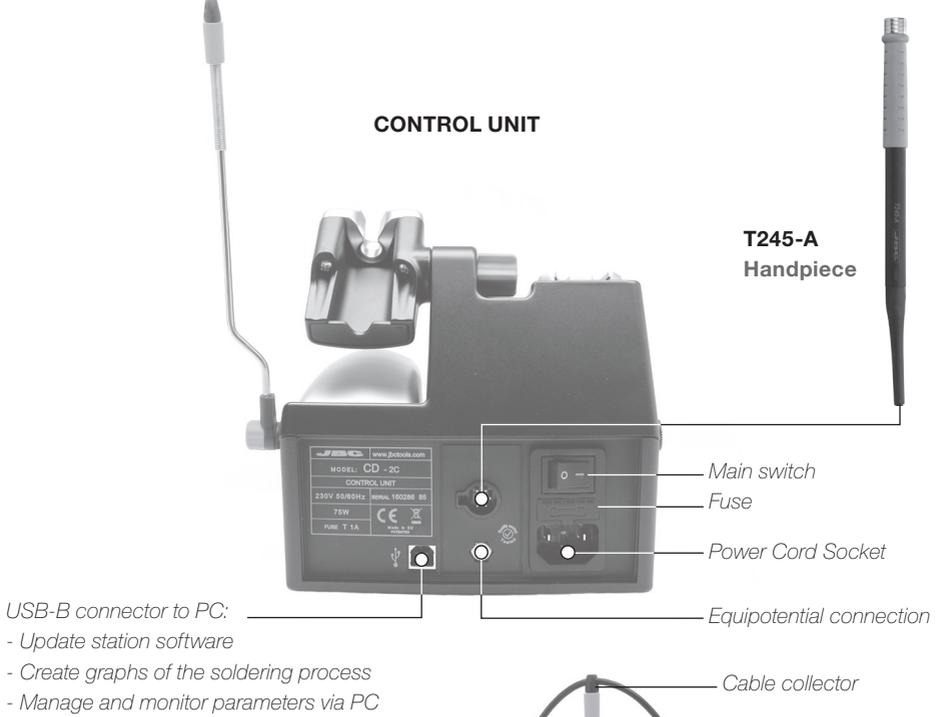


MANUAL

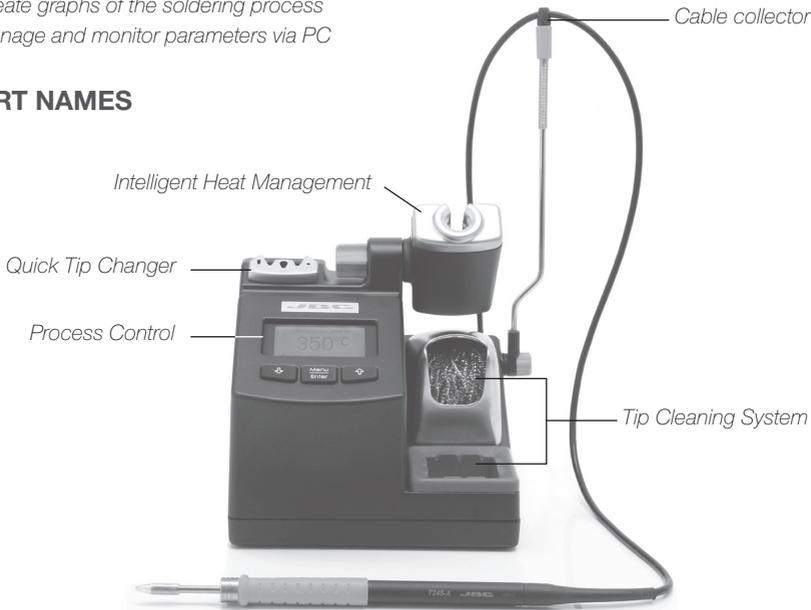


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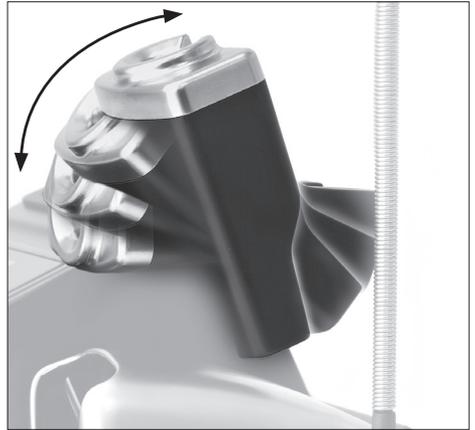
INSTALLATION



PART NAMES



ADJUSTABLE STAND

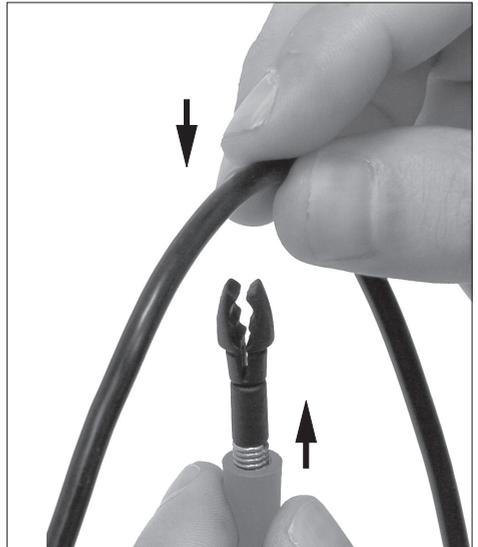


The tool stand is easily adjustable. Loosen the tightening knob to adjust the position.

CABLE COLLECTOR



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



Slide the green piece down to place the wire.

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CLEANING OPTIONS

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

S0331 Sponge



S0354 Sponge



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

CL6205 Inox Wool



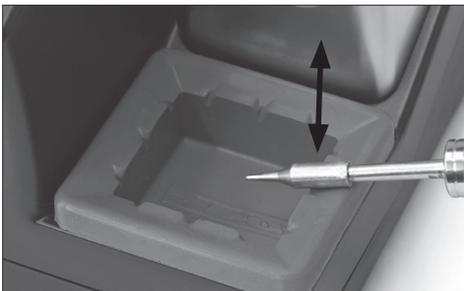
Provides a deeper cleaning on the tip.

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.

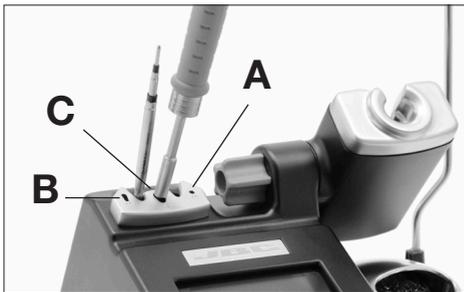
QUICK TIP CHANGER



Place the handpiece in the extractor and remove the cartridge.

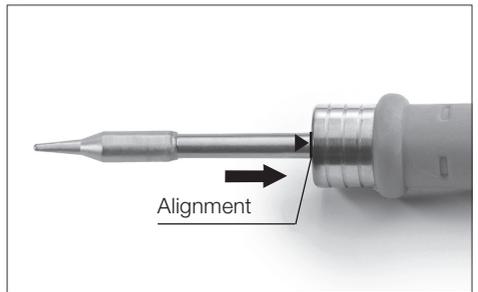


Place the handpiece on top of the new cartridge, press it slightly down and remove the handpiece from the extractor.



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

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



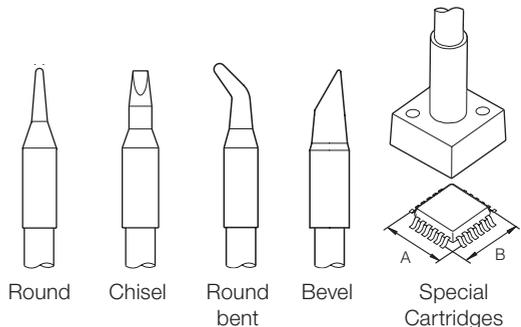
Important

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

CARTRIDGE RANGE

C245 cartridge range is the widest one of JBC with many shapes, sizes and special models.

They are appropriate for general soldering purposes and they are perfect for both SMD components or for applications with high power requirements such as ground plane soldering.



Please visit our website to see the full range
www.jbctools.com

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HANDPIECE

T245-A Handpiece

These handpieces are perfect for both SMD components and for jobs with high power requirements. Use C245 cartridge range



ACCESSORIES



F3449 Fume Extractor *(not included)*

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

CONNECTABLE HANDPIECES

T245-PA Blue Handpiece

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

T245-B Soft touch Handpiece

The striated appearance helps you hold the handpiece for a long time. Use C245 cartridge range

T210-A Precision Handpiece

For precision applications with medium power requirements.

T210-PA Precision Blue Handpiece

Used for leaded jobs.

Use C210 cartridge range.

T470-A* Handpiece with screw

It incorporates a screw for securing the cartridges.

T470-SA* Handpiece with screw + long cable (3m)

T470-A* Tri-lobed Handpiece with screw

3-sided handle for easy grip.

T470-FA* Comfort Handpiece with screw

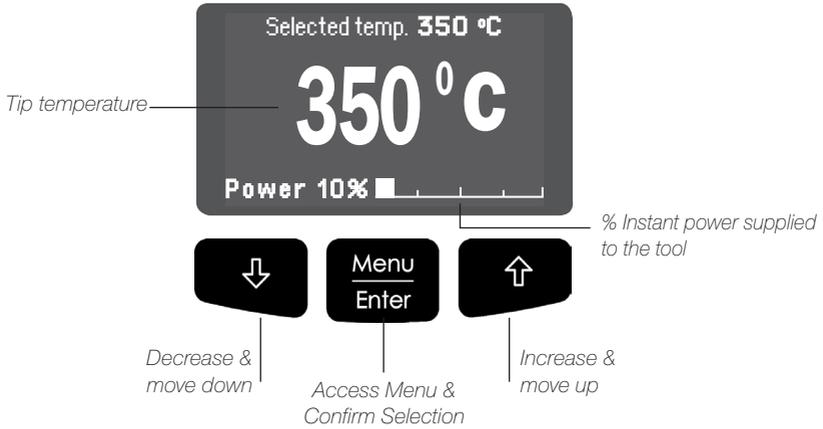
It incorporates a foamed grip of insulating material which makes you feel more comfortable when working

T470-MA* Comfort Handpiece with screw + long cable (3m)



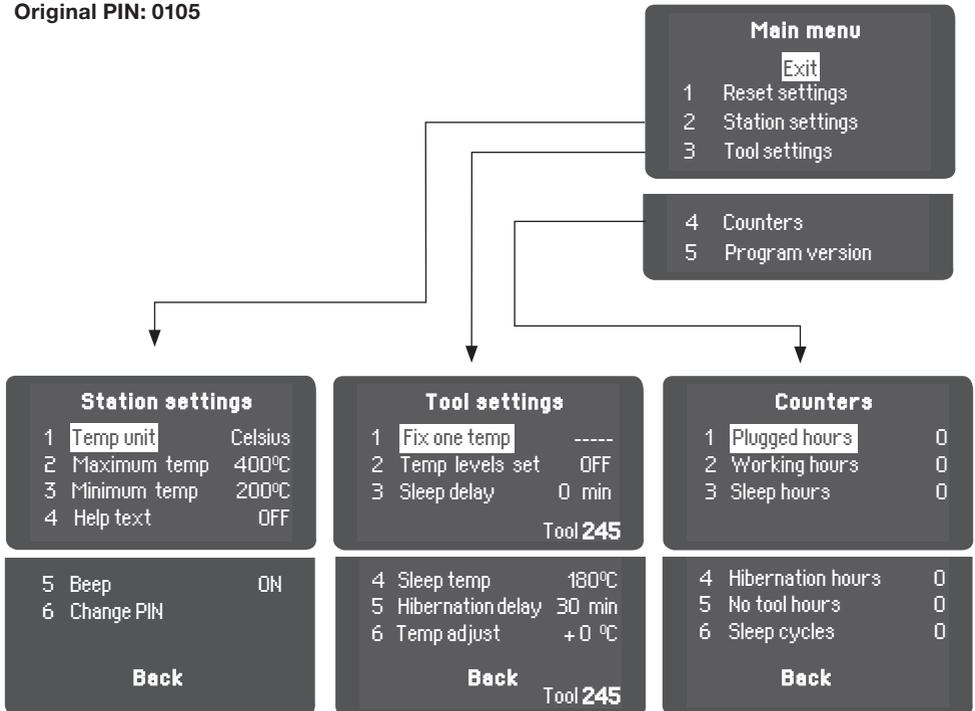
*These handpieces only work with C245 cartridge range for this station.

CONTROL SCREEN



SETTINGS MENU

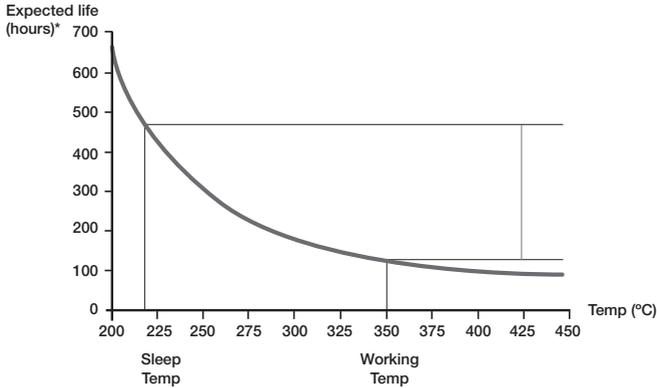
Original PIN: 0105



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HEAT MANAGEMENT

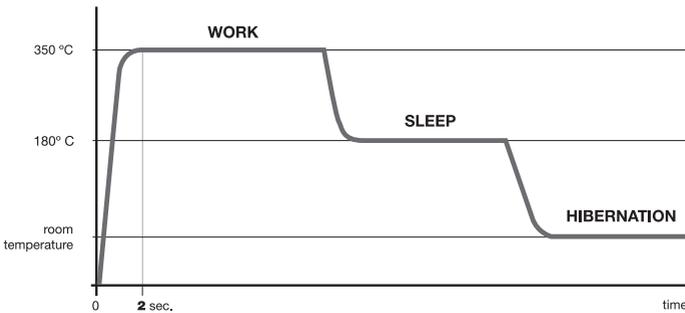
JBC stations intelligently manage the tool temperature and it helps to extend the tip life:



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.

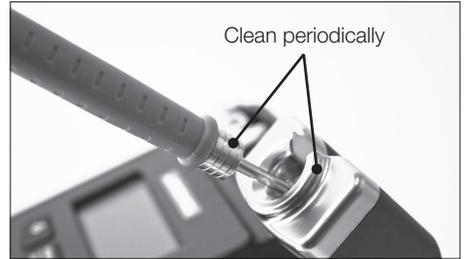


Heat management increase tip life which reduces cost of ownership.

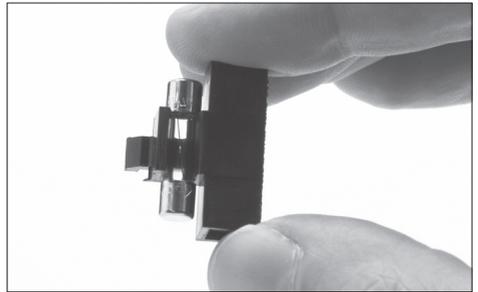
MAINTENANCE

Prior to maintenance or storage you must unplug the equipment from the power supply and let it cool down.

- 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.
 - Keep the 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 any defective or damaged handpiece or tool.
- Replace the fuse if it is blown according to the following guidelines:



Unplug the station. Remove the fuse by pulling the black cap. Help yourself with a lever tool if necessary. See the fuse's technical specifications on the last page.



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

REPAIR

- Repairs should be performed only by a JBC's authorized technical service.
- JBC offers you a professional after-sales service for your equipment.
- Use original JBC spare parts only. Otherwise this may lead to accidents.

TECHNICAL SPECIFICATIONS

- Temperature selection from 90°C (190°F) to 450°C (840°F) (±5%).
- Output Peak Power CD-BC: 130W.
- Safety transformer, mains separator and double isolation.
- **CD-1BC** 120V 50/60Hz. Input fuse: 2A. Output: 23,5V. Control Unit model: **CD-1C**
- **CD-2BC** 230V 50/60Hz. Input fuse: 1A. Output: 23,5V. Control Unit model: **CD-2C**
- **CD-9BC** 100V 50/60Hz. Input fuse: 2A. Output: 23,5V. Control Unit model: **CD-9C**
- Total unit weight: 2,6 Kg. (5.7lb)
- Complies with CE standards according to the following directives:
2006/95/CE, 2004/108/CE, 2011/65/EU
- ESD protected housing "skin effect".
- Equipotential connector and the tool tip are connected to the station's mains grounding for ESD protection.



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.

JBC

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 and shall be void if the equipment has been tampered with by unauthorised persons.

In order for the warranty to be valid, equipment must be returned, postage paid, to the dealer where it was purchased enclosing this form duly filled in.

SERIAL N°

DEALER'S STAMP

DATE OF PURCHASE

Visit our website to see the updated manuals.

www.jbctools.com