Precision Soldering Station
Ref. CD-SC
CD-SC / PRECISION SOLDERING STATION

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

T210-A
Precision Handpiece

C210001
C210008
Cartridges

CL6210 Brass Wool

S0354 Sponge

POWER CORD

MANUAL

www.jbctools.com
Quick Tip Changer

Process Control

USB-B connector to PC:
- Update station software
- Create graphs of the soldering process
- Manage and monitor parameters via PC

PART NAMES

Intelligent Heat Management

Tip Cleaning System

Control Unit

T210-A
Precision Handpiece

Main switch
Fuse
Power Cord Socket
Equipotential connection
Cable collector
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.

CL6205 Inox Wool

Provides a deeper cleaning on the tip.

S0354 Sponge

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.
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

Selected temp. 350 °C

Tip temperature

Power 10%

% Instant power supplied to the tool

Decrease & move down

Access Menu & Confirm Selection

Increase & move up

SETTINGS MENU

Original PIN: 0105

Main menu
1 Exit
2 Reset settings
3 Station settings
4 Tool settings
5 Counters
6 Program version

Station settings
1 Temp unit Celsius
2 Maximum temp 400°C
3 Minimum temp 200°C
4 Help text OFF
5 Beep ON
6 Change PIN

Tool settings
1 Fix one temp -----
2 Temp levels set OFF
3 Sleep delay 0 min
4 Sleep temp 180°C
5 Hibernation delay 30 min
6 Temp adjust +0°C

Counters
1 Plugged hours 0
2 Working hours 0
3 Sleep hours 0
4 Hibernation hours 0
5 No tool hours 0
6 Sleep cycles 0

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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

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 inflamable 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 ºC / 50-104 ºF
- USB interface station-PC
- Complies with CE standards
- ESD protected housing “skin effect”

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.

![Warranty Logo]

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.