

# JBC

[www.jbctools.com](http://www.jbctools.com)



## Heavy Duty Station

Ref. HD-B

# 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.

## Packing List

The following items should be included:

**HD-1B / 2B / 9B**  
Control Unit



**HD-SD**  
Stand



**T470-A**  
Handpiece with  
screw



**CL9885**  
Tip Cleaning Stand



**S0354**  
Sponge



**POWER CORD**



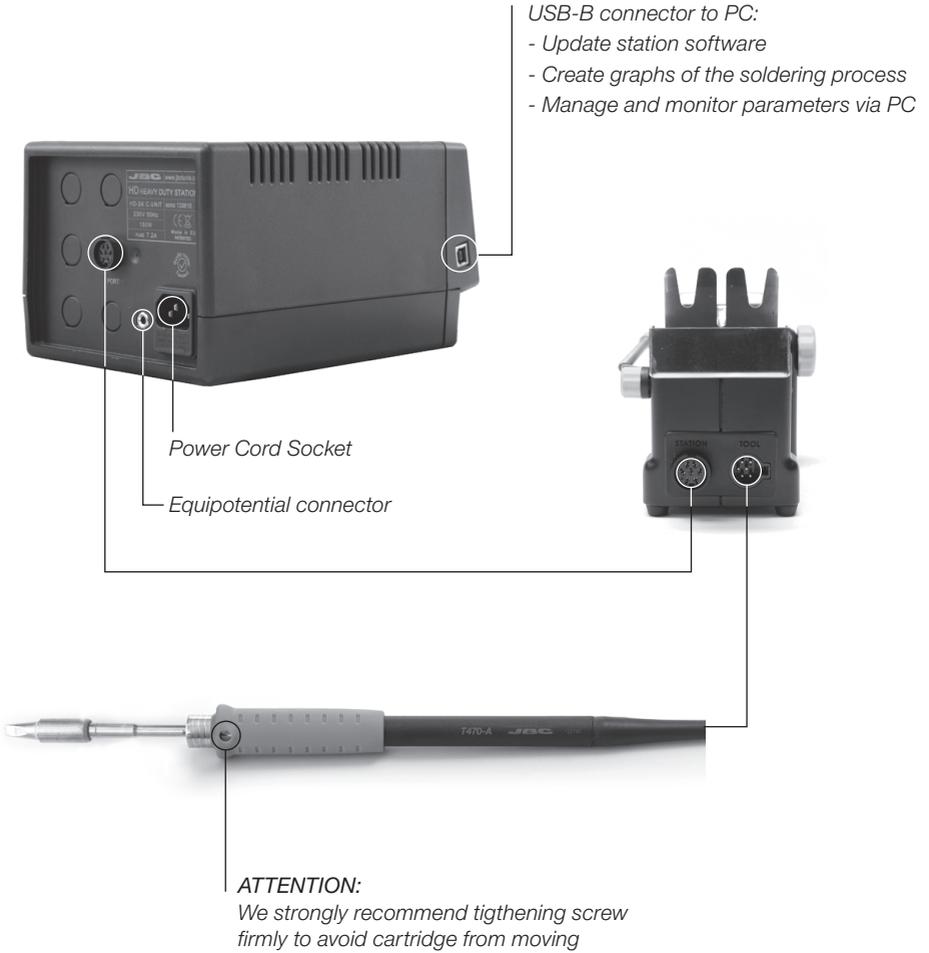
**0011283**  
Connection cable 1m



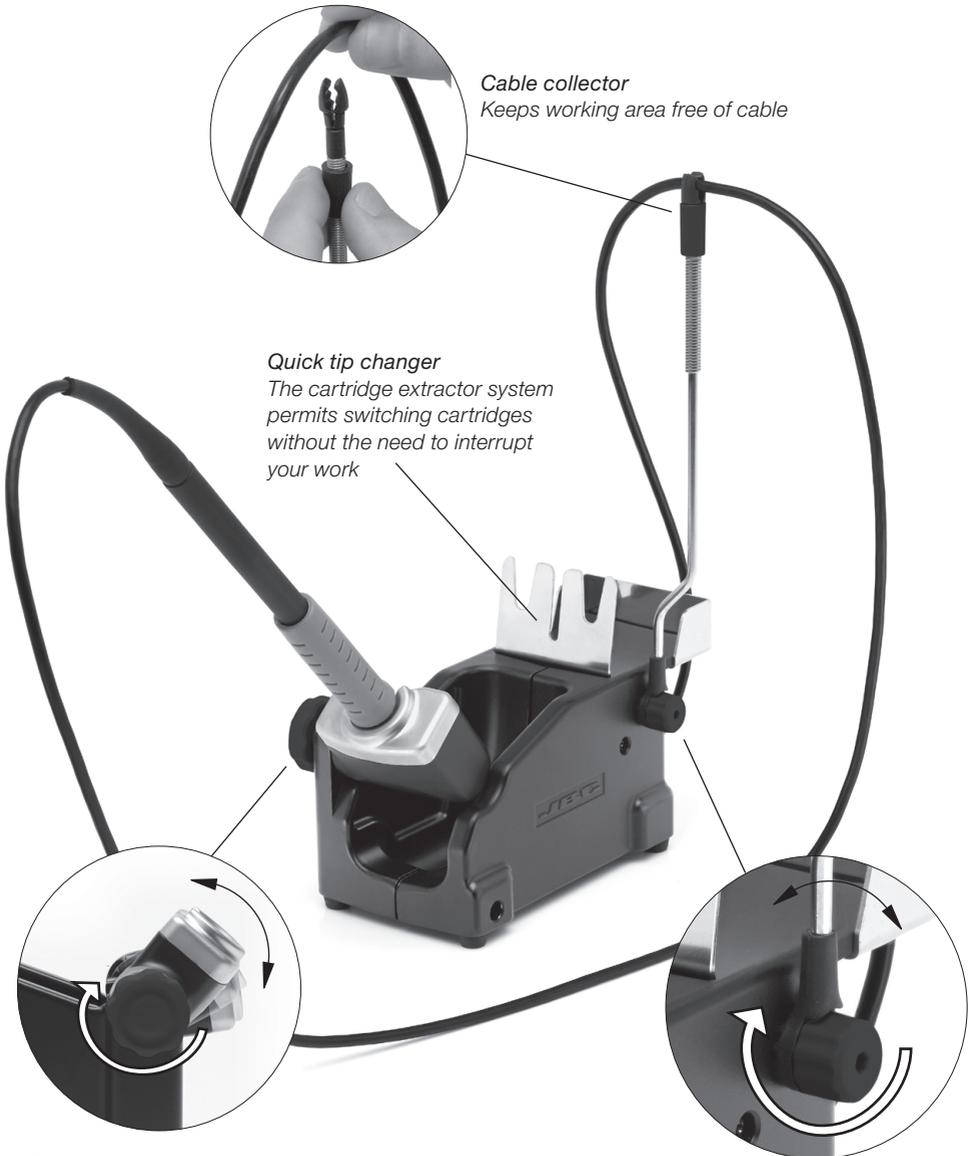
**MANUAL**



# Features



## HD-SD STAND



**Cable collector**  
Keeps working area free of cable

**Quick tip changer**  
The cartridge extractor system permits switching cartridges without the need to interrupt your work

**Adjustable tool holder**  
The tool stand are easily adjustable

## T470-A HANDPIECE WITH SCREW

These handpieces has been specially designed for intensive desoldering jobs with high power requirements such as soldering components to large grounds planes, production of solar panels, armor and other applications. It incorporates a screw for securing the cartridges. Use C470 Cartridge range.



## ACCESSORIES



### **F6457 Fume Extractor** (*not included*)

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

## CONNECTABLE HANDPIECES

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



### **T470-ZA\*** Tri-lobed Handpiece with screw 3-sided handle for easy grip.



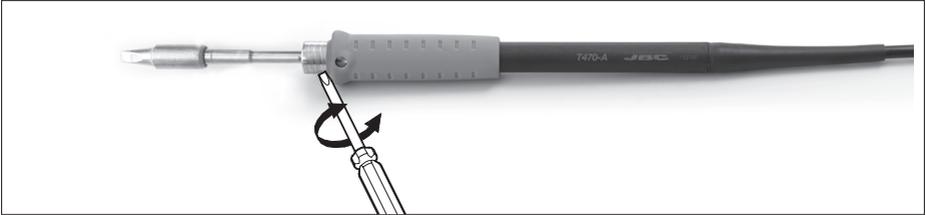
### **T470-FA\*** Comfort Handpiece with screw It incorporates a foamed grip of insulating material which makes you feel more comfortable when working



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

\*These handpieces only work with C470 cartridge range for this station.

## Changing cartridges



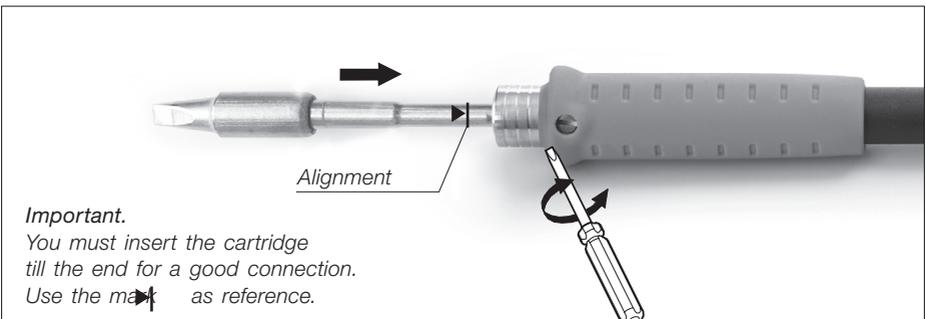
1 Untighten the screw before placing the handpiece in the cartridge extractor.



2 Place the handpiece in the extractor and pull or remove the cartridge.



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



**Important.**  
You must insert the cartridge  
till the end for a good connection.  
Use the mark as reference.

4 Once the cartridge is properly inserted we recommend tightening the screw firmly to avoid cartridge from moving.

## CL9885 TIP CLEANING STAND

Is designed to be used next to the point of work. With its weight and non-slip base it can be used without having to hold the base down while cleaning the tips.

CL6210  
Brass Wool

S0354 Sponge



CL6210 Brass wool

CL6205 Inox wool



CL6220 Brushes



S0354 Sponge

## OPTIONAL

CL6205 Inox Wool



CL6220 Brushes

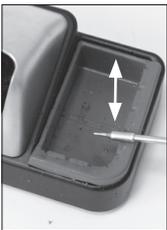


TT-A Tip-Tinner



CL0236 Tip wiper

Tapping



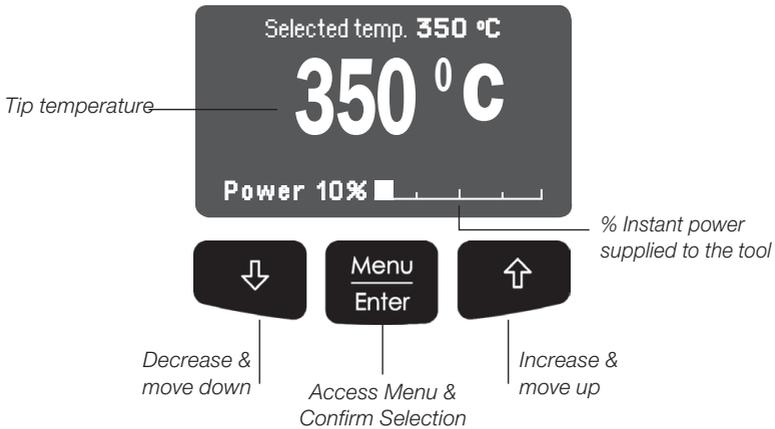
Wipping



Wiper can be easily removed to clean it.

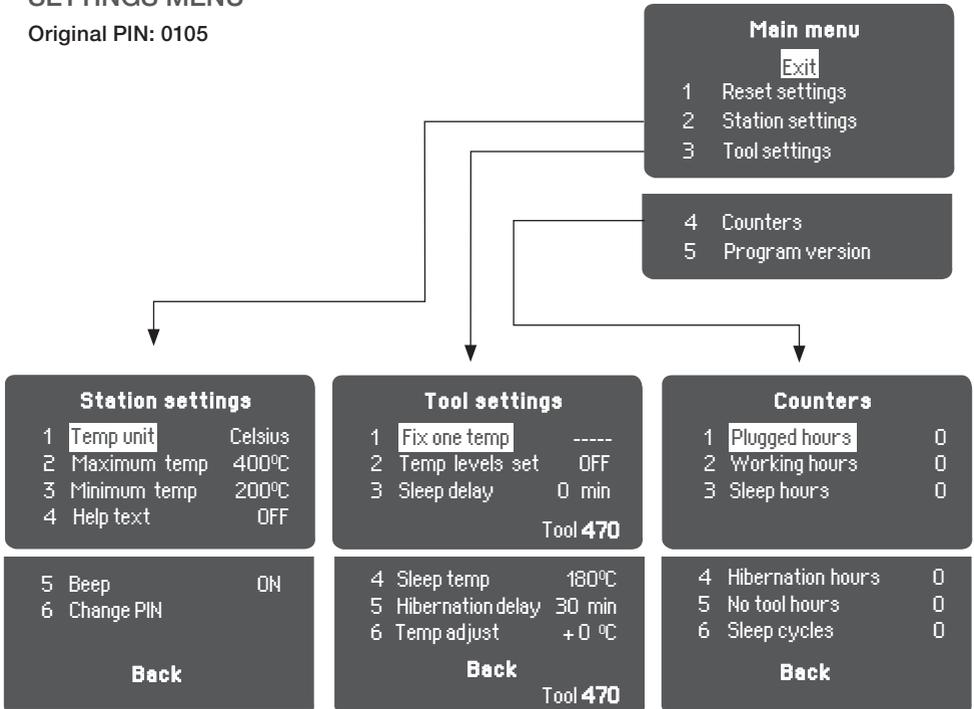


## Control display



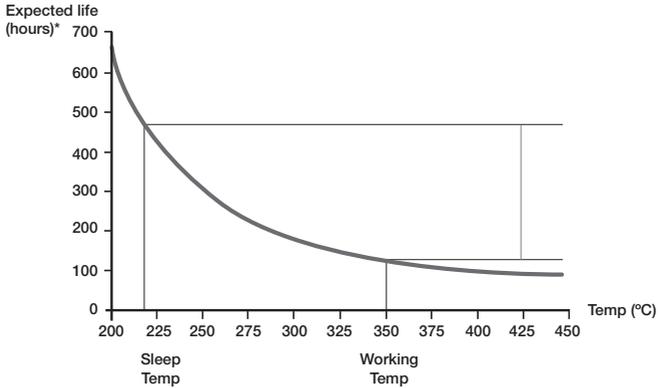
## SETTINGS MENU

Original PIN: 0105



# Heat Management

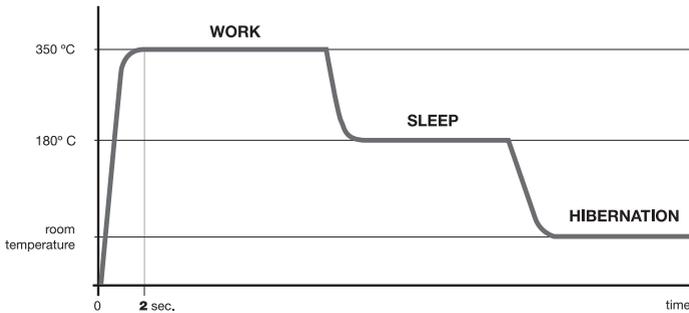
JBC stations intelligently manage the tool temperature and it helps to extend the tip life:



**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.

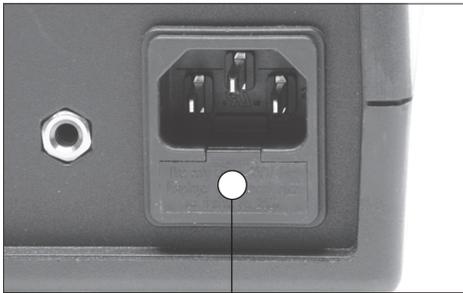
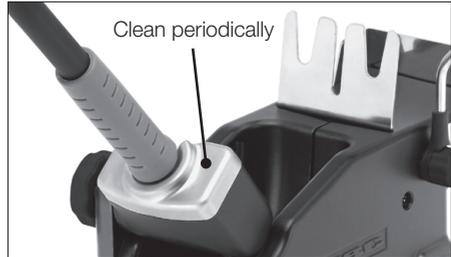


Heat management increase tip life which reduces cost of ownership.

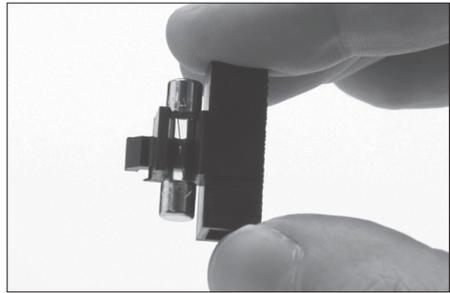
## Maintenance

Before carrying out maintenance or storage, always unplug the equipment from the mains, 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. Use a glass cleaner or a damp cloth to clean the station screen.
- 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.
- 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.

- Replace any defective or damaged piece. Use original JBC spare parts only.
- Repairs should be performed only by a JBC authorized technical service.

## Specifications

- Total weight: 5.9 kg (13.1 lb)
- Temperature selection from 90°C (190°F) to 500°C (932°F).
- Output Peak Power: 250W
- Safety transformer, mains separator and double isolation.
- **HD-2B** 230V 50/60Hz. Input fuse: 2A. Output: 47V. Control Unit model: HD-2B
- **HD-1B** 120V 50/60Hz. Input fuse: 4A. Output: 47V. Control Unit model: HD-1B
- **HD-9B** 100V 50/60Hz. Input fuse: 4A. Output: 47V. Control Unit model: HD-9B
- Ambient operating temp: 10-40 °C / 50-104 °F
- USB station-PC
- Complies with CE standards
- ESD protected housing "skin effect"

# 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.

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.