

# JBC

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



## Heavy Duty station for Robot

Ref. HDR

# HDR / HEAVY DUTY STATION FOR ROBOT

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



**T470-SA**  
Comfort Handpiece



**Power cord**



**0002747**  
Converter

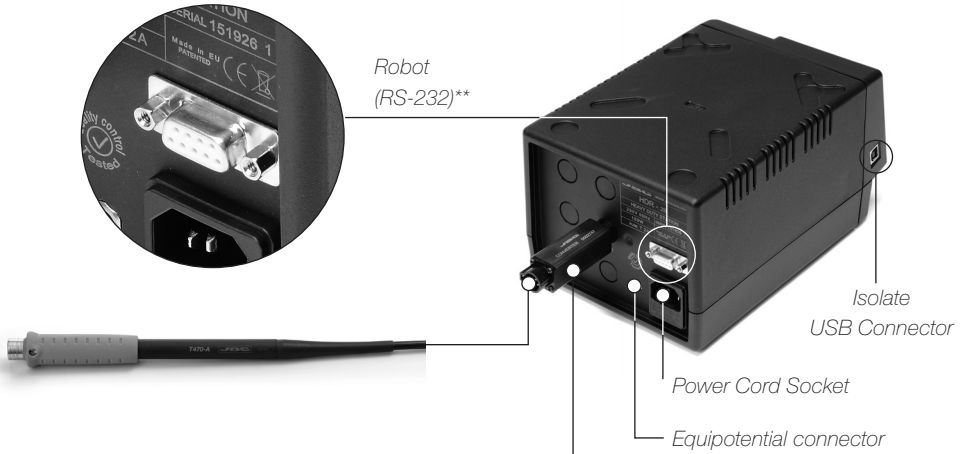


**MANUAL\***



\*Download the Robot  
Communication Protocol at  
[www.jbctools.com/downloads.html](http://www.jbctools.com/downloads.html)

## INSTALLATION



*\*\*We recommend to isolate the RS-232 communication electrically.*



This converter allows users to connect a T210, T245 or T470 handpiece directly to the station without the need of using a stand.

# HDR / HEAVY DUTY STATION FOR ROBOT

## HANDPIECE

### T470-SA Long Handpiece

Designed for intensive soldering jobs with high power requirements such as soldering components to large ground planes, production of solar panels, armor and other applications.

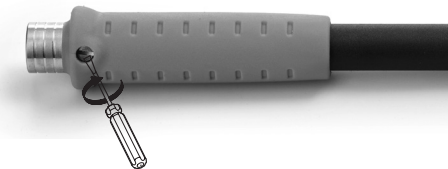
The screw incorporated in the handpiece is used to fix the cartridge to prevent rotation.

Ideal when NO cartridge change is needed.

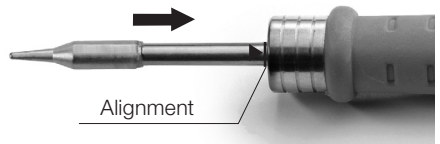


Use C470 cartridge range

## CHANGING THE HANDPIECE'S CARTRIDGE



Untight the screw before changing the cartridge and tight again once the cartridge is properly inserted. **Warning:** It is essential to tighten this screw for the tool to function.



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

## CONNECTABLE HANDPIECES

### T470-A Handpiece with screw

It incorporates a screw for securing the cartridges.



### T470-FA Comfort Handpiece

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

### T470-MA Long Comfort Handpiece

(Supplied with a 3m length cable).



## ACCESSORIES

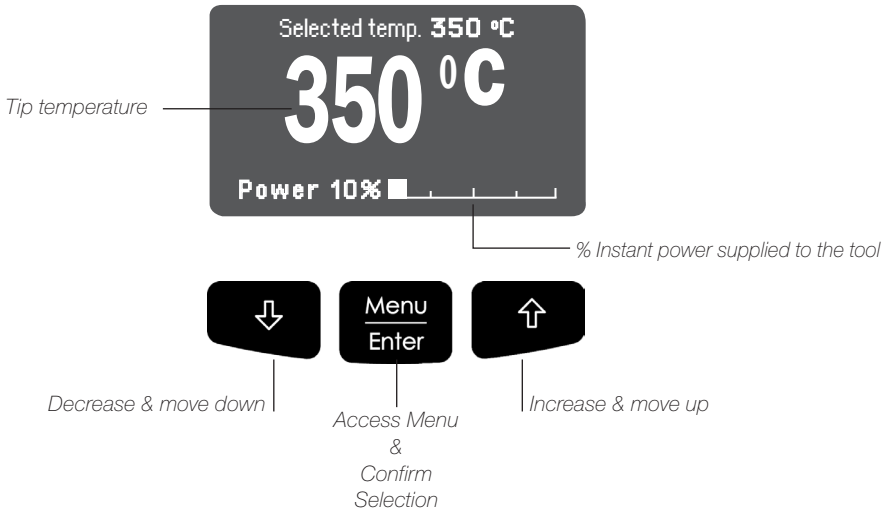


### F6457 Fume Extractor

*(not included)*

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

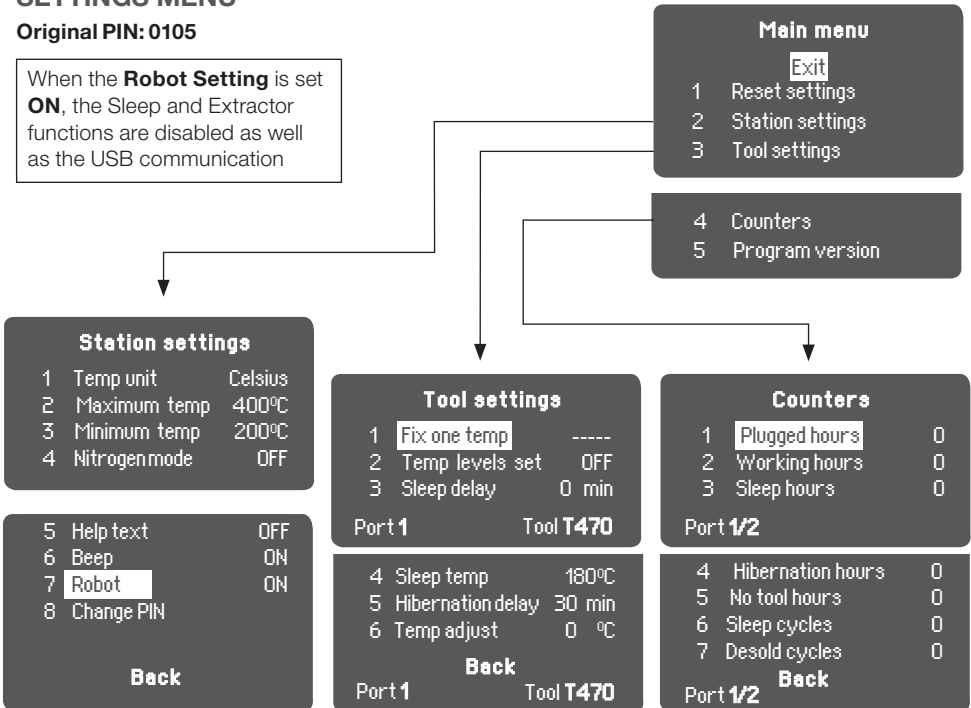
## CONTROL SCREEN



## SETTINGS MENU

Original PIN: 0105

When the **Robot Setting** is set **ON**, the Sleep and Extractor functions are disabled as well as the USB communication

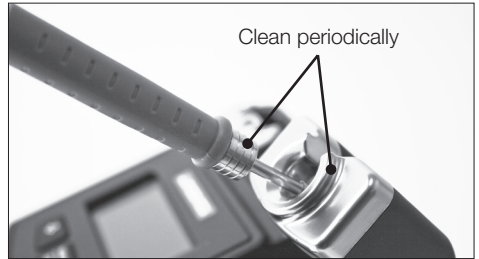


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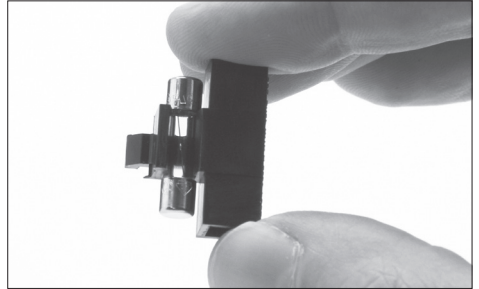
## MAINTENANCE

Prior to maintenance or storage should disconnect 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.
- 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 any defective or damaged handpiece or tool.
- 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.

## REPAIR

- Repairs should be performed only by a specialist. Otherwise JBC can not rule out the risk of accident.
  - JBC offers you a professional after-sales service for your equipment.
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## SAFETY

**It is imperative to meet the following safety guidelines to protect health and prevent electric shock, injury, fire or explosions.**

- Keep children and non-trained personnel away from the equipment.
- 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 as well. To adjust the angle, 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.
- Wear appropriate protection glasses and gloves when working to avoid any damage.



### 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 in sight.

## TECHNICAL SPECIFICATIONS

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- Temperature selection from 90°C (190°F) to 500°C (932°F) ( $\pm 5\%$ ).
- Output Peak Power: 250W
- Safety transformer, mains separator and double isolation.
- **HDR-2B** 230V 50/60Hz. Input fuse: 2A. Output: 47V.
- **HDR-1B** 120V 50/60Hz. Input fuse: 4A. Output: 47V.
- **HDR-9B** 100V 50/60Hz. Input fuse: 4A. Output: 47V.
- Total weight of unit: 5,9Kg (13.1lb)
- Complies with CE standards on electrical safety, electromagnetic compatibility and ESD protected housing "skin effect".
- RoHS compliant.
- Equipotential connector and the tool tip are connected to station mains ground supply for ESD protection.



This product should not be thrown in the garbage.

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

# JBC

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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.

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