

JBC

TECHNOLOGY IN
PROFESSIONAL TOOLS
FOR ELECTRONICS



HD

HEAVY DUTY STATION

You will get the highest heat power for
the thickest and most difficult circuits

Heavy Duty Station

The HD-2B / HD-1B is the ideal solution for high thermal demand and prolonged heavy duty soldering applications.

THE PERFECT SOLUTION

This station was specifically designed for extensive soldering of multi-layered circuits and parts which require high temperatures.

The temperature of the tip is controlled by a sensor integrated in the heater, which permits quick temperature recovery.

The HD-2B / HD-1B heavy duty station offers high reliability for extensive applications as for example the production of solar panels.

The HD-2B / HD-1B heavy duty station features sleep and hibernation modes, as well as all other features of JBC stations.

PROCESS CONTROL

Set temperature limits, check usage counters, lock the station with a PIN, or program sleep and hibernation modes. Depending on your requirements you can save up to 3 different temperature settings; changing from one saved temperature setting to the next will always increase or decrease the temperature level to the next of all saved temperatures.

The stations are operational regardless if saved temperature settings are activated or not.



HD-2B / HD-1B
Control unit



T470-A
Handpiece

INTELLIGENT HEAT MANAGEMENT

The only time a soldering iron must reach its required temperature level is during a soldering operation. JBC's intelligent heat management detects how the tools are used; accordingly the integrated support function activates the sleep or hibernation mode. The intelligent heat management helps to extend tip life by lowering temperature; it also helps to save energy by reducing power usage to 10W in sleep mode and 4W in hibernation mode.

Help us to protect the environment and to save energy!



HD-SB stand

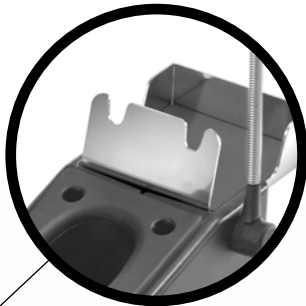
The stands are placed between the control unit and the tool for optimum performance, like temperature reduction in "sleep" mode when the tool is placed in the stand for extended tip-life and less oxidation. All stands can be connected to all Modular line stations.



Cable collector

Hood

Contains metal wool or wet sponge and minimises splashing of solder particles.



QUICK TIP CHANGER

No tools or pads are needed to change a cartridge. Simply place the tip in the extractor of the stand, remove one cartridge and insert another one. Reduce idle time while increasing operator safety.



TIP CLEANING STAND

JBC introduces different methods for cleaning tips, designed for removal of oxidation, of residues of flux etc.

With the implementation of lead-free soldering it has become necessary to use methods to clean tips other than with a simple wet sponge. The wet sponge can be replaced by dry cleaning methods like metal wool or metal brushes.

Of all cleaning methods the sponge is the softest, whereas the brush is the most aggressive. Use of either depends on how much residue needs to be removed, which in turn is a result of work temperature and type of solder used.

Brass wool

Very effective cleaning method. Leaves a small layer of solder on the tip preventing oxidation between cleaning and reflowing.



Inox wool

A more aggressive cleaning method than brass wool.

Tip wiper



Tapping and wiping: Very soft and temperature resistant receptacle allows tapping and wiping of the tip to eliminate excess solder.



Sponge

To substitute the metal wool or to help the final cleaning.



Brushes

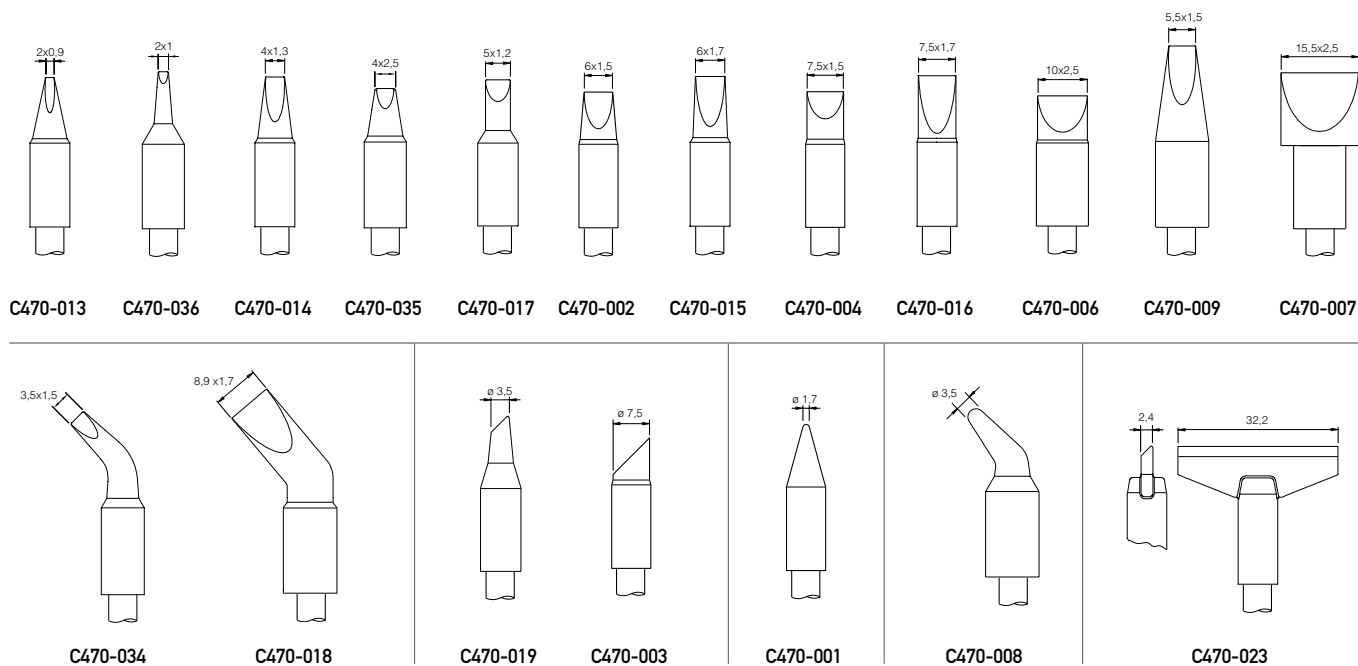
For more indepth cleaning of the tips, tweezers & desoldering irons.



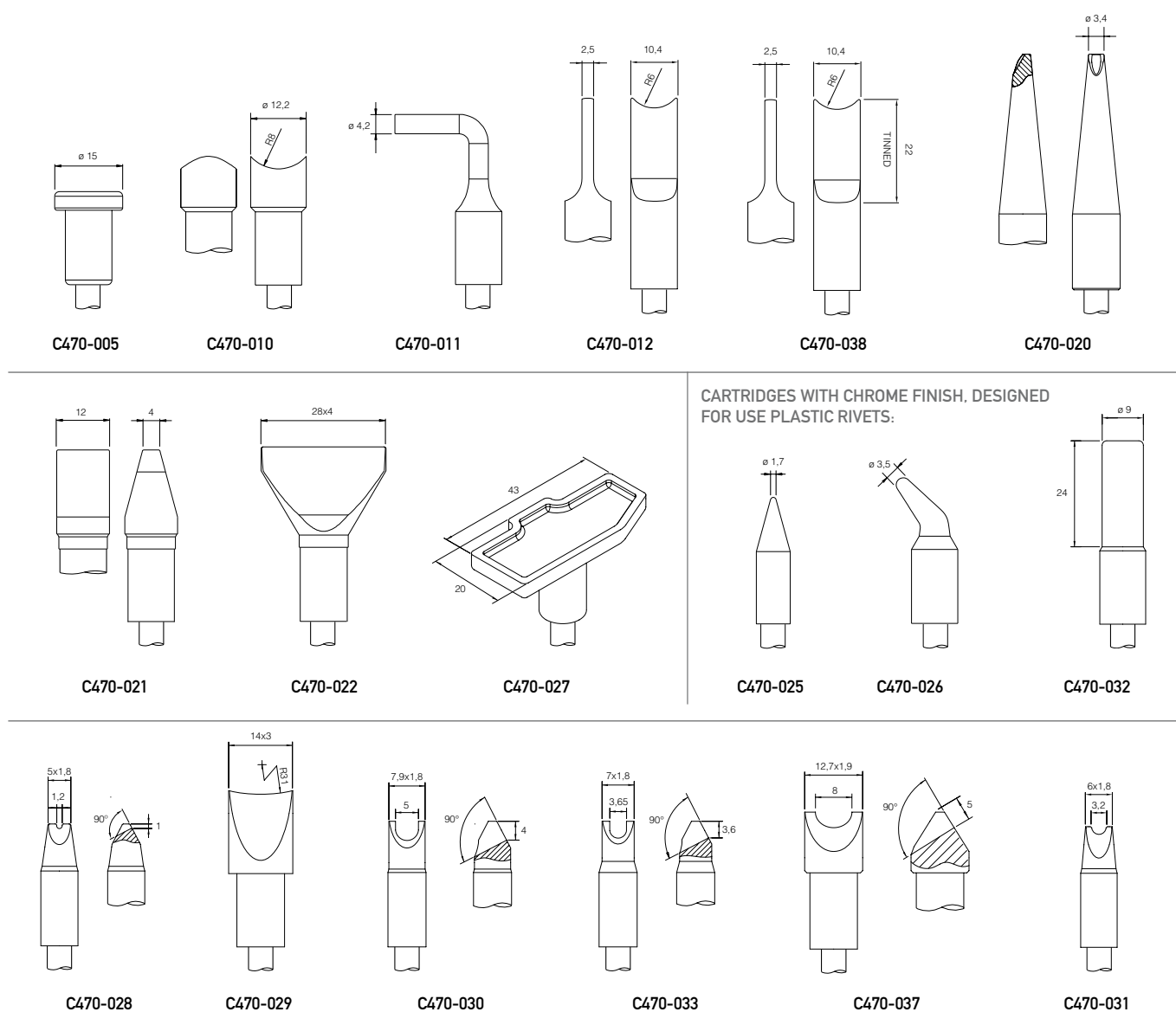
Tip tinner

Chemical system to clean and retin the tip at the same time.

C470 Cartridges for iron T470-A with HD station



C470 Special cartridges for iron T470-A with HD station



Galvanic treatment of these tips are reinforced with regards to the standard ones, providing a highest duration lasting, specially in lead free processes above all.