

# JBC

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

Station  
guide

## Excellence range



Believe in Innovation  
Enjoy the power

## A global organization at your service

JBC is a global company with a distributor network spanning 5 continents that guarantees a solid commercial organization with quick and efficient service.

## The power of experience

More than 80 years of experience have placed JBC at the technological forefront of tools for soldering and rework operations in electronics. Innovation, efficiency and reliability are the key features of a wide range of products which have been designed to satisfy the most demanding requirements of professionals.

## High technology, superior quality

Product perfection is one of the main objectives of JBC's improvement and development program. The R&D department has created the most innovative soldering technologies, which JBC is proud to present in this catalogue.



## ESD safe

All JBC products comply with CE standards and EDS recommendations.



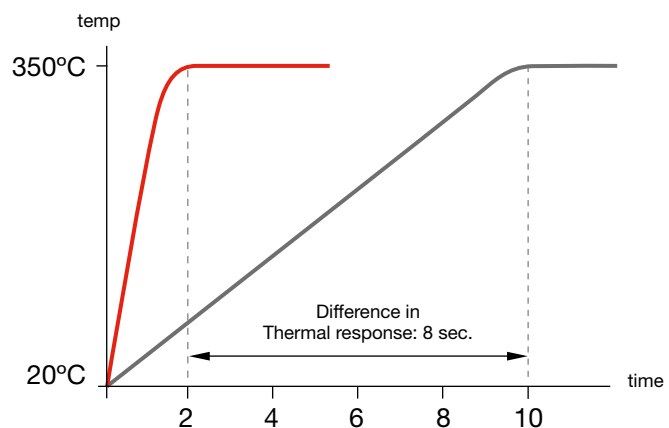
JBC Soldering SL. reserves the right to update, modify or delete any information without previous notice.

# High Technology for **quality** soldering

## The **JBC** Exclusive Heating System

JBC's stations work with the JBC Exclusive Heating System which recovers tip temperature extremely quickly. This increases work efficiency and allows the user to work with lower temperatures.

### 350°C in 2 seconds



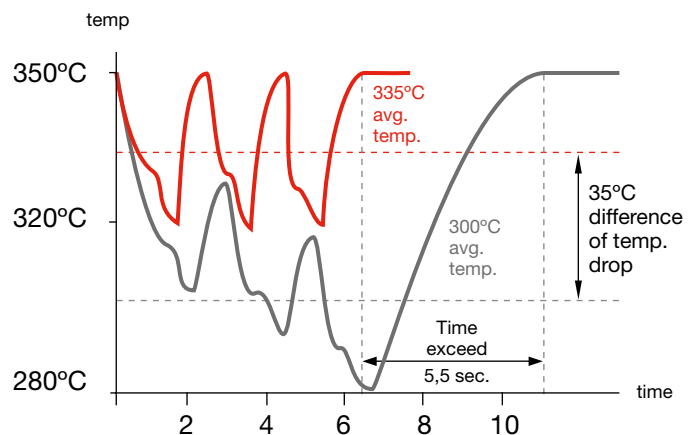
Enhanced  
Temperature Efficiency



Increase Productivity  
+ Better Quality

## Efficient Temperature Control

Comparative process of 3 solder joints



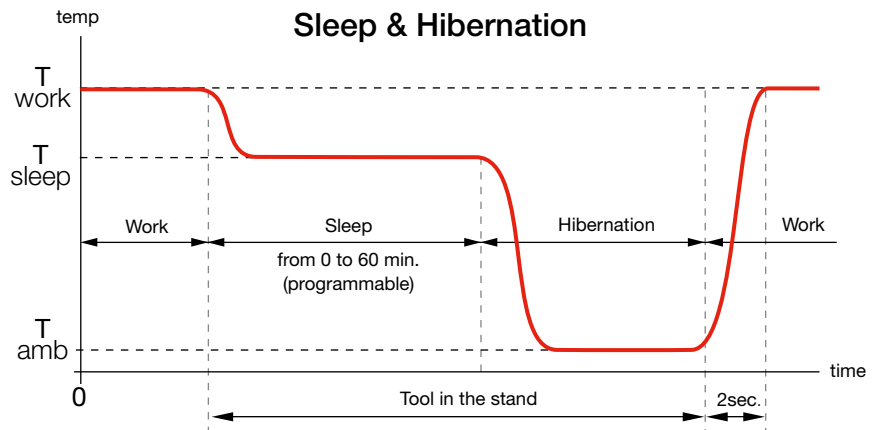
— JBC  
— Another top brand

## The **Intelligent** Heat Management

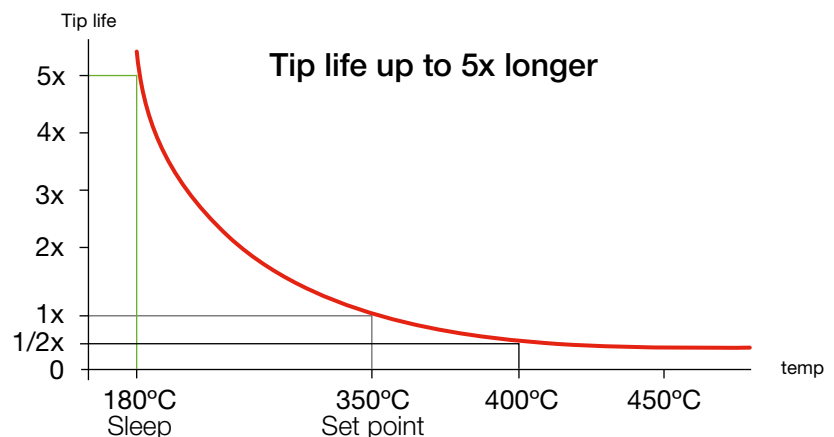
The JBC equipment also incorporates the **Sleep & Hibernation** modes to help extend tip life by further reducing the temperature when the tool is not in use. As a result, tip life increases by 5.

The **Sleep** function automatically reduces tip temperature when the tool is in the stand.

When the set time for Sleep mode is up, the station automatically goes to **Hibernation**. The power supply is cut and the tip remains at room temperature.

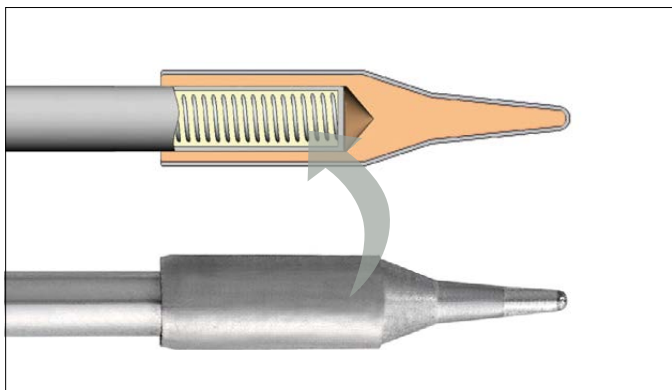


Tip life increases exponentially by using lower temperatures as shown. Using the **Sleep** mode the temperature is further reduced, which extends tip life by 5.



## Cartridges with **extended** tip life

The essential part of the soldering iron is the tip so JBC has over 400 models of cartridges of different sizes and shapes to choose from depending on each application. JBC has developed the most advanced technology based on the following principles:



### **Excellent Heat Transfer**

The compact element reduces thermal barriers.

### **Instantaneous Heating Up**

A fully integrated thermal sensor in the heater ensures quick temperature recovery.

### **Great Durability**

The intelligent algorithm control program extends tip life.

# Compact line

Everything you need in the minimum footprint

**All in One**  
Control Unit + Stand + Cleaning

Each unit meant for a  
**specific purpose**



## Suit position

JBC stations are designed to suit the user's work position. The tool stand and the cable collector are easily **adjustable**.

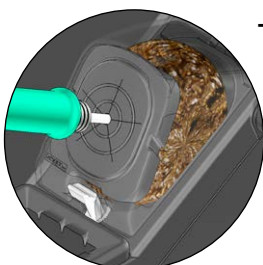
## Quick tip changer

**Save time and increase productivity** by using the quick cartridge changer. Simply insert the cartridge, remove it and introduce a new one without having to turn off the station. This allows you to work on different soldering jobs.



## Process screen

The **User Friendly Menu** allows you to personalize over **20 parameters** to help manage the soldering process. Set temperature limits, check usage counters, lock the station with a PIN or program Sleep & Hibernation features.



## Tip Cleaning System

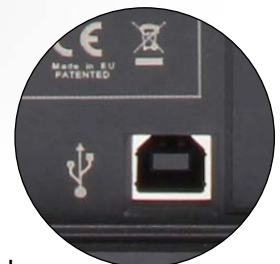
The CD stations feature a tip cleaner with a new **antisplash rubber** to prevent splashing of solder particles and maintain the work area clean. The most **complete cleaning system** allows you to choose from 3 safe methods according to your needs: metallic wool, sponge or metal brush. The integrated wiper also allows you to remove excess solder from the tip single-handedly.

## Intelligent Heat Management

The stations incorporate the **Sleep & Hibernation** features that lower tip temperature when the tool is placed on the adjustable stand. As a result, a JBC's tip life lasts up to 5 times longer than other brands.

## Communication station-PC

JBC wants to take you beyond the station by means of a **USB-B connection** to your computer. You can update station software, create graphs of the soldering process and manage or monitor parameters via your PC.



## Soldering

### CD-B

#### Soldering station

For general electronic applications.

Includes the **T245-A** General Purpose Soldering Iron.

### CD-S

#### Precision Soldering station

For precision electronic applications.

Includes the **T210-A** Precision Soldering Iron.



## Rework

### CP

#### Micro Tweezers station

For soldering and desoldering small and medium SMD components.

Includes the **PA120-A** Micro Tweezers.



### CA

#### Solder Feed station

For intensive and/or single handed soldering jobs.

Includes the **AP250-A** Solder Feed Iron.



### CV

#### Micro Desoldering station with Pneumatic pump

For desoldering jobs in precision electronic applications.

Includes the **DS360-A** Micro Desoldering Iron.



### CS

#### Micro Desoldering station with Electric pump
















































































































































































For desoldering jobs in precision electronic applications.

Includes the **DS360-A** Micro Desoldering Iron.



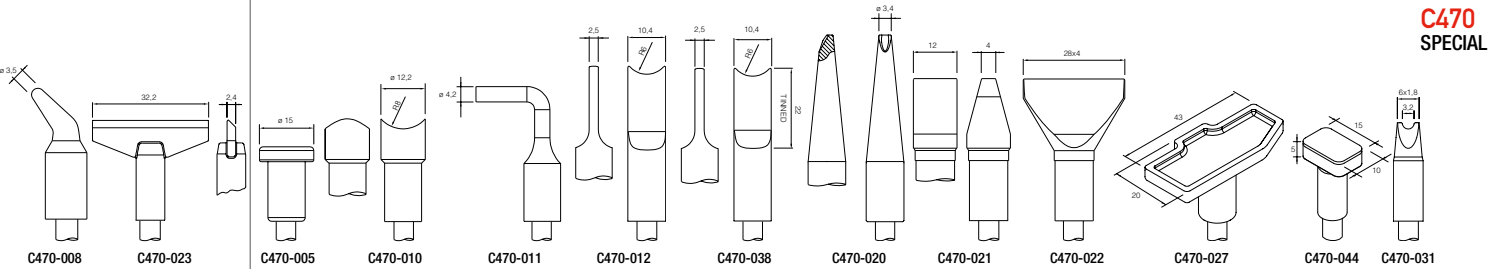
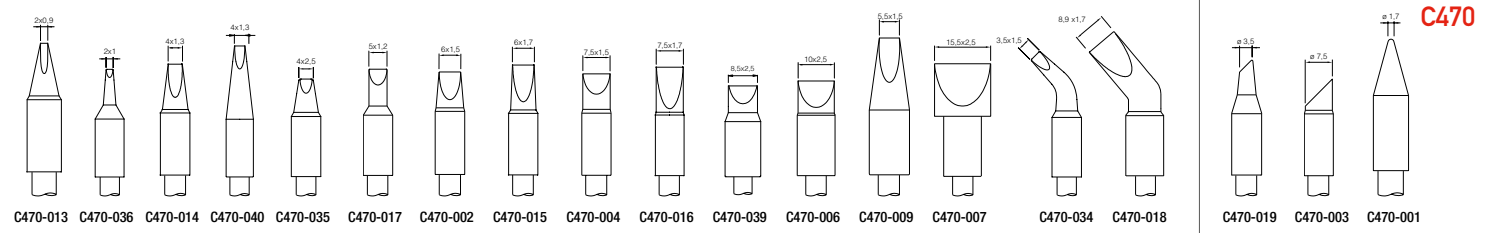
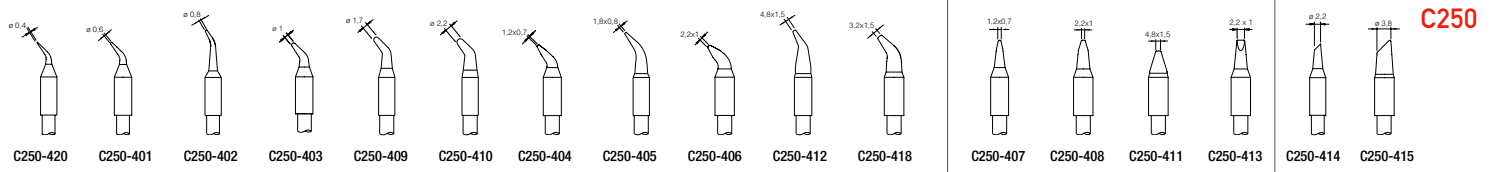
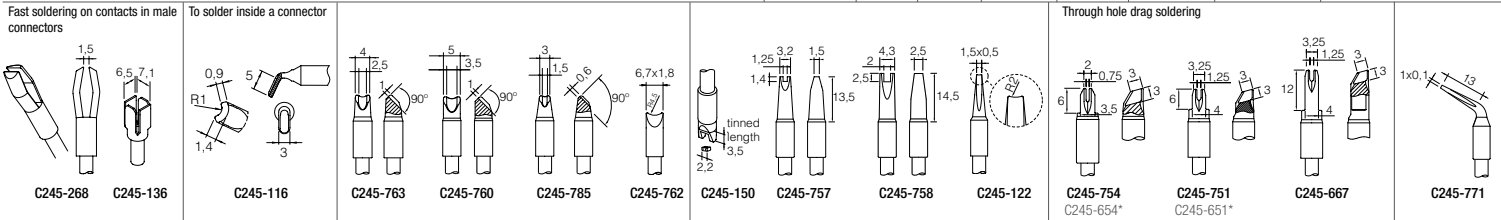
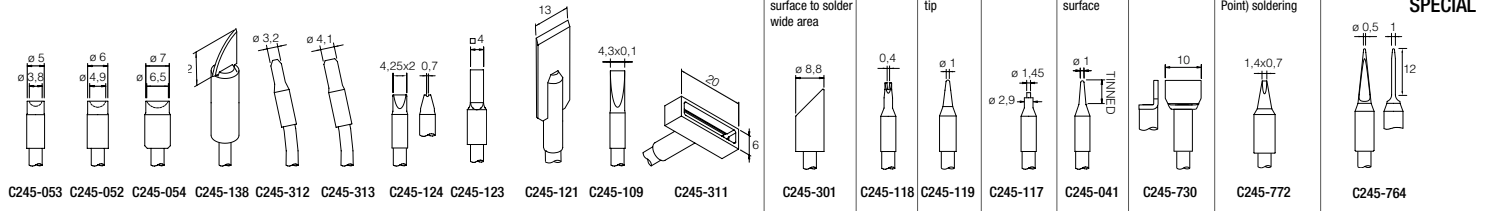
# Cartridge Map

Over 400 Cartridges & Customized models

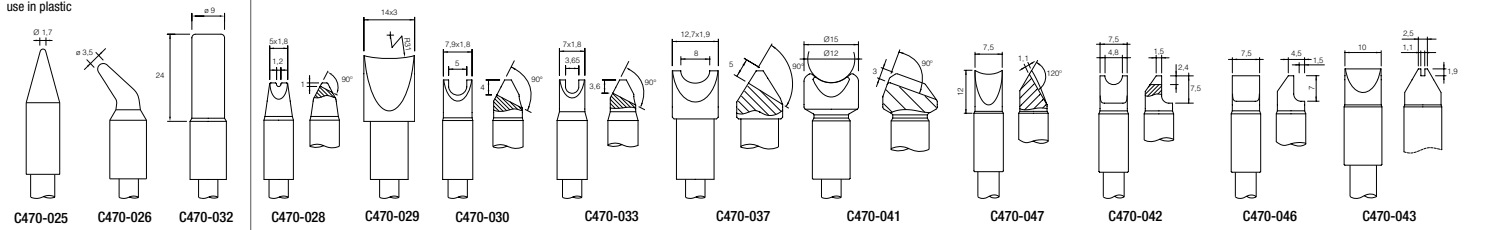
<b>C105</b>                															
          															
<b>C120</b>             															
<b>C420</b>              															
<b>C130</b>            															
<b>C210</b>                															
<b>C245</b>                															
               															
               															
               															
  															
               															
         															

See the **full range** on our website

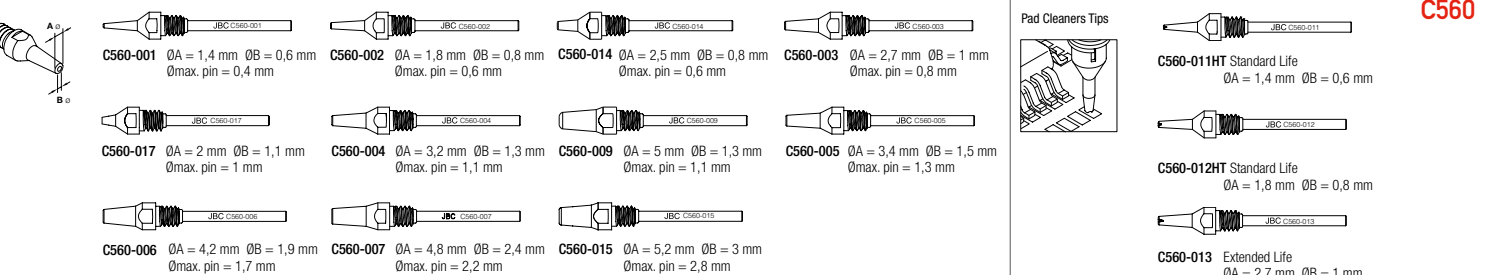
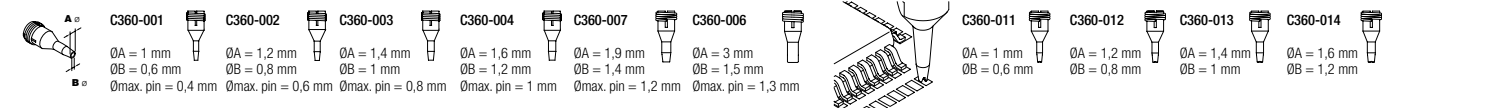
Cartridges with chrome finish, designed for use in plastics



Cartridges with chrome finish, designed for use in plastic



Pad Cleaning Tips



**C000-000** High Thermal Efficiency Cartridges: These are characterised by their optimised tip geometries which achieve improved thermal efficiencies of up to 40%.  
C000-000\* These cartridges are 20mm longer than normal cartridges for easy access to difficult-to-reach joints

# Modular line

Set up your personalized station according to your soldering or rework needs

Stackable modules  
save work space

Fully compatible tools  
with all control units

Easy-to-use menu helps  
work more efficiently



## Station customizable

Personalize the parameters according to your work.



## Partial Counters

Total and partial time register for each port: work, sleep & hibernation in hours.



## Peripherals

Join station ports to pedals and modules: desoldering pump, nitrogen flow regulator,...



## Tools Preset

The station detects the tool and applies the parameters chosen by the operator.



## Graphs

Optimize soldering quality by analyzing your work graphics in real time.



## Communication Station-PC

Update station software, manage your stations via PC or export graphics.



## Robots

Automate the soldering process and manage the station via Robot.



## B-Net Your Soldering Network

Organize and control all the production from your PC.



TFT screen  
See % power  
for each port

Quick  
temperature change

USB-A  
Software Updating &  
export graphics

Tool in use

Consult the  
comprehensive help  
for each parameter

Display different ports in use



## Control Units

**DI**

1 Tool



**DDE**

2 Tools & Capacitive Keyboard



**DME**

4 Tools & Touch Screen



**MS / MV**

Desoldering Modules



**MSE / MVE**

Desoldering Modules



## Stands

**AD-SD**



**AP-SD**



**PA-SD**



**HT-SD**



**DS-SD**



**DR-SD**



## Tools

**T210**

Precision  
Purpose  
Handles



**T245**

General  
Purpose  
Handles



**T470**

Heavy Duty  
Handles



**AP250**

Solder  
Feed Iron



**PA120**

Micro  
Tweezers



**HT420**

Thermal  
Tweezers



**DS360**

Micro  
Desoldering  
Iron



**DR560**

Desoldering  
Iron



## Cartridge range

**C210**

**C245**

**C250**

**C120**

**C420**

**C360**

**C560**

## Cleaning systems



**CL6166**

ESD Tip Cleaner



**CLMS**

Automatic  
Junior  
Tip Cleaner



**CLMB**

Automatic  
Senior  
Tip Cleaner

# Premium line

Ready-to-use with all the necessary equipment for a successful job

Exclusive solutions  
**Heavy Duty & Nano**

**The answer**  
to your rework needs

## Soldering

### DIT

#### Soldering station

For industrial soldering jobs with medium and high power requirements.

Includes the **T245-A** General Purpose Soldering Iron.

### DIR

#### Precision Soldering station

For industrial precision soldering jobs with medium power requirements.

Includes the **T210-A** Precision Soldering Iron.



### AL

#### Auto-feed Soldering station

For intensive and/or single handed soldering jobs.

Automates the soldering process by feeding solder wire. You can select the length and the feed rate of the tin wire.



## Desoldering

For desoldering small and medium-sized insertion components and for cleaning circuits with SMD components.

### DIS

#### Desoldering station with Electric pump

Includes the **DR560-A** Desoldering Iron.

### DSS

#### Micro Desoldering station with Electric pump

Includes the **DS360-A** Micro Desoldering Iron.

### DIV

#### Desoldering station with Pneumatic pump

Includes the **DR560-A** Desoldering Iron.

A compressed air source is necessary at the operator's bench.



## Rework

For soldering and desoldering all types of components quickly and safely.  
Work simultaneously with up to 2 different tools.

### DDSE

**Rework station with Electric pump**

### DDVE

**Rework station with Pneumatic pump**

A compressed air source is necessary at the operator's bench.



## Hot Air

For soldering and desoldering all types of SMD using hot air with extractors or protectors.

### JT

**Hot Air station**

Includes the JT-TA Heater Hose set.

### TE

**Precision Hot Air station**

Includes the TE-TB Precision Heater Hose set.

### JT-Q & TE-Q

**Hot Air stations without extractor desk**



Control  
Airflow &  
Temperature

Build  
your own  
profile

## The Complete Solution

### RMSE

**Complete Rework station with Electric pump**

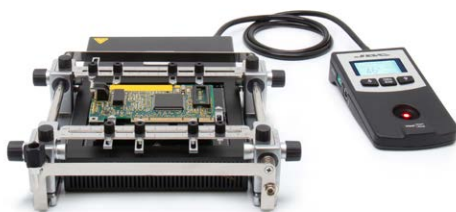
### RMVE

**Complete Rework station with Pneumatic pump**

### PHS-K

**IR Preheater Set**

For preheating multilayer PCBs by applying infrared.



## High Power

250 watt peak power

### HDE

#### Heavy Duty station

This is the ideal solution for high thermal demand or prolonged soldering applications such as the production of solar panels, multi-layered circuits and components of large dissipation surfaces.

This station works with the **T470 Heavy Duty Handles** and **C470 Cartridges**.



## Nano Technology

The finest soldering cartridge in the world; only 0.1 mm

### NASE

#### Nano Rework station

Includes the **NT105-A** Nano Purpose Soldering Iron and the **NP105-B** Steady Nano Tweezers.

### NANE

#### Nano Soldering station

Includes two **NT105-A** Nano Soldering Irons.



Total **temperature control** with our new pedal option.

Used worldwide by:

Siemens  
Apple  
Rockwell Collins  
bq

Flextronics  
Sanmina  
Huawei  
Boeing

Continental  
Visteon  
Google  
Intel

FoxConn  
Motorola  
Jabil  
Commscope

Present in the following sectors:

Automotive, Consumer electronics, Medical, Military, Aviation & many more...

