

JBC

The Soldering Co.



STATION GUIDE

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 90 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 ESD recommendations.



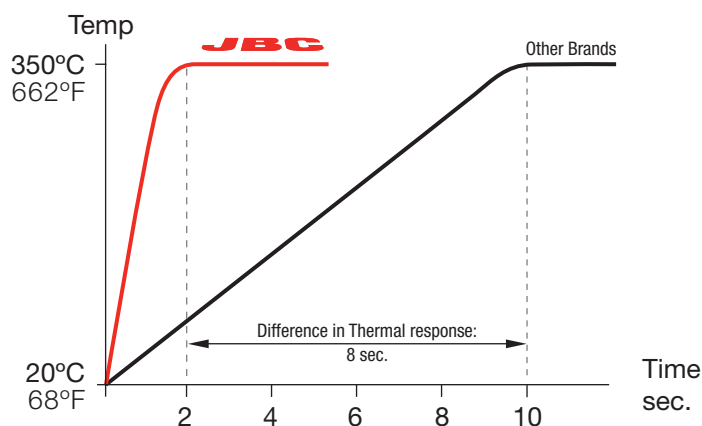
JBC Soldering SL. reserves the right to update, modify or delete any information without previous notice.

The most **efficient** soldering system

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.

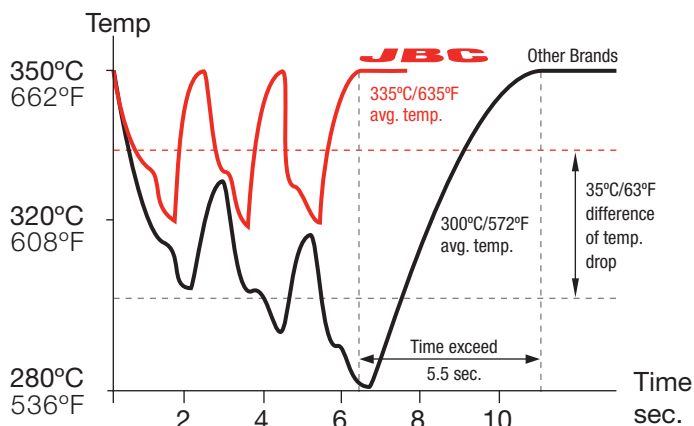
350°C/662°F in 2 seconds



Enhanced Temperature Efficiency ➔ Increased Productivity + Better Quality

Efficient Temperature Control

Comparative process of 3 solder joints



Tips with JBC technology only drop 30°C (54°F) where others drop as much as 70°C (126°F)

— JBC
— Another top brand

The **Intelligent** Heat Management

Thanks to automatic detection of the tool in the stand, JBC Soldering and Rework Stations allow the tools to enter into **Sleep & Hibernation** mode when not being used. As a result, tip life lasts up to 5 times longer.

Sleep Mode

Sleep Mode automatically lowers tip temperature below solder melting point when the tool rests in the stand.

It prevents the dissolution of the tip's iron coating into molten solder.

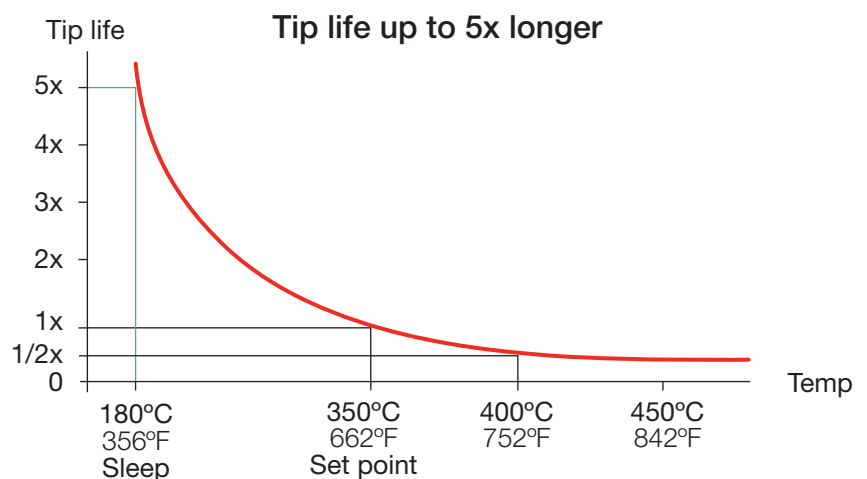
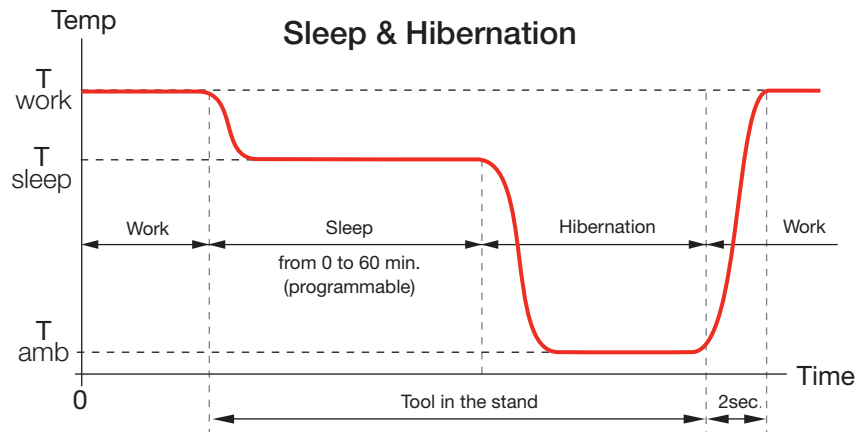
Hibernation Mode

After a configurable period of tool inactivity in the stand (10 min factory default), the tool enters into **Hibernation mode**.

It cuts off the power supply making the tip reach room temperature thus preventing oxidation and saving energy.

Longer Tip life

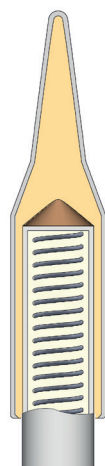
Tip life increases exponentially by using lower temperatures as shown. Using the Sleep Mode, the temperature is further reduced, which extends tip life by 5.



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 minimum footprint

All in One
Control Unit + Stand + Cleaning

Each unit meant for a
specific purpose

Quick tip changer
Save time and increase productivity by using the quick cartridge changer. The quick tip changer facilitates fast and safe use of different cartridge geometries.

Cartridge Holder
Allow to stored up to 4 cartridges.

Process screen
Fast and easy configuration of the station thanks to the 7-key keypad. 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.

Suit position

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

Intelligent Heat Management

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

Communication station-PC

The incorporation of a **USB Connector** on all stations and control units allows you to manage your job remotely from a PC. The most innovative technology to take your work beyond the station. Now with the new accessible and replaceable Earth Fuse

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.



Soldering

CD-S

Precision Station with **T210** Handle

This station is ideal when working on populated PCBs or under a magnifying glass.



CD-B

General Purposes Station with **T245** Handle

This station is suitable for both SMD or THT components.



CA

Solder Feed Station with **AP250** Solder Feed Iron

The perfect station for applications requiring a free hand to solder wire, connectors, transformers or THT components.



Rework

CP

Micro Tweezers Station with **AM120** Adjustable Micro Tweezers

The best solution for soldering and rework of SMD components such as chips, small/medium SOP components and dual line components.



CS

Desoldering Station with Electric Pump and **DS360** Iron


The perfect station for precision desoldering jobs of THT components and SMD pad cleaning.




Cartridge Map

Over 400 Cartridges & Customized models


C115




C115-126




C115-101




C115-103




C115-106




C115-107




C115-124




C115-118




C115-105




C115-110




C115-116




C115-117




C115-108




C115-125




C115-113




C115-114




C115-115




C115-111




C115-112




C115-120



C115-109




C115-127




C115-128


High Thermal Performance




C115-213




C115-221




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
C115-214



C115-223




C115-211




C115-212


Dual in Line




C120-001




C120-003




C120-005




C120-007



C120-008




C120-009




C120-010

C120


Chips Components




C120-002




C120-002




C120-006




C120-004




C120-012




C120-011




C120-001




C120-003




C120-005




C120-007



C120-008




C120-009




C120-010

C420

Chips Components




C420-271 A = 1,5 mm




C420-272 A = 2,6 mm

Blade type




C420-283 A = 50 mm

QFP & PLCC




C420-280 A = 11,0 mm




C420-279 A = 8,0 mm


Dual in Line




C420-285 A = 22,0 mm




C420-278 A = 20,0 mm




C420-277 A = 15,0 mm




C420-276 A = 10,0 mm



C420-275 A = 8,0 mm




C420-274 A = 6,0 mm




C420-273 A = 4,0 mm

CUSTOMIZED




C420-286




C420-287


C210




C210-020




C210-009




C210-016




C210-001




C210-013




C210-003




C210-005




C210-002




C210-010




C210-014




C210-004




C210-006




C210-027



C210-031




C210-028




C210-029


C210-030




C210-019




C210-023




C210-021




C210-024




C210-022




C210-008



C210-007




C210-018




C210-012

To solder inside a connector




C210-025




C210-015

To solder through hole components on multilayer PCBs




C210-017


C245




C245-731




C245-773




C245-742




C245-774




C245-906




C245-406




C245-768




C245-944




C245-907




C245-407




C245-759




C245-770




C245-741



C245-729



C245-061



C245-911

C245-775

C245-755


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C245-908


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C245-069


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
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C245-773




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
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
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
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
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C245-944




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
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
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
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C245-741



C245-729



C245-061



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C245-069


C245-966




C245-030




C245-032




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C245-930




C245-001




C245-937




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C245-403




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
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C245-107




C245-747



C245-710



C245-905



C245-405

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
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
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
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C245-032




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
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
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
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
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
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
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
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
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C245-951


C245-766




C245-748




C245-749




C245-962




C245-963




C245-946




C245-732




C245-761




C245-034




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C245-929




C245-935



C245-904



C245-259



C245-260

C245-627


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
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
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C245-962




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
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
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C245-761




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
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
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
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
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C245-935



C245-904



C245-259



C245-260

C245-627

C245-628


C245-067

C245-938


C245-931

C245-965

Cartridges to solder SMT IC



C245-009



C245-010

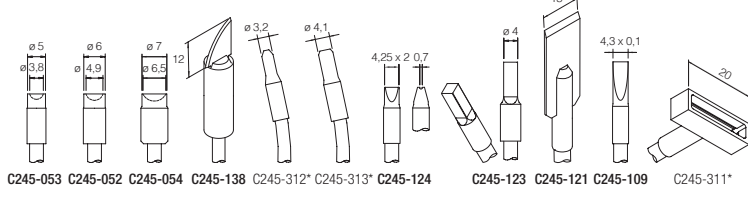
Hoof tip with reduced tinned surface, ideal for touch-up

See the **full range** on our website

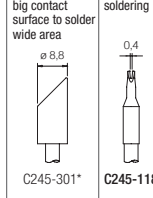


**C245
SPECIAL**

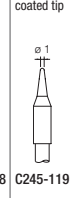
Cartridges with chrome finish, designed for use in plastics



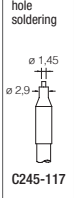
Cartridges with big contact surface to solder wide area



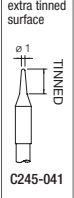
Cable soldering



PTFE coated tip



Through hole soldering



Tip with an extra tinned surface



Rework blade



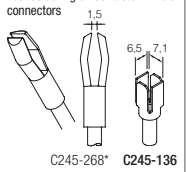
Pure nickel tip for HMP (High Melting Point) soldering



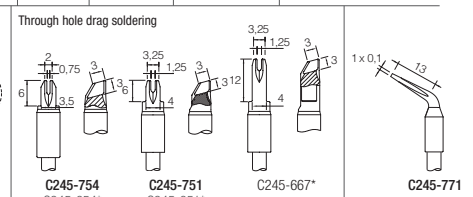
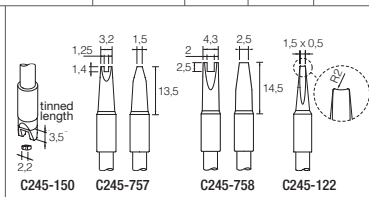
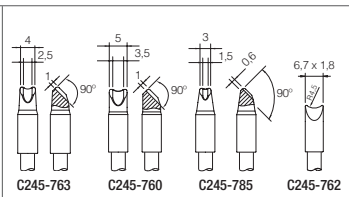
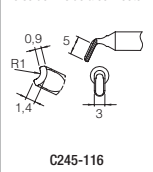
Ideal to reach joints



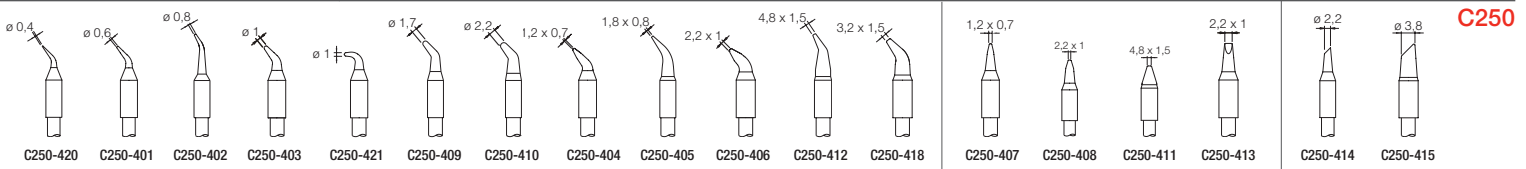
Fast soldering on contacts in male connectors



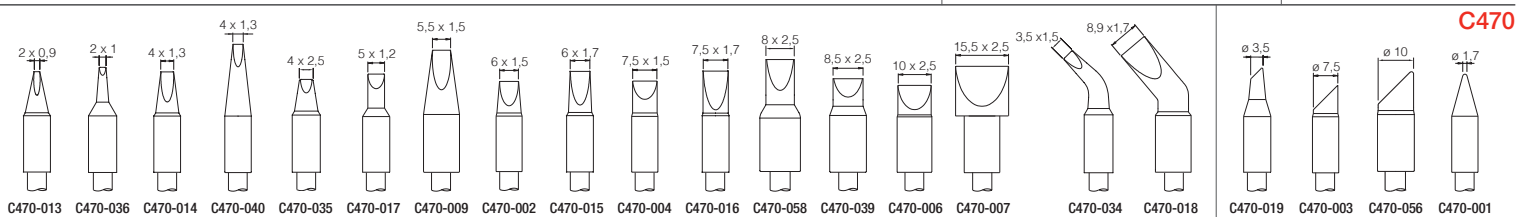
To solder inside a connector



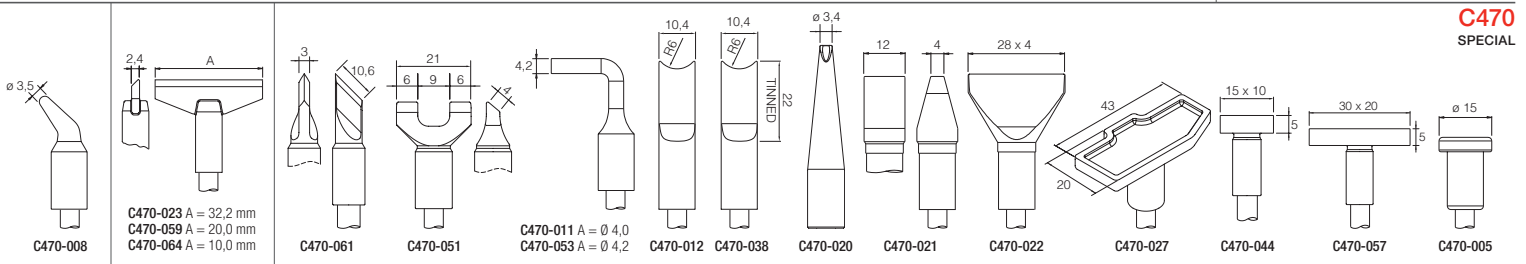
C250



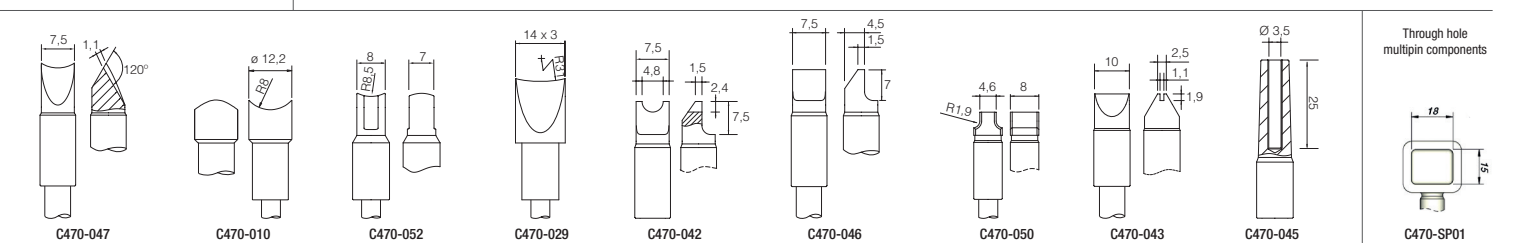
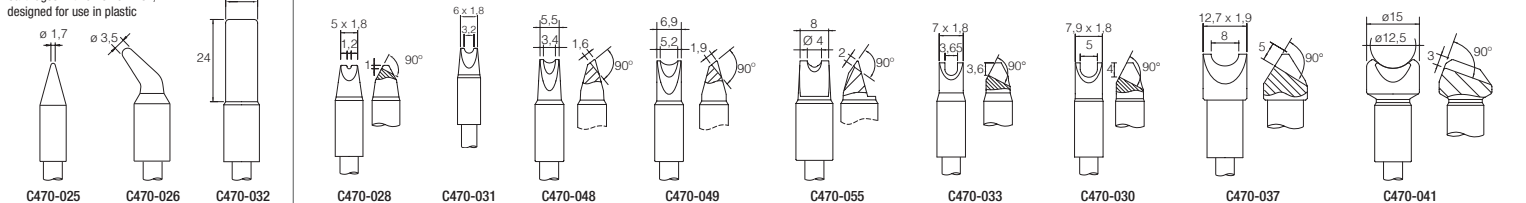
C470



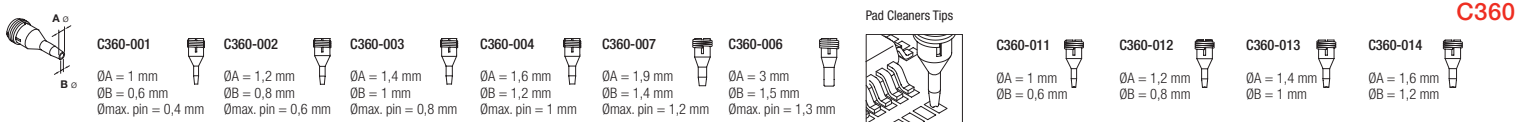
**C470
SPECIAL**



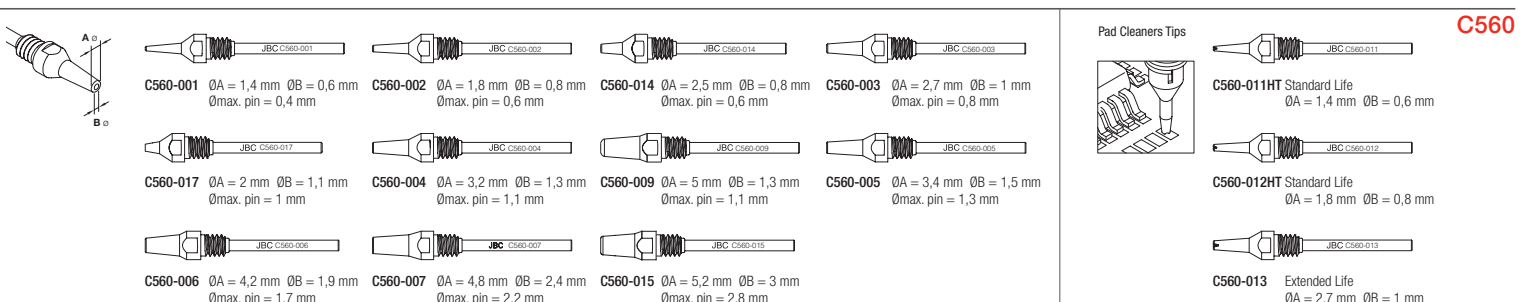
Cartridges with chrome finish, designed for use in plastic



C360



C560



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.



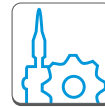
Partial Counters

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

Real time visualization of tip temperature and power delivered to the solder joint during soldering process.



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.



JBC Net Your Soldering Network

Manage your whole soldering process remotely and in real time.



TFT screen

See % power
for each port

USB-A

Software Updating &
export graphics

Tool in use

Consult the
comprehensive **help**
for each parameter

Display different **ports** in use

Modular line



Cleaning systems



CLMU
Senior Tip Cleaner

CLMU Tip Cleaner cleans the tip in less than 1 second providing a thorough and gentle tip cleaning. It features two working modes: Sensor and Continuous, and it is designed to keep the work area free of Foreign Object Debris (FOD)



CLMS
Junior Tip Cleaner

This automatic cleaner improves thermal transfer of the tip in less than 1 second, which means you save time and optimize production.



CL8499
Manual Tip Cleaner

A complete cleaning system with splashguard and antisplash membrane to keep the work area clean and free of solder particles.

Premium line

Premium Stations range includes different solutions from **Nano Stations**, for soldering and rework of SMD components requiring the highest precision, to **Heavy Duty Stations** for soldering applications requiring high amount of power, as well as **Auto Feeders**, **Hot Air Stations** and **Preheaters**.

Nano Stations

NANE Soldering Station

The best solution for soldering and rework of SMT components requiring the highest precision. Includes two **NT115** Nano Handles.



NASE Rework Station

The best solution for soldering and rework of SMT components requiring the highest precision. Includes the **NT115-A** Nano Handle and the **AN115-A** Adjustable Nano Tweezers.



Heavy Duty Stations

HDE Heavy Duty Station

The most powerful soldering unit of the JBCrange. Includes the **T470-FA** Handle.



HDE-K HDE Tweezer Station

Designed to reduce the soldering time in applications that requires a large amount of heat. Included two **HDE-U** Control Units, the HD Tweezers **HT470-A** and the stand **HDT-SE**.



Auto Feeders

AL Auto-Feed Soldering Station

The ideal solution for soldering process requiring a free hand. The station feeds precisely the programmed amounts of wire by pressing a button, making the AL station perfect for repetitive soldering jobs. Includes **AL250-A** Tool.



SF Automatic Solder Feeder

Allowed to feed solder wire automatically from any positions. 3 working modes: Continuous, discontinuous and program mode. Includes the ergonomic **SF280-A** Solder Feed Handle and the Ø 1 mm GSF10V Guide Set.



Rework

Stations based on the **JBC Modular System** of two tools and four tools specifically designed for different soldering and rework processes.

DDSE

2 Tools DDE Station with Electric Pump

The DDSE station is a complete solution to rework circuits with **T245** General Purpose Handle and **DR560** Desoldering Iron.

The DDE Control Unit manages up to **2 tools** simultaneously and is fully compatible with 10 different JBC tools.



DDPE

2 Tools DDE Precision Station

DDPE Precision Rework Station is a perfect solution for fast and precise SMD rework of chip components and small outline ICs.

This rework station comes with the **T210** Precision Purpose Handle and the **AM120** Adjustable Micro Tweezers.

The DDE Control Unit manages up to **2 tools** simultaneously and is fully compatible with 10 different JBC tools.



DMSE

2 Tools DME Station with Electric Pump

The DMSE station is a complete solution to rework circuits with the **T245** General Purpose Handle and the **DR560** Desoldering Iron.

The DME Control Unit manages up to **4 tools** simultaneously and is fully compatible with 10 different JBC tools.



DMPSE

4 Tools DME Station with Electric Pump

The DMPSE station is a complete solution to rework circuits with the **T245** General Purpose Handle, **DR560** Desoldering Iron, **T210** Precision Purpose Handle and **AM120** Adjustable Micro Tweezers

The DME manages up to **4 tools** simultaneously and is fully compatible with 10 different JBC tools.



Complete Rework Station

RMSE

Complete Rework Station with Electric Pump

The quickest and safest solution to solder and rework all kinds of SMDs. It consists of stackable modules and all the necessary tools and accessories to make soldering job easier, including the **DR560** Desoldering Iron, the **T245** General Purpose Handle and the **JT-TA** Heater Hose Set.

The DDE manages up to **2 tools** simultaneously and is fully compatible with 10 different JBC tools.



Preheaters

Complete system is for preheating multi-layer PCBs and ideal for repetitive soldering jobs.

The Preheater is used as a secondary heat source to reduce the amount of heat supplied by the main soldering tool, reducing thermal shock of components and PCBs.

PHNE-K Preheater for small PCBs

PHSE-K Preheater for small/medium PCBs

PHBE-K Preheater for medium/large PCBs

PHXLE-K Preheater for big sizes PCBs



Hot Air Stations

JNASE

Hot Air Nano Station

A nano Hot Air Station capable of reworking ultra-miniature SMDs under a microscope. Includes the **NH-A** Tool.



TESE

Hot Air Precision Station

A precise Hot Air Station is capable of reworking small and medium SMDs. Included **TE-TB** Tool.



JTSE

Hot Air Standard Station

A high powered hot air station capable of reworking all types of SMDs. Included the **JT-TA** Tool.

Wire Stripper Station

WS

High Temperature Wire Stripper Station

The WS is specially designed for stripping high-temperature wire insulations til 800 °C / 1470 °F made of thermostable materials such as teflon*, kapton*, silicone rubber, etc, from 36 to 18 AWG (0,127 to 1,020 mm). This station comes with the comfortable **WS440** Tweezers and it is compatible with **W440** blade cartridges.



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