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.
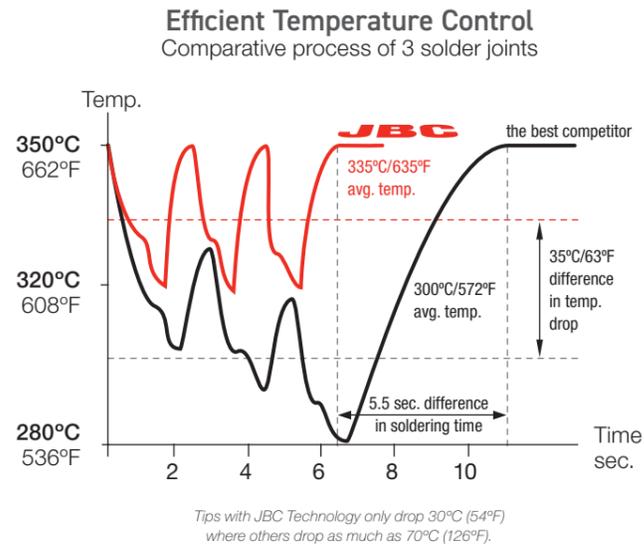
CE
ESD safe

All JBC products comply with CE standards and ESD recommendations.

BORN FOR
LEAD FREE
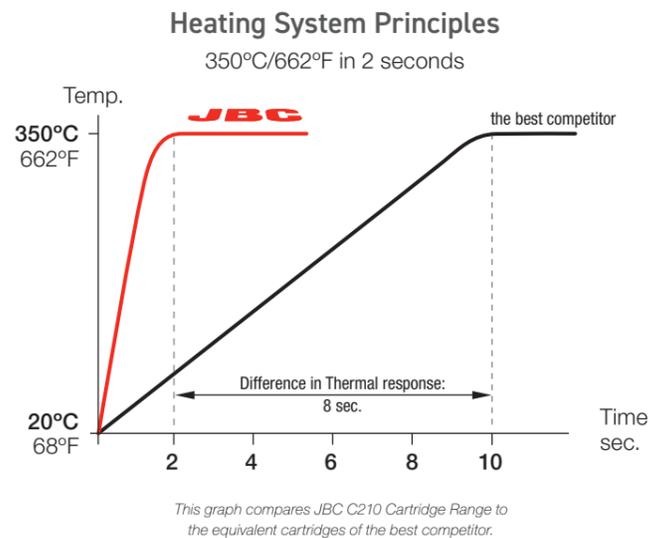
JBC Technology

Most Efficient Soldering System

JBC Stations work with JBC Most Efficient Soldering System, which **recovers tip temperature extremely quickly**. This increases work efficiency and allows the user to work with lower temperatures.

Efficient Temperature Control
Comparative process of 3 solder joints

Temp.

350°C 662°F
JBC
335°C/635°F avg. temp.
the best competitor

320°C 608°F
35°C/63°F difference in temp. drop
300°C/572°F avg. temp.

280°C 536°F
5.5 sec. difference in soldering time

Time sec.
2 4 6 8 10

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

Enhanced Temperature Efficiency ► Increased Productivity + Better Quality

Productivity

Short tip-to-sensor distance ensures extremely quick temperature recovery and an **accurate control**.

Heating System Principles
350°C/662°F in 2 seconds

Temp.

350°C 662°F
JBC
the best competitor

20°C 68°F
Difference in Thermal response: 8 sec.

Time sec.
2 4 6 8 10

This graph compares JBC C210 Cartridge Range to the equivalent cartridges of the best competitor.

Intelligent Heat Management

Thanks to automatic detection of the tool in the stand, JBC Soldering & Rework Stations allow the tools to enter **Sleep & Hibernation Modes** when not being used. As a result, tip life lasts up to 5 times longer.
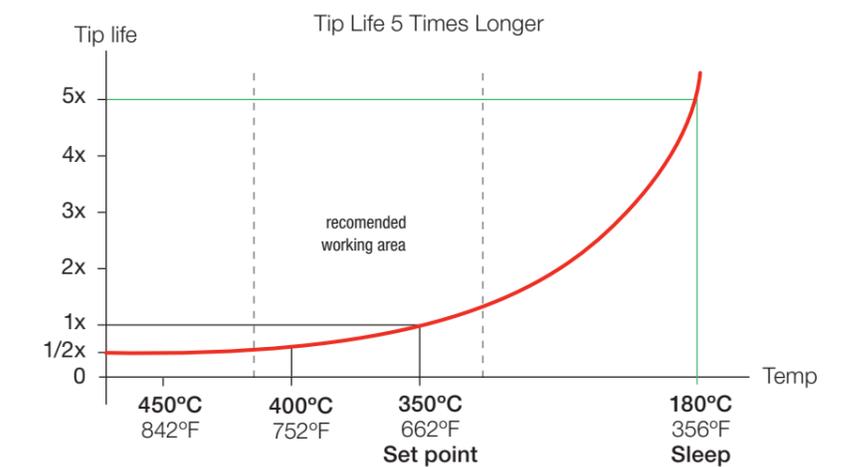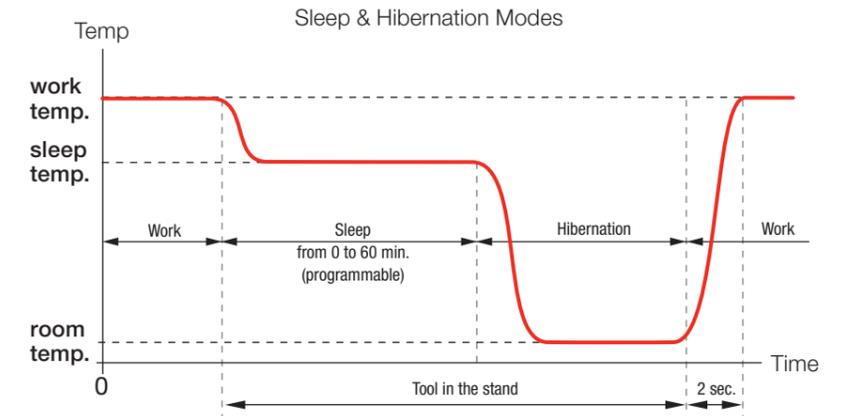
Sleep Mode
Sleep Mode **automatically lowers tip temperature** below the solder melting point when the tool rests in the stand. It prevents the dissolution of the iron tip coating into molten solder.

Hibernation Mode
After a configurable period of tool inactivity in the stand, the tool enters Hibernation Mode.
It **cuts off the power supply** making the tip reach room temperature, thus **preventing oxidation and saving energy**.

Sleep & Hibernation Modes

Temp
work temp.
sleep temp.
room temp.
Work | Sleep from 0 to 60 min. (programmable) | Hibernation | Work
0
Tool in the stand
2 sec.
Time

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

Tip Life 5 Times Longer

Tip life
5x
4x
3x
2x
1x
1/2x
0
recomended working area

450°C 842°F | 400°C 752°F | 350°C 662°F **Set point** | 180°C 356°F **Sleep**
Temp

Cartridges with long life & extended tip life

The essential part of the soldering iron is the tip. Therefore, JBC has **over 500 cartridge models of different shapes and sizes** to choose from, depending on each application.
JBC has developed the most advanced technology based on the following principles:
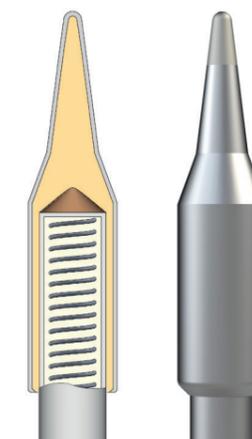
► **Excellent Heat Transfer**
The compact element reduces thermal barriers.

► **Instantaneous Heating**
A fully-integrated thermal sensor in the heater ensures quick temperature recovery.

► **Great Durability**
The intelligent algorithm control program extends tip life.

Compact Stations

Everything you need in minimum footprint.

JBC
The Soldering Co.

All in One
Control Unit + Stand + Cleaning

Each unit meant for a specific purpose

Work position
JBC Stations are designed to suit the user's work position.
Tool Holder and **Cable Collector** are easily **adjustable.**

Intelligent Heat Managament
The stations incorporate **Sleep & Hibernation Modes,** which lower tip temperature when the tool is placed in the tool holder. As a result, **JBC tips last up to 5 times longer than tips of other brands**.

Quick Cartridge Exchanger and Holder
Save time and **increase productivity** by using **Quick Cartridge Exchanger**, which facilitates fast and safe use of different cartridge geometries. **Cartridge Holder** allows storing up to four cartridges.

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.

Intuitive menu and interface
Fast and easy station configuration. **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 Modes.

Tip Cleaning System
Compact Stations feature a tip cleaner with **antisplash membrane** to prevent splashing of solder particles and maintain the work area clean. The **most complete Tip Cleaning System** allows you to choose from three safe methods according to your needs: **metallic wool**, **sponge** or **metal brush**.

Soldering

CDS
Precision Soldering Station
This station is **ideal when working on populated PCBs** or under a magnifying glass. It includes T210 Precision Handle.

CDB
Soldering Station
This station is **suitable for general electronics applications**. It includes T245 General Purpose Handle.

CA
Manual-Feed Soldering Station
Designed for those applications **requiring a free hand**. Ideal for soldering cables, connectors, etc. It includes AP250 Manual-Feed Soldering Iron.

Rework

CP
Precision Rework Station
Ideal for soldering and **reworking SMT chip components**, small/medium SOP and dual line components. It includes AM120 Adjustable Micro Tweezers.

CS
Desoldering Station
Ideal for **desoldering small THT components and SMD pad cleaning**. It includes DS360 Micro Desoldering Iron.

Soldering Assistant

CDEB
Soldering-Assistant Station
Improve your soldering quality while improving your skills.

For more information consult CDE brochure or www.jbctools.com

Cartridge Map

Over **500** Cartridges & **Customized** models

See the **full range** on our website

JBC The Soldering Co.

C115

Ø 0.1 (Ø 0.004)	Ø 0.1 (Ø 0.004)	Ø 0.3 (Ø 0.012)	Ø 0.5 (Ø 0.020)	Ø 0.8 (Ø 0.031)	Ø 0.1 (Ø 0.004)	Ø 0.1 (Ø 0.004)	Ø 0.3 (Ø 0.012)	Ø 0.5 (Ø 0.020)	0.2 x 0.1 (0.008 x 0.004)	0.4 x 0.2 (0.016 x 0.008)	0.6 x 0.3 (0.024 x 0.012)	1 x 0.2 (0.039 x 0.008)	1 x 0.3 (0.039 x 0.012)	1.8 x 0.5 (0.071 x 0.020)
C115126	C115101	C115103	C115106	C115107	C115124	C115118	C115105	C115110	C115116	C115117	C115108	C115125	C115113	C115114

Stainless steel tip

1 (0.039)	0.7 (0.028)	3.5 (0.138)	Ø 0.3 (0.012)	2.5 (0.098)	1 (0.039)	Ø 0.6 (Ø 0.024)	Ø 1 (Ø 0.039)	Spoon Ø 1 (0.039)
C115115	C115111	C115112	C115120	C115109	C115127			C115128

High-Thermal Performance

Ø 2.5 (Ø 0.098)
C115213 A = 1 x 0.3 (0.039 x 0.012)
C115214 A = 1.8 x 0.5 (0.071 x 0.020)
C115221 A = 1.3 x 0.3 (0.051 x 0.012)
C115222 A = 1.6 x 0.3 (0.063 x 0.012)
C115223 A = 2.4 x 0.6 (0.094 x 0.024)

0.7 (0.028)	3.5 (0.138)	Ø 2.5 (Ø 0.098)	0.3 (0.012)	2.5 (0.098)	Ø 2.5 (Ø 0.098)
C115211			C115212		

C245

0.6 x 0.3 (0.024 x 0.011)	0.8 x 0.3 (0.031 x 0.011)	0.8 x 0.6 (0.032 x 0.024)	1.2 x 0.3 (0.047 x 0.012)	1.2 x 0.7 (0.047 x 0.028)	1.2 x 0.7 (0.047 x 0.028)	1.5 x 0.3 (0.059 x 0.012)	1.8 x 0.8 (0.070 x 0.031)	2.2 x 1 (0.087 x 0.039)	2.2 x 1 (0.087 x 0.039)	2.4 x 0.5 (0.094 x 0.019)	2.4 x 0.3 (0.094 x 0.012)	2.4 x 0.6 (0.095 x 0.024)	2.7 x 1 (0.106 x 0.039)	3 x 1 (0.118 x 0.039)	3.2 x 1.2 (0.126 x 0.047)
C245731	C245773 C245673*	C245742	C245774	C245906 C245806*	C245406	C245768	C245944 C245844*	C245907 C245807*	C245407	C245759	C245770	C245741	C245729	C245061 C245261*	C245911 C245811*

3.2 x 1.2 (0.126 x 0.047)	4 x 0.8 (0.157 x 0.031)	4.8 x 1 (0.189 x 0.039)	4.8 x 1.5 (0.189 x 0.059)	4.8 x 1.5 (0.189 x 0.059)	5 x 1 (0.197 x 0.039)	5 x 1.7 (0.197 x 0.067)	6.6 x 1.8 (0.259 x 0.071)	Ø 0.3 (0.012)	Ø 0.4 (0.016)	Ø 0.5 (0.020)	Ø 0.5 (0.020)	Ø 0.6 (0.024)	Ø 0.6 (0.024)	Ø 0.8 (0.031)	Ø 1 (0.039)	Ø 1 (0.039)	Ø 1.7 (0.070)	Ø 2.2 (0.090)	Ø 3 (0.118)
C245775	C245755	C245756	C245908 C245808*	C245708	C245967	C245069	C245966 C245866*	C245030 C245230*	C245032	C245036	C245930	C245001 C245201*	C245937	C245957	C245903 C245803*	C245403	C245943	C245933	C245107

Ø 0.6 (Ø 0.024)	Ø 1.2 (Ø 0.047)	Ø 1.5 (Ø 0.059)	Ø 1.5 (Ø 0.059)	Ø 2.2 (Ø 0.087)	Ø 2.6 (Ø 0.110)	Ø 2.8 (Ø 0.110)	Ø 2.8 (Ø 0.110)	Ø 3 (Ø 0.118)	Ø 3.5 (Ø 0.138)	Ø 3.8 (Ø 0.149)	Ø 5 (Ø 0.197)	Ø 8.8 (Ø 0.346)	Hoof tip with reduced tinned surface, ideal for touchup	Ø 0.6 (Ø 0.024)	Ø 0.6 (Ø 0.024)	1.2 x 0.7 (0.047 x 0.027)	1.8 x 0.8 (0.071 x 0.031)	2.2 x 1 (0.087 x 0.039)
C245747	C245710	C245905	C245405	C245945 C245845*	C245795	C245784	C245793	C245912 C245812*	C245056 C245256*	C245951	C245766	C245301*		C245748	C245749	C245962 C245862*	C245963 C245863*	C245946 C245846*

Tinned
C245064 A = Ø 1.3 (0.051)
C245102 A = Ø 2 (Ø 0.079)
C245797 A = Ø 3.8 (Ø 0.149)

3.2 x 1.5 (0.126 x 0.059)	3 x 1 (0.118 x 0.039)	Ø 0.4 (Ø 0.016)	Ø 0.4 (Ø 0.016)	Ø 0.4 (Ø 0.016)	Ø 0.6 (Ø 0.024)	Ø 0.8 (Ø 0.031)	Ø 1 (Ø 0.039)	Ø 1.5 (Ø 0.059)	Ø 2 (Ø 0.079)	Ø 3 (Ø 0.118)	Ø 4 (Ø 0.157)	Spoon Ø 2.3 (Ø 0.091)	Chip Components
C245732	C245761	C245034 C245234*	C245029	C245126	C245786	C245929	C245935	C245904 C245804*	C245259	C245260	C245627	C245067	

C245016 A = 2 (0.079) B = 1.6 (0.063)
C245017 A = 2.2 (0.086) B = 3 (0.118)
C245150 A = 2.3 (0.091) B = 3 (0.118)
C245018 A = 3.5 (0.138) B = 2.2 (0.087)
C245019 A = 4.6 (0.181) B = 2.5 (0.098)

C245965 A = 1.9 (0.075)
C245931 A = 2.7 (0.106)
C245938 A = 3.8 (0.149)
C245628

Knife
C245789 A = 0.3 (0.012) B = 3.8 (0.150)
C245939 A = 0.4 (0.016) B = 6 (0.236)
C245765 A = 0.4 (0.016) B = 6 (0.236)
C245955 A = 0.5 (0.020) B = 13 (0.512)

Dual in Line
C245303* A = 6.5 (0.256) B = 6 (0.236)
C245222* A = 7.1 (0.279) B = 13 (0.512)
C245306* A = 9.6 (0.378) B = 10 (0.394)
C245220* A = 5.4 (0.213) B = 6 (0.236)
C245304* A = 9.6 (0.378) B = 12 (0.472)
C245250* A = 5.4 (0.213) B = 8 (0.315)
C245215* A = 9.6 (0.378) B = 15 (0.591)
C245221* A = 5.4 (0.213) B = 10 (0.394)
C245226* A = 15.2 (0.598) B = 29 (1.142)

QFP & PLCC
C245223* A = 8.5 (0.335) B = 8.5 (0.335)
C245227* A = 12 (0.472) B = 12 (0.472)
C245224* A = 12 (0.472) B = 12 (0.472)

Blade
C245351* A = 12.3 (0.484) B = 12.3 (0.484)
C245228* A = 12.4 (0.488) B = 15 (0.591)
C245315* A = 15 (0.591) B = 15 (0.591)
C245352* A = 15.4 (0.606) B = 15.4 (0.606)
C245215* A = 17.5 (0.689) B = 17.5 (0.689)
C245344* A = 26 (1.024) B = 26 (1.024)

C245914 A = 10 (0.394)
C245752 A = 15 (0.591)
C245913 A = 21 (0.827)
C245949 A = 32 (1.260)
C245776 A = 37 (1.457)
C245792 A = 40 (1.575)

Cartridges with chrome finish, designed for use in plastics

9.9 (0.389)	Ø 4 (0.157)	13 (0.512)	4.3 x 0.1 (0.169 x 0.004)
12 (0.472)			
C245138	C245123	C245121	C245109

Cartridge with chrome finish, designed for use in plastics
C245053 A = Ø 5 (Ø 0.197) B = Ø 6.5 (Ø 0.149)
C245052 A = Ø 6 (Ø 0.236) B = Ø 4.9 (Ø 0.193)
C245054 A = Ø 7 (Ø 0.276) B = Ø 6.5 (Ø 0.256)

PTFE coated tip
Ø 1 (Ø 0.039)
C245119

Nickel tip for (High Melting Point) soldering
1.4 x 0.7 (Ø 0.055 x 0.028)
C245772

Through-hole and cable soldering
C245790 A = Ø 1.8 (0.071) B = 0.8 (Ø 0.031) C = 0.4 (0.016)
C245785 A = Ø 3 (Ø 0.118) B = 15 (0.591) C = 0.6 (0.024)
C245763 A = Ø 4 (0.157) B = 2.5 (Ø 0.098) C = 1 (0.039)
C245760 A = Ø 0.5 (0.197) B = 3.5 (0.138) C = 1 (0.039)

Through-hole drag soldering
C245754 A = 3.5 (0.138) C245654* B = 0.75 (0.029) D = 6 (0.236)
C245751 A = 4 (0.157) C245651* B = 1.25 (0.049) C = 3 (0.118) D = 6 (0.236)
C245667 A = 4 (0.157) B = Ø 0.5 (0.019) C = 5 (0.196) B = 1 (0.039) C = 12 (0.472)

Ideal to reach joints
1 x 0.1 (0.039 x 0.004)
13 (0.512)
C245764 A = Ø 0.5 (0.019) B = 1 (0.039) Ø = 12 (0.472)

Solder Pot
C245SP01 A = 18 (0.709) B = 15 (0.591)
C245771

C245E Cartridges have a reinforced protection on the tip that provides a longer life with a small reduction of thermal efficiency

C245E

0.8 x 0.4 (0.031 x 0.016)	1.2 x 0.4 (0.047 x 0.016)	1.6 x 0.5 (0.063 x 0.020)	2.4 x 0.8 (0.094 x 0.031)	2.7 x 1 (0.106 x 0.039)	3.2 x 0.8 (0.126 x 0.031)	5 x 1.7 (0.197 x 0.067)	6.6 x 1.8 (0.260 x 0.071)	Ø 2.4 (0.094)	Ø 3.5 (0.138)	7.2 (0.283)
C245159E	C245158E	C245160E	C245155E	C245735E	C245161E	C245070E	C245968E	C245156E	C245354E	C245157E

C120

Chip Components

Ø 0.2 (Ø 0.008)	1.5 (0.059)	Ø 0.3 (Ø 0.012)	1.5 (0.059)	Ø 0.5 (Ø 0.020)	1.5 (0.059)	Ø 0.7 (Ø 0.028)	1.5 (0.059)	Ø 0.7 (Ø 0.028)	5 (0.196)	0.6 x 0.3 (0.024 x 0.012)	Ø 0.2 (Ø 0.008)	Dual in Line
C120002		C120902		C120006		C120004		C120012		C120011	C120001	

3 (0.118)	5 (0.197)	C120007	C120008	C120009	C120010
C120003	C120005				

C210

Ø 0.1 (Ø 0.004)	Ø 0.2 (Ø 0.008)	Ø 0.3 (Ø 0.012)	Ø 0.3 (Ø 0.012)	Ø 0.5 (Ø 0.020)	Ø 1 (Ø 0.039)	Ø 0.3 (Ø 0.008)	Ø 0.3 (Ø 0.012)	Ø 0.5 (Ø 0.020)	Ø 0.7 (Ø 0.028)	Ø 1 (Ø 0.039)	Ø 1.5 (Ø 0.059)	Ø 2 (Ø 0.079)	Ø 1 (Ø 0.039)	Ø 1.5 (Ø 0.059)	Ø 2 (Ø 0.079)	0.2 x 0.1 (0.008 x 0.004)	0.4 x 0.2 (0.016 x 0.008)	0.6 x 0.3 (0.024 x 0.012)
C210020	C210009	C210016	C210001	C210013	C210003	C210005	C210002	C210010	C210014	C210004	C210006	C210027	C210031	C210028	C210029	C210030	C210019	C210023	C210021

0.8 x 0.3 (0.032 x 0.012)	1.3 x 0.4 (0.051 x 0.016)	1.3 x 0.6 (0.051 x 0.024)	2.3 x 0.7 (0.091 x 0.028)	Through-hole and cable soldering
C210024	C210022	C210008	C210007	

C210018 A = 3.4 (0.134) B = 0.3 (0.012)
C210033 A = 2.5 (0.098) B = 0.3 (0.012)
C210038 A = Ø 0.8 (Ø 0.031) B = 2.3 (Ø 0.091)
C210012 A = 0.7 (0.028) B = 2.4 (0.094) C = Ø 1 (Ø 0.039) D = 0.4 (0.016)
C210025 A = 2.1 (0.083) B = 1.1 (0.043) C = 5 (0.197)
C210015 B = 4.5 (0.177) C = 2.3 (0.091)
C210017 A = Ø 2 (0.079) B = Ø 0.7 (0.028) C = Ø 4.5 (0.177)

VIEW A 2:1

C250

Ø 0.4 (Ø 0.016)	Ø 0.6 (Ø 0.024)	Ø 0.8 (Ø 0.031)	Ø 1 (Ø 0.039)	Ø 1.7 (Ø 0.067)	Ø 2 (Ø 0.087)	1.2 x 0.7 (0.047 x 0.028)	1.8 x 0.8 (0.071 x 0.032)	2.2 x 1 (0.087 x 0.039)	4.8 x 1.5 (0.189 x 0.059)	3.2 x 1.5 (0.126 x 0.059)	1.2 x 0.7 (0.047 x 0.028)	4.8 x 1.5 (0.189 x 0.059)	2.2 x 1 (0.087 x 0.039)	Ø 2.2 (0.087)	Ø 3.8 (Ø 0.149)
C250420	C250401	C250402	C250403	C250409	C250410	C250404	C250405	C250406	C250412	C250418	C250407	C250408	C250411	C250413	C250414 C250415

C420

Chip Components

C420271 A = 1.5 (0.059)
C420272 A = 2.6 (0.102)

Blade type
C420283 A = 50 (1.968)

QFP & PLCC
C420288 A = 14.5 (0.571)
C420280 A = 11 (0.433)
C420279 A = 8 (0.315)

Dual in Line
C420273 A = 4 (0.157)
C420274 A = 6 (0.236)
C420275 A = 8 (0.315)
C420276 A = 10 (0.394)
C420277 A = 15 (0.591)
C420278 A = 20 (0.787)
C420285 A = 22 (0.866)
C420286 A = 15.6 (0.614) B = 12 (0.472) C = 14.3 (0.563)
C420287 2 (0.079)

C470

2 x 0.9 (0.079 x 0.035)	2 x 1 (0.079 x 0.039)	4 x 1.3 (0.157 x 0.051)	4 x 1.3 (0.157 x 0.051)	4 x 2.5 (0.157 x 0.098)	5 x 1.2 (0.197 x 0.047)	5.5 x 1.5 (0.216 x 0.059)	6 x 1.5 (0.236 x 0.059)	6 x 1.7 (0.236 x 0.067)	7.5 x 1.5 (0.295 x 0.059)	7.5 x 1.7 (0.295 x 0.067)	8 x 2.5 (0.315 x 0.098)	8.5 x 2.5 (0.335 x 0.098)	10 x 2.5 (0.394 x 0.098)	15.5 x 2.5 (0.610 x 0.098)	Ø 3.5 (Ø 0.138)	Ø 7.5 (Ø 0.295)	Ø 10 (Ø 0.394)
C470013	C470036	C470014	C470040	C470035	C470017	C470009	C470002	C470015	C470004	C470016	C470058	C470039	C470006	C470007	C470019	C470003	C470056

2.4 (0.094)
C470064 A = 10 (0.394)
C470059 A = 20 (0.787)
C470023 A = 32 (1.260)
C470063 A = 37 (1.457)

0.1 (0.004)
C470061

Ø 10.6 (0.417)
C470051 A = 21 (0.827) B = 6 (0.236) C = 9 (0.354) D = 6 (0.236) E = 4 (0.157)

C470027 A = 43 (1.693) B = 20 (0.787)

28 x 4 (1.102 x 0.157)

Ø 15 (Ø 0.591)
5 (0.197)

C470021 A = 12 (0.472) B = 4 (0.157)
C470022
C470044 A = 15 x 10 (0.591 x 0.394)
C470057 A = 30 x 20 (1.181 x 0.787)
C470005

Through-hole and cable soldering
C470048 A = 5.5 (0.216) B = Ø 3.4 (0.134) C = 1.6 (0.063)
C470049 A = 6.9 (0.272) B = Ø 5.2 (0.205) C = 1.9 (0.075)
C470033 A = 7 (0.275) B = Ø 3.65 (0.144) C = 5 (0.197)
C470030 A = 7.9 (0.311) B = Ø 5 (0.197) C = 5.5 (0.217)
C470037 A = 12.7 (0.500) B = Ø 8 (0.315) C = 5 (0.196)
C470041 A = Ø 15 (0.591) B = Ø 12.5 (0.492)

6 x 1.8 (0.236 x 0.071)
C470031 A = 7.5 (0.295) B = Ø 3.3 (0.126)
C470047 A = 7.5 (0.295) B = 1.1 (0.043)
C470010 A = Ø 12.2 (0.480) R = Ø 8 (0.315)

C470042 A = 7.5 (0.295) B = 4.8 (0.189) C = 1.5 (0.059) D = 2.4 (0.094) D = 7 (0.276)
C470046 A = 7.5 (0.295) B = 4.5 (0.177) C = 1.5 (0.059)
C470050 A = 4.6 (0.181) B = 8 (0.315)

Solder Pot
C470SP01 A = 18 (0.709) B = 15 (0.591)
C470SP42 A = 40 (1.575) B = 40 (1.575)

C360

C360001 Ø A = 1 (0.039) Ø B = 0.6 (0.024)
C360002 Ø A = 1.2 (0.047) Ø B = 0.8 (0.032)
C360003 Ø A = 1.4 (0.055) Ø B = 1 (0.039)
C360004 Ø A = 1.6 (0.063) Ø B = 1.2 (0.047) Ø max. pin = 0.8 (0.032)
C360007 Ø A = 1.9 (0.075) Ø B = 1.4 (0.055) Ø max. pin = 1.2 (0.047)
C360006 Ø A = 3 (0.118) Ø B = 1.5 (0.059) Ø max. pin = 1.3 (0.051)
Ø max. pin = 0.4 (0.016)
Ø max. pin = 0.6 (0.024)

Pad Cleaners Tips
C360011 Ø A = 1 (0.039) Ø B = 0.6 (0.024)
C360012 Ø A = 1.3 (0.051) Ø B = 0.8 (0.032)
C360013 Ø A = 1.4 (0.055) Ø B = 1 (0.039)
C360014 Ø A = 1.6 (0.063) Ø B = 1.2 (0.047)

C560

C560001 Ø A = 1.4 (0.055) Ø B = 0.8 (0.032) Ø max. pin = 0.4 (0.016)
C560002 Ø A = 1.8 (0.071) Ø B = 0.8 (0.032) Ø max. pin = 0.6 (0.024)
C560014 Ø A = 2.5 (0.098) Ø B = 0.8 (0.032) Ø max. pin = 0.6 (0.024)
C560003 Ø A = 2.7 (0.106) Ø B = 1 (0.039) Ø max. pin = 0.8 (0.032)

C560017 Ø A = 2 (0.079) Ø B = 1.1 (0.043) Ø max. pin = 1 (0.039)
C560004 Ø A = 3 (0.126) Ø B = 1.3 (0.052) Ø max. pin = 1.1 (0.043)
C560009 Ø A = 5 (0.197) Ø B = 1.3 (0.052) Ø max. pin = 1.1 (0.043)
C560005 Ø A = 3.4 (0.134) Ø B = 1.5 (0.059) Ø max. pin = 1.3 (0.051)

C560006 Ø A = 4.2 (0.165) Ø B = 1.9 (0.075) Ø max. pin = 1.7 (0.067)
C560018 Ø A = 4.6 (0.181) Ø B = 2.2 (0.087) Ø max. pin = 2 (0.079)
C560007 Ø A = 4.8 (0.189) Ø B = 2.4 (0.095) Ø max. pin = 2 (0.087)
C560015 Ø A = 5.2 (0.205) Ø B = 3 (0.118) Ø max. pin = 2.8 (0.110)

Pad Cleaners Tips
C560011 Ø A = 1.4 (0.055) Ø B = 0.6 (0.024)
C560012 Ø A = 1.8 (0.071) Ø B = 0.8 (0.031)
C560013 Ø A = 2.7 (0.106) Ø B = 1 (0.039)

C000000 **High Thermal Efficiency Cartridges:** These are characterised by their optimised tip geometries which achieve improved thermal efficiencies of up to 40%.
C000000* These cartridges are 20mm longer than normal cartridges for easier access to difficult-to-reach joints.

Modular System

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 Customization
Personalize the station parameters according to your application/needs.

Partial Counters
Register total and partial time for each port, such as work and Sleep & Hibernation Modes in hours.

Peripherals
Connect station ports to pedals and modules, such as desoldering pump, nitrogen flow regulator, etc.

Tool Presets
Set parameters for each tool to automatically apply them.

Graphics
In real time, visualize tip temperature and power delivered to the solder joint during the soldering process.

Communication Station-PC
Manage your stations remotely via PC, export graphics and update the software.

Robot
Automate the soldering process and manage the station via robot.

TFT screen

See % **power** for each port

USB-A
Software updating & exporting graphics

Tool in use

Consult the comprehensive **help** for each parameter

DDE
2 Tools

T245
350°C
Temp. Levels
250 350 380
Power 45%
Port 2

Display different **ports** in use

Modular System Map

DI 1-Tool Control Unit	**DDE** 2-Tool Control Unit	**DME** 4-Tool Control Unit	

CONTROL UNITS

MN Nitrogen Flow Regulator	**MS** Electric Desoldering Module	**MNE** Nitrogen Flow Regulator	**MSE** Electric Desoldering Module

STANDS

ADS	DNS	APS	AMS	ATS	HTS	DSS	DRS

TOOLS

T210 Precision Handle	T245 General Purpose Handle	T210N Nitrogen Precision Handle	T245N Nitrogen General Purpose Handle	AP250 Manual-Feed Soldering Iron	AM120 Adjustable Micro Tweezers	PA120 Micro Tweezers	AT420 Adjustable Thermal Tweezers	HT420 Thermal Tweezers	DS360 Micro Desoldering Iron	DR560 Desoldering Iron

CARTRIDGES

C210 Cartridges	C245 Cartridges	C210 Cartridges	C245 Cartridges	C250 Cartridges	C120 Cartridges	C420 Cartridges	C360 Tips	C560 Tips

Tip Cleaning Systems

CLMUP
Automatic Tip Cleaner with Fiber Brushes
Perform a thorough and **gentle tip cleaning**. Regular usage recommended to improve tip life.

CLMU
Automatic Tip Cleaner with Metal Brushes
Perform a thorough and **stringent cleaning** to recover the tip in order to increase heat transfer. Recommended for deep cleaning.

CLMS
Automatic Junior Tip Cleaner
Improve thermal transfer of the tip in only 1 second. It fits in any work area thanks to its **reduced size and is very easy to maintain**.

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

JBC The Soldering Co.

Premium Stations

Different solutions based on the JBC Modular System specially designed for different soldering and rework processes.

Nano Stations

NANE
2-Tool Soldering Station
The best solution for **soldering SMD** requiring the highest precision.

It includes two NT115 Nano Handles.

NASE
2-Tool Rework Station
The best solution for **rework SMD** requiring the highest precision.

It includes NT115 Nano Handle and AN115 Adjustable Nano Tweezers.

Heavy Duty Stations

HDE
Heavy Duty Soldering Station
The **most powerful soldering unit** of the JBC Range.

It includes T470F Thermal Insulator Grip HD Handle.

HDEK
Heavy Duty Rework Station
Designed to **reduce the soldering timein applications that require a large amount of heat transfer**.

It includes two HDE Control Units and HT470 Heavy Duty Thermal Tweezers.

Auto-Feed Stations

ALE
Automatic-Feed Soldering Station
The ideal solution for the **soldering process requiring high productivity**.

It includes ALE250 Automatic-Feed Soldering Iron and GALE10V Guide Kit.

SF
Automatic Solder-Wire Feeder Station
Allows **feeding solder wire automatically from any position**.

It includes the ergonomic SF280 Auto Solder-Wire Handle and GSF10V Guide Kit.

Rework Stations

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

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

DDE Control Unit manages up to two tools simultaneously and is fully compatible with 10 different JBC Tools.

DDSE
2-Tool Rework Station
DDSE Station is a **complete solution to rework circuits with medium power requirement** with T245 General Purpose Handle and DR560 Desoldering Iron.

DDE Control Unit manages up to two tools simultaneously and is fully compatible with 10 different JBC Tools.

DMSE
2-Tool Rework Station
DMSE Station is a **complete solution to rework circuits** with T245 General Purpose Handle and DR560 Desoldering Iron.

DME Control Unit manages up to four tools simultaneously and is fully compatible with 10 different JBC Tools.

JBC
The Soldering Co.

Rework Stations

DMPSE
4-Tool Rework Station
DMPSE Station is a **complete solution to rework circuits** with T245 General Purpose Handle, DR560 Desoldering Iron, T210 Precision Handle and AM120 Adjustable Micro Tweezers.
DME manages up to four tools simultaneously and is fully compatible with 10 different JBC Tools.

Complete Rework System

RMSE
Complete Rework System
The **quickest and safest solution to solder and rework all kinds of SMDs**.
DDE Control Unit manages up to two tools simultaneously and is fully compatible with 10 different JBC Tools.
MSE Electric Desoldering Module is indispensable for a complete desoldering process.
JTSE Hot Air Station controls the rework task using temperature and airflow profiles.
This station includes DR560 Desoldering Iron, T245 General Purpose Handle and JTT Heater Hose Set.

Preheaters

The complete system for preheating multi-layer PCBs and **ideal for repetitive soldering jobs**. The preheater is used as a secondary heat source to reduce the thermal gap between the soldering tool and the PCB, **reducing thermal shock on components and PCBs**.

PHXLEK
Preheater Set for PCBs up to 51 x 61 cm / 20 x 24"
This is a complete system for preheating **big-sized PCBAs such as communications boards, airplanes, etc.** and ideal for repetitive soldering jobs.

PHBEK
Preheater Set for PCBs up to 36 x 28 cm / 14 x 11"
PHBEK Large Preheater Set is the best solution for **rework on medium / large PCBAs, such as the ones commonly used in circuit board and/or lap tops**.

PHSEK
Preheater Set for PCBs up to 13 x 13 cm / 5 x 5"
PHSEK Small Preheater Set is the best solution for **rework on small / medium PCBAs, such as the ones commonly used in electronics industry**.

PHNEK
Preheater Set for PCBs up to 11 x 7 cm / 4 x 3"
Is the best solution for **rework on small PCBAs, such as the ones commonly used in smartphones**.

Hot Air Stations

JNASE
High-Precision Hot Air Station
The only hot air station to **rework, position and remove SMD without affecting nearby components**.

It includes NH High-Precision Heater Hose Set and T260 Pick & Place Handle.

TESE
Precision Hot Air Station
Precision hot air station capable of **reworking small and medium SMD**.

It includes TET Precision Hose Set.

JTSE
Power Hot Air Station
A high-powered hot air station capable of **reworking all types of SMD**.

It includes JTT Heater Hose Set.

SMD Rework System

SRS
SMD Rework System
SRS SMD Rework System **provides full control over SMD rework processes**.

JTSE Hot Air Station controls the rework task using **temperature and air flow profiles**.

RWS Rework Arm supports JTT Heater Hose Set, allowing **handsfree operation**.

PHSEK Preheater Set comes with PHSE Preheater and PHSS PCB Support.

A variety of Protectors, Extractors and Tripods are included.

Wire Stripper Stations

Specially **designed for stripping high-temperature wire insulations** made of thermostable materials.

WSS
High-Temperature Precision Wire Stripper Station
This station includes WS140 High-Temperature Precision Wire Stripper Tweezers.

WSB
High-Temperature Wire Stripper Station
This station includes WS440 High-Temperature Wire Stripper Tweezers.

A complete tooling range for high precision

High-Precision Rework Shop for **reworking small SMD** - such as 01005 - follows the worldwide trend of nano solutions. Its complete range of tools offers high precision and maximum control - even under a magnifying glass - allowing a **fast and efficient work process**.

ESD safe

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