

JBC

The Soldering Co.



Compact Stations

ALL-IN-ONE SOLUTION - THE KEY TO PRODUCTIVITY

Matronic
ELECTRONIC PRODUCTION TECHNOLOGY

Compact Stations

Everything you need in a minimum footprint

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 Management

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.

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.

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**.

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.

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**.

Soldering

CDN

High-Precision Soldering Station
Designed for **highest-precision jobs** in any **micro-soldering application**, offering **maximum control** working under the microscope. It includes NT115 Nano Handle.

CDS

Precision Soldering Station
Ideal when working on **populated PCBs** or under a magnifying glass. It includes T210 Precision Handle.

CDB

Soldering Station
Suitable for **general electronics applications**. It includes T245 General Purpose Handle.



Rework

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.

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

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



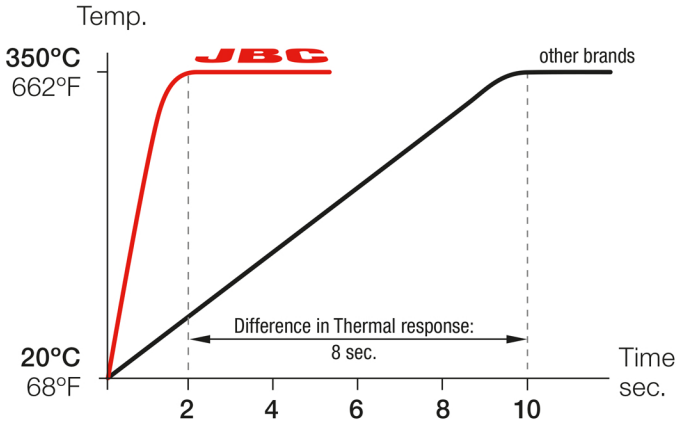
JBC Technology

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.

Heating System Principles

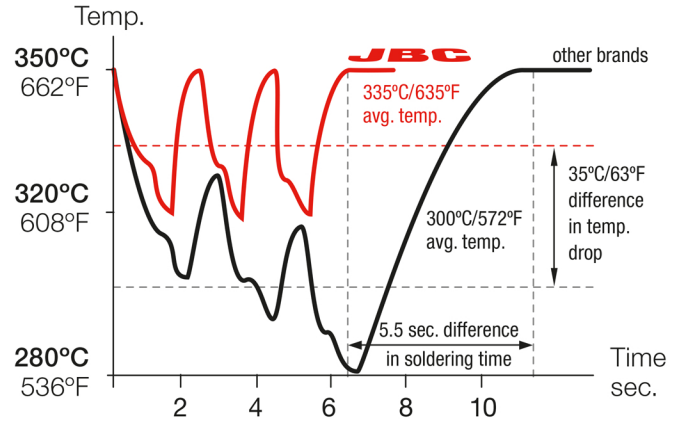
350°C/662°F in 2 seconds



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

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).

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

Sleep Mode **automatically lowers tip temperature** below the solder melting point when the tool rests in the stand. It **prevents the dissolution of the tip iron coating into molten solder**.

Hibernation

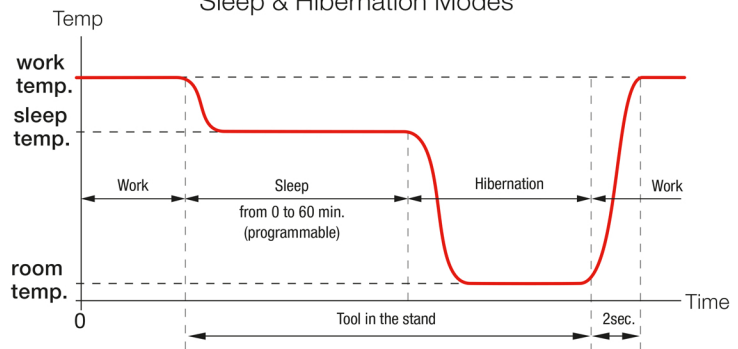
After a configurable period of tool inactivity in the stand, the tool enters Hibernation Mode.

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

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**.

Sleep & Hibernation Modes



Tip life up to 5x longer

