

# JBC

The Soldering Co.



## Compact Stations

A complete soldering system

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Each station 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.



**CDN**  
**High-precision Soldering**  
Designed for **highest-precision jobs** in any micro-soldering application, offering **maximum control working under the microscope.**



**CDS**  
**Precision Soldering**  
Ideal when working on populated PCBs or under a magnifying glass.



**CDB**  
**Soldering**  
Suitable for **general electronics applications.**



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



**CP**  
**Precision Rework**  
Ideal for soldering and **reworking SMT chip components**, small/medium SOP and dual in-line components.



**CS**  
**Desoldering Station**  
Ideal for **desoldering small THT components and SMD pad cleaning.**

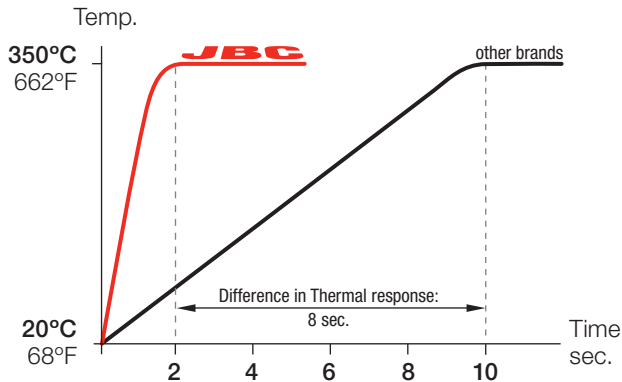
# JBC Technology

## 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

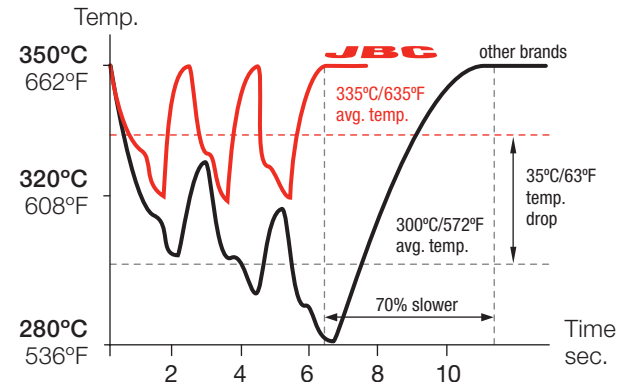
350°C/662°F in 2 seconds



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.**

