



JBC
The Soldering Co.



Compact Stations
A complete soldering system

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Each station meant for a specific purpose



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.**

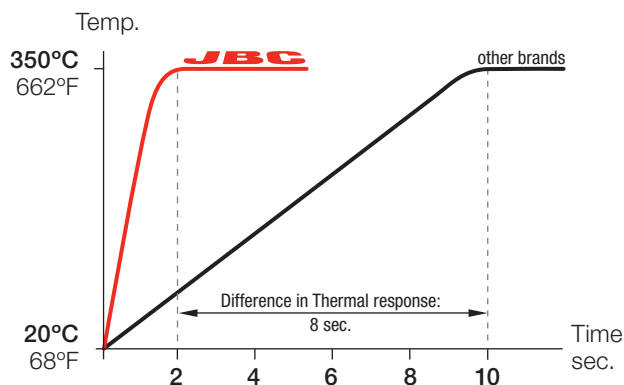
JBC Technology

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

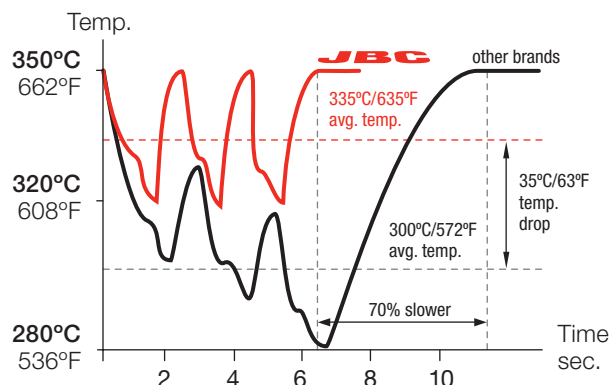
350°C/662°F in 2 seconds



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

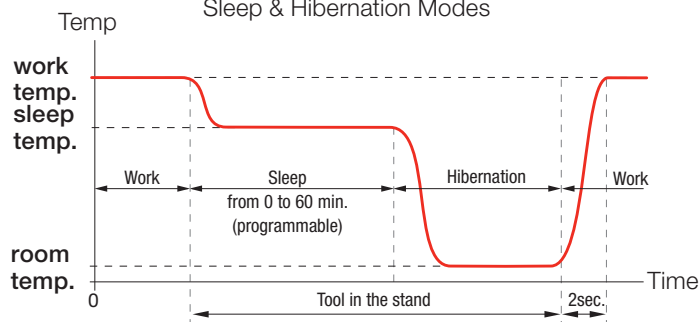
After a configurable period of tool inactivity in the stand, the tool enters Hibernation Mode.

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.**

Sleep & Hibernation Modes



Tip life up to 5x longer

