JBC

The Soldering Co.

CDE

The first station with Soldering Assistant

Soldering Assistant provides the data to achieve perfection

The first system that measures the delivered energy during the soldering process

The system compares all new solder joints with the pre-stored soldering reference. This function gives feedback to the operator, showing a percentage to qualify the soldering process.

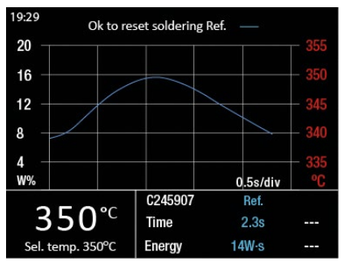
Furthermore, this system makes this station p**erfect to improve the operator's soldering abilities.**

Improve your soldering quality while improving your skills

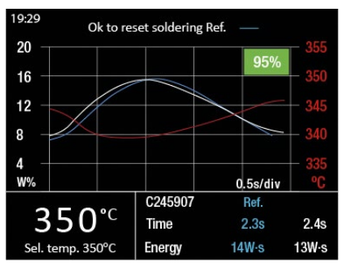
1. Configure
Set the proper soldering configuration to obtain the best quality soldering.

2. Choose the Cartridge
By selecting the cartridge used, the station sets up the proper internal configuration.

3. Perform
An experienced operator needs to perform and verify the soldering process.

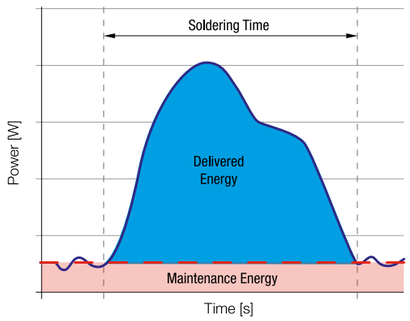


4. Practice
Repeat the soldering joint and the station compares it with the pre-stored joint.

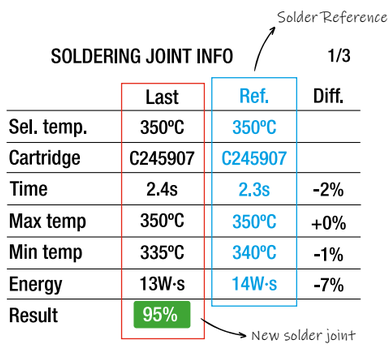


Energy of the soldering process

The only way to indicate whether **two solder joints are equal or not** is by using the **delivered energy** measurement during the soldering process and the **time needed**.



Soldering Assistant allows analyzing manual soldering processes and **obtaining a qualification of these by comparing the solder joints one by one.**



CDEB Soldering-Assistant Station

This station is suitable for general electronics applications with T245 General Purpose Handle, **perfect for both SMD and for jobs with high power requirements**. It works with C245 Cartridges.

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.

Intelligent Heat Management

The stations incorporate **Sleep & Hibernation Modes** that automatically lower the tip temperature when the tool is placed in the Tool Holder. Therefore, **JBC tips last 5 times longer than tips of other brands.**

Cable Collector

Tool Holder and Cable Collector are easily adjustable. **Work freely, without troublesome cables.**

Intuitive Menu and Interface

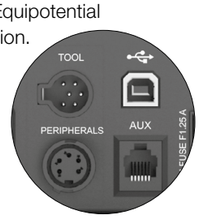
A renewed user menu allows you to easily **set up** the **station** and **soldering parameters**.

Communication

Connect your station via USB cable to a PC and get to **control and trace** your **soldering production**. Peripherals can also be directly connected.

- USB Connection (Software updates, export graphics and monitor and manage station parameters).
- FAE Fume Extractors
- KNE Nitrogen Kit
- Pedal

It also has an easily replaceable Earth Fuse and an Equipotential Connection.



Tip Cleaning System

CDE features a tip cleaner with **antisplash membrane** to prevent splashing of solder particles and maintain the work area clean. It allows you to choose from three safe methods according to your needs: **metallic wool, sponge** or **metal brush**.

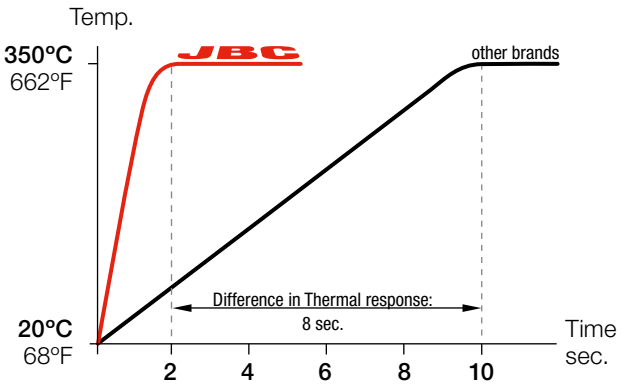
JBC Technology

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

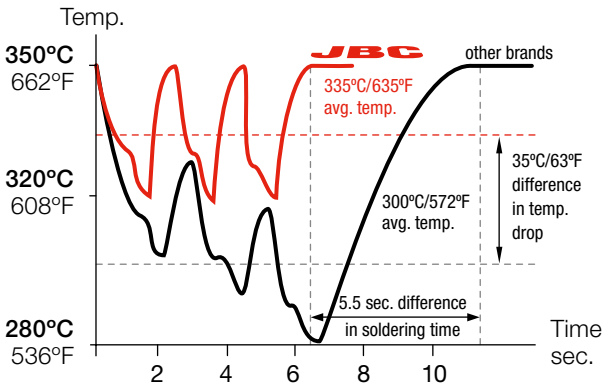
350ºC/662ºF in 2 seconds



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 30ºC (54ºF) where others drop as much as 70ºC (126ºF).

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.**

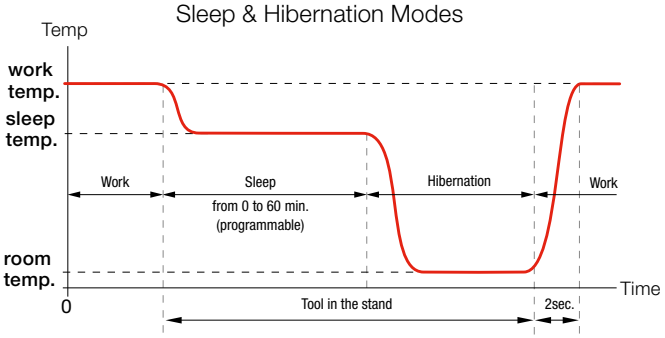
Hibernation

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