

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 **perfect to improve the operator's soldering abilities.**



Improve your soldering quality while improving your skills

1. Configure

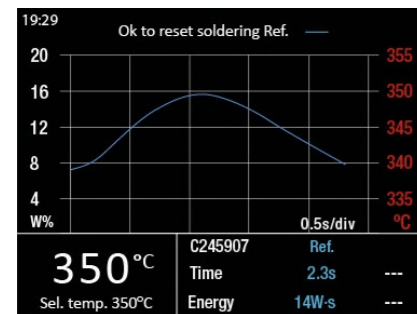
Set the proper soldering configuration to obtain the best quality soldering.

2. Choose the Cartridge

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

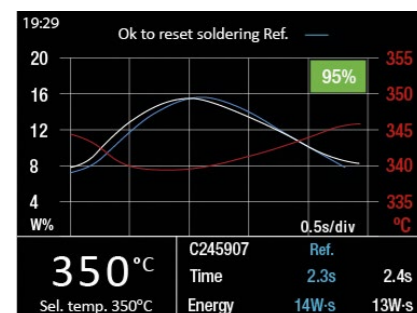
3. Perform

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



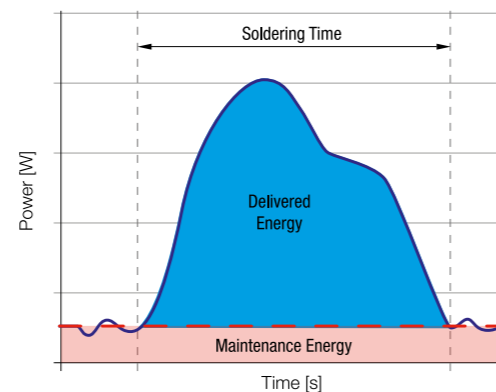
4. Practice

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.**

SOLDERING JOINT INFO			
	Last	Ref.	Diff.
Sel. temp.	350°C	350°C	
Cartridge	C245907	C245907	
Time	2.4s	2.3s	-2%
Max temp	350°C	350°C	+0%
Min temp	335°C	340°C	-1%
Energy	13W-s	14W-s	-7%
Result	95%		

Solder Reference (pointing to Ref. column)

New solder joint (pointing to Last column)

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

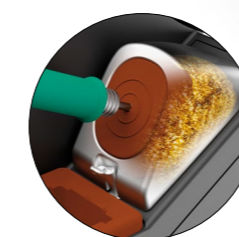
The stations incorporate **Sleep & Hibernation Modes** that automatically lower the tip temperature when the tool is placed in the Tool Holder. Therefore, **JBC tips last 5 times longer than tips of other brands.**

Cable Collector

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

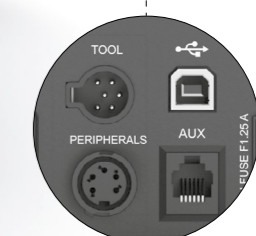
Intuitive Menu and Interface

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



Tip Cleaning System

CDE 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.**



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.



Soldering-Assistant Station Range



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.

A healthy workplace is our priority



FAE2

Fume Extractor for 2 workbenches

FAE is **the most effective solution to avoid exposure to solder fumes.** The extractor activates and operates only when soldering, saving power and extending the life span of the equipment.

FAE2 provides direct connection of up to 4 soldering or rework stations with a total of 8 tools. It can be controlled via JBC Stations, a pedal, a robotic system or a PC. It has 3 predefined levels of aspiration: low, medium and high. It also features a custom mode where the airflow can be set within the minimum (10%) and maximum rates (100%).

