

# JBC

The Soldering Co.



## CDE

The first station with Soldering Assistant

**Matronic**  
ELECTRONIC PRODUCTION TECHNOLOGY

# 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

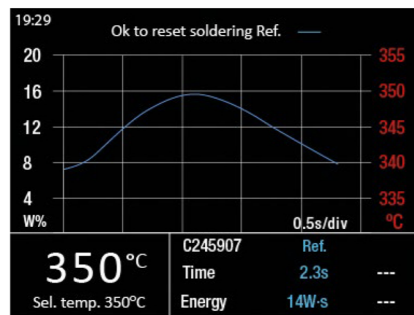
Set the proper soldering configuration to obtain the best quality soldering.

### 2. Choose the Cartridge

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

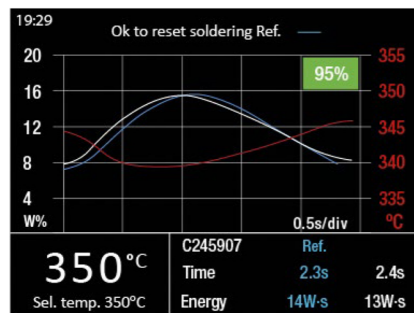
### 3. Perform

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



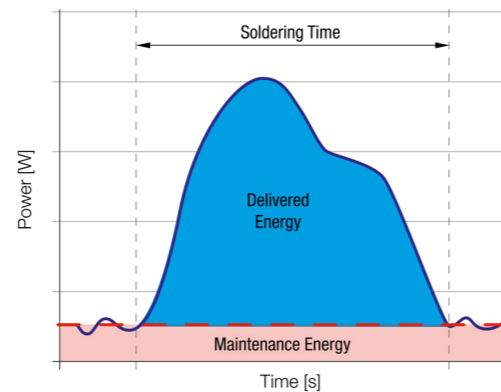
### 4. Practice

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%		

## 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 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.**

# 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%).

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**ESD safe**

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