

JBC

The Soldering Co.



Soldering Assistant

Improve your soldering quality in real time



Know the energy delivered to the soldering joint



Monitor the soldering process



Obtain information to optimize processes



Help operators with little experience

Soldering Assistant helps to improve your soldering abilities

The system compares the new solder joints with the prestored soldering reference. The operator receives feedback from the station indicated by a colour with a percentage to qualify the process:

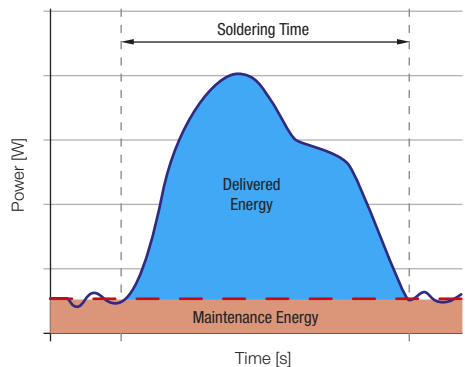
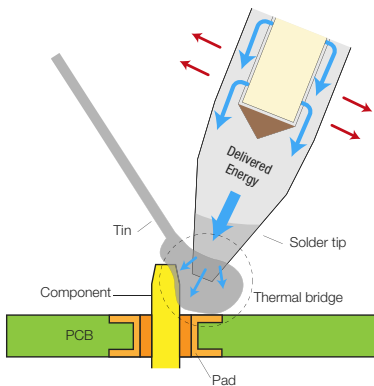


Soldering Assistant makes this station perfect for operators with little experience.

** Percentage is configurable*

Energy of the soldering process

The measurement of the energy delivered by the soldering process and the time needed to do so, is what allows the station to indicate whether two soldering joints are equal or not.

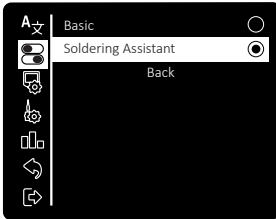


Soldering Assistant allows analyzing manual soldering processes and obtaining a qualification of these by comparing the soldering joints one by one.

The station identifies when a soldering joint is performed, records the power delivered in each instant and measures the energy supplied.

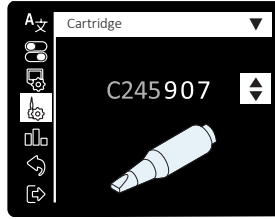
How do we achieve a quality solder joint?

1. Configuration



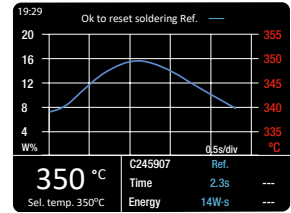
A renewed user menu allows the user to easily set up the station parameters.

2. Choose cartridge



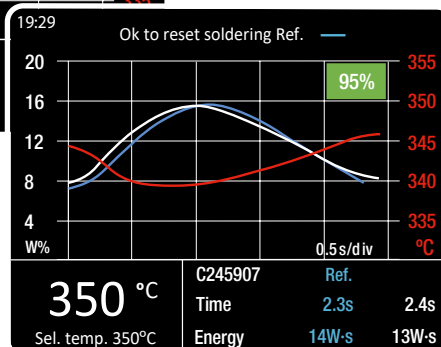
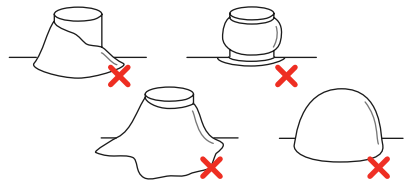
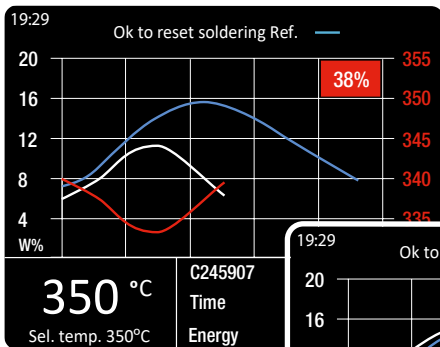
You can select different tips geometries to test and choose the most optimal cartridge for each soldering process.

3. Set reference



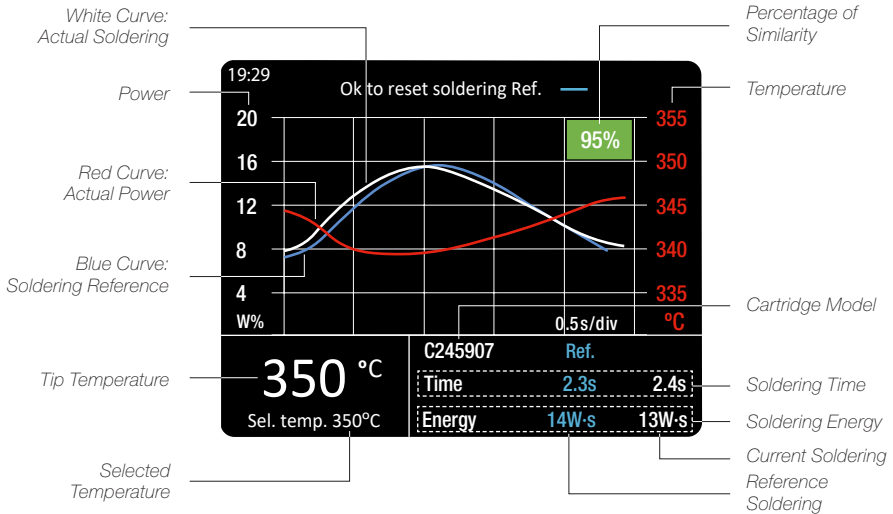
To obtain a high-quality soldering reference, it is recommendable that an expert performs and verifies the soldering process.

4. Practice



Practice soldering joints and the station will compare them with the pre-stored joint. Repeat until you achieve the desired results.

Soldering Assistant Main Screen



Soldering Joint Information Screen

By pressing the **i** access to the detailed parameters for each solder joint. With **<** and **>** you can select the curve comparison of the last five solder joints.

SOLDERING JOINT INFO		1/3	
	Last	Ref.	Diff.
Sel. temp.	350°C	350°C	
Cartridge	C245907	C245907	
Time	4.3s	4.0s	-6%
Max temp	350°C	350°C	+0%
Min temp	320°C	320°C	+0%
Energy	5.0W·s	5.6W·s	-6%
Result	97%		

For more information visit:

www.jbctools.com/soldering-assistant.html



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