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 provides the data to achieve perfection

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:

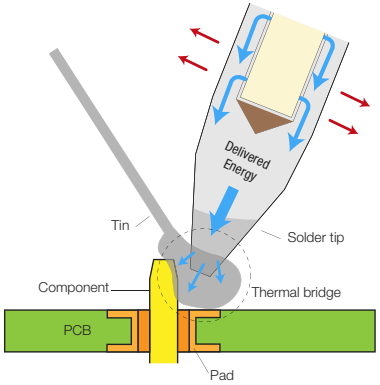
0-60 %* | 61-100 %*

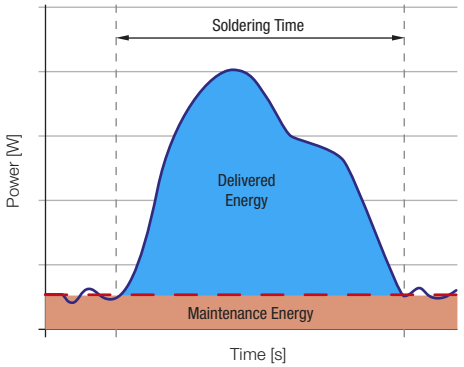
Soldering Assistant makes this station perfect to improve the operator's soldering abilities.

** 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.



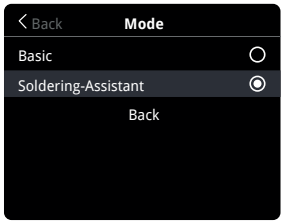


Soldering Assistant allows analyzing manual soldering processes and obtaining a qualification of these by comparing the soldering joints one by one.

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

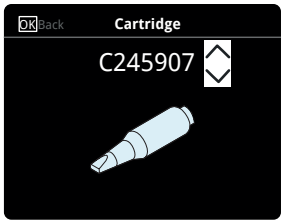
How to achieve a quality solder joint

1. Configure



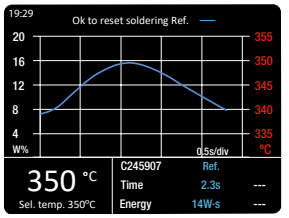
A renewed user menu allows the user to easily set up the station parameters.

2. Choose cartridge



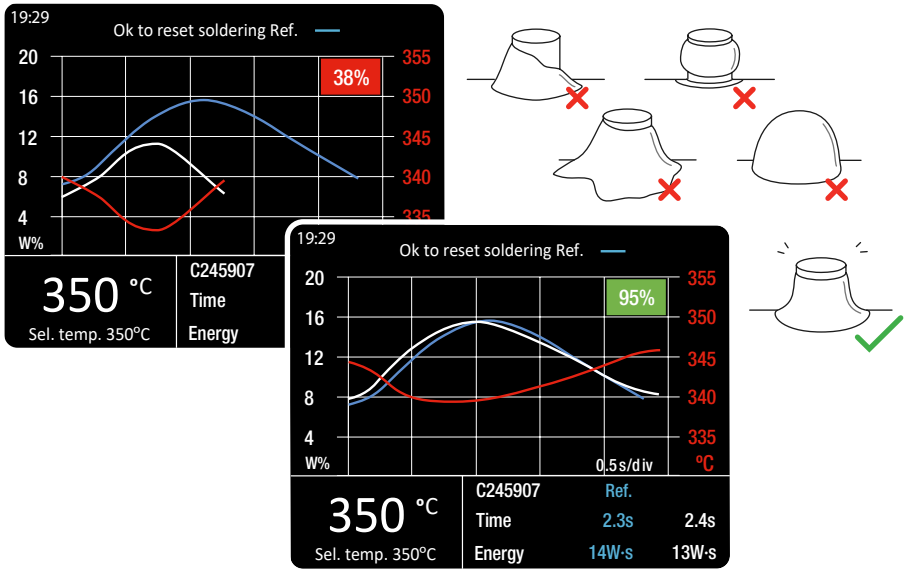
You can select different tips geometries to test and choose the most optimal cartridge for each soldering process.

3. Set reference



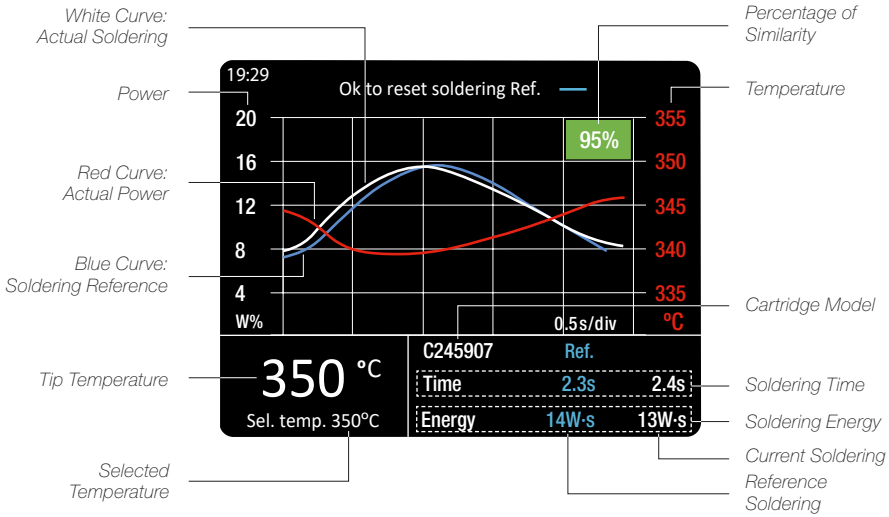
To obtain a high-quality soldering reference, it is recommendable that an expert performs and verifies the soldering process.

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 comparision of the last five solder joints.

SOLDERING JOINT INFO			1/3
	Last	Ref.	Diff.
Sel. temp.	350ºC	350ºC	
Cartridge	C245907	C245907	
Time	4.3s	4.0s	-6%
Max temp	350ºC	350ºC	+0%
Min temp	320ºC	320ºC	+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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