TOP 10 reasons to buy a JBC station

The key to successful hand soldering in lead free era

1. Low Temperature Soldering:

High Power / mass ration tips and integrated heater / thermocouple delivers the best thermal recovery and lower soldering temperatures.

2. Read & Feed:

We use one wire buried deep in the tip of the copper to "read & feed." Our thermocouple and heating element are one in the same and are microprocessor driven over a sensor at 60 hertz (60x a second) utilizing up to 140 watt transformer. This is why our thermal performance cannot be matched.

3. Initial Heat Up:

A conventional station takes between 10 to 90 seconds to reach 350° C. Any JBC station with a T210 hand piece reaches this temperature in only two seconds.

4. Outstanding Tip Life:

Lasting up to 5 times longer as soon as the soldering iron is left in the stand, the tip temperature automatically drops to 180°C, decreasing oxidation and wear. When the soldering iron is taken out of the stand again, the working temperature is instantaneously reached.

NOTE: It varies by tip geometry, temperature settings, solder, flux, and the operator ability.

5. Quick Change Over Tips:

No tools needed to change the tip. Just place in holder, pull and insert the new tip. Reduces your idle time while increasing operator safety.

6. Ergonomic Design:

The JBC soldering iron are currently the lightest, smallest and most ergonomic handpiece available. Offering the shortest tip-to-grip distance and a higher working performance.

7. Process Control:

Regain control of your process! Set temperatures limits, read counters, block the station with PIN or block the keypad.

8. Intelligent Heat Management:

Extend tip life by reducing temperature and reduce energy usage to 10 watts during sleep and 4 watts when hibernating.

9. Easy Calibration:

Since JBC technology is microprocessor driven, it not necessary to recalibrate any of the JBC stations but, if required, calibration of the soldering tip can easily be done by using our Thermometer and the temperature adjustment of the station's menu.

10. Improved Productivity:

The JBC technology gives an 80% improvement over the performance of the best soldering station available in the market.

In the following graphs, based on practical test, we show this superiority.

2 seconds HEAT UP

TOP 10 reasons to buy a JBC station

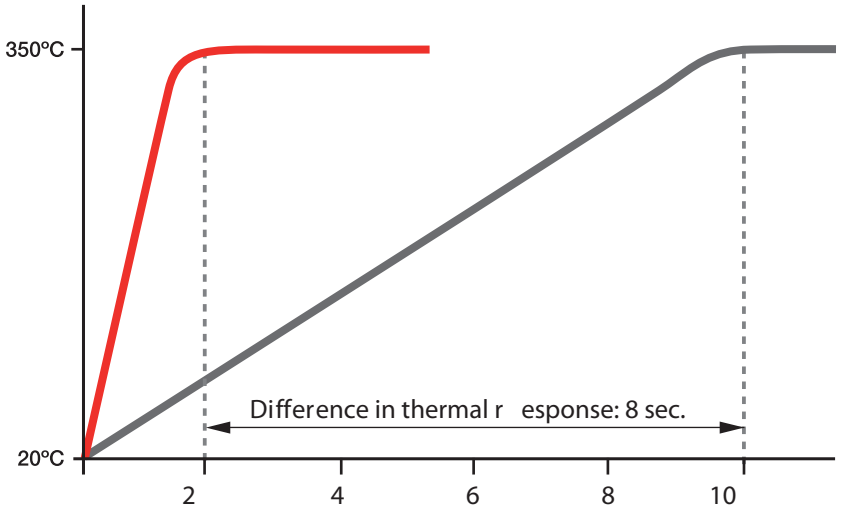
The key to successful hand soldering in lead free era

TIME TO REACH 350° C

The graph shows responsiveness of a standard station compared to a JBC station.

A standard station needs between 10 and 90 seconds to reach 350ºC, while any JBC station equipped with a T210 handpiece reaches the same temperature in only 2 seconds.

The superior responsiveness of the JBC system could not be clearer.



Conclusion:

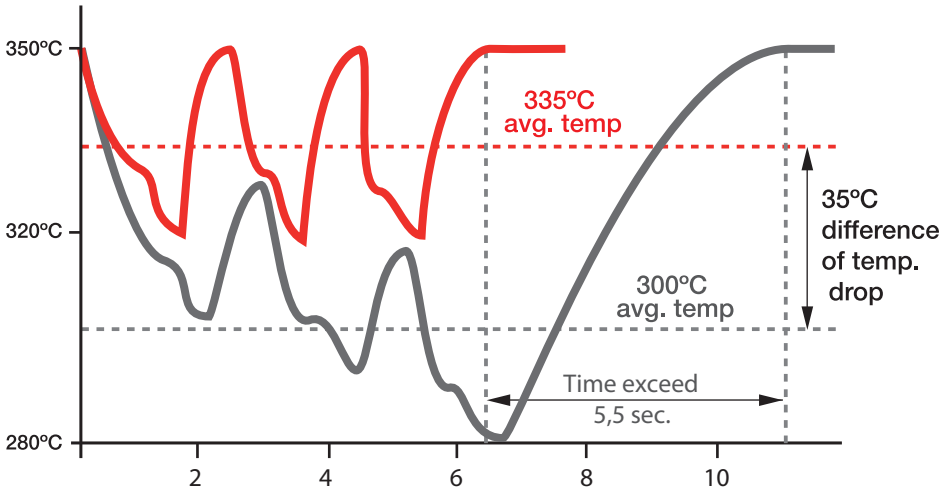
JBC tools have the fastest thermal response in the market

PROCESS FOR 3 SOLDER JOINTS

This graph shows the same tool, performing a series of 3 solder joints.

Because of the lacking thermal response of the competing (grey) tool, the temperature drops 70° C compared to 30° C for the JBC tool.

This difference gets bigger as the solder job gets more demanding.



Conclusion:

JBC tools can solder efficiently at 350°C, competitor's tools can't.

0009/08/0712