

Metcal GT90 and GT120 Inductive Heating Technology

Can Increase Your Productivity By Up To 260% Compared To Competitive Resistive Products



INDUCTIVE SOLDERING SYSTEM

VS

RESISTIVE SOLDERING SYSTEM

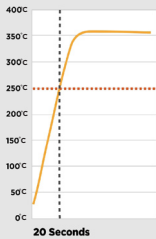


Time to Temperature

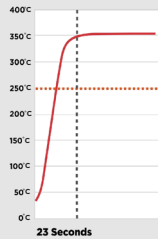
Time To Temperature is measured by how fast a soldering iron heats to an initial ready-to-solder temperature

*Based on testing with thermocouples attached to soldering loads equal to an 0805 type surface mounted component

Metcal GT90

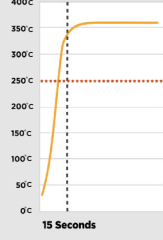


Comparable Systems

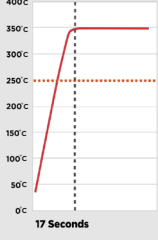


GT90
Up to 15% Faster Than Comparable 90 Watt Resistive Systems

Metcal GT120



Comparable Systems



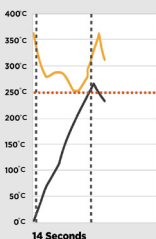
GT120
Up to 15% Faster Than Comparable 150 Watt Resistive Systems

Inductive Solder Tip Temperature Resistive Solder Tip Temperature Component Temperature

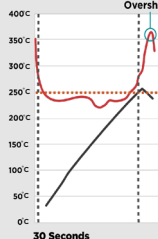
GT90
More Than 2X Faster Than Comparable 90 Watt Resistive Systems

GT120
More Than 80% Faster Than Comparable 150 Watt Resistive Systems

Metcal GT90



Comparable Systems

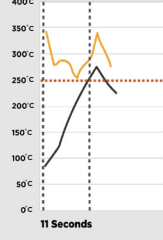


Dwell Time

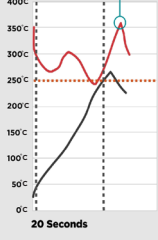
Dwell Time is the time it takes a soldering iron to solder a specific joint

*Based on thermocouples attached to simulated loads equal to an 0805 type surface mounted component

Metcal GT120



Comparable Systems



Inductive Solder Tip Temperature Resistive Solder Tip Temperature Component Temperature Target Temperature

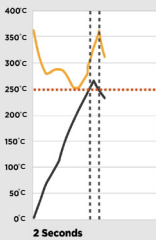


Recovery Time

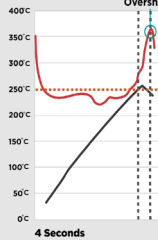
Recovery Time is the time it takes the soldering iron tip to return to the set point temperature

*Based on thermocouples attached to simulated loads equal to an 0805 type surface mounted component

Metcal GT90

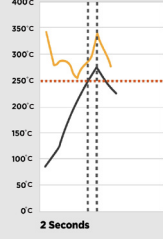


Comparable Systems

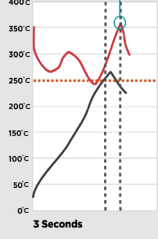


GT90
Recover Up to 2X Faster Than Comparable 90 Watt Resistive Systems, With Virtually No Over Shoot

Metcal GT120



Comparable Systems



Inductive Solder Tip Temperature Resistive Solder Tip Temperature Component Temperature Target Temperature

GT90
More than 2X Faster Than Comparable 90 Watt Resistive Soldering Systems

Less Temperature Drop Peak-To-Peak

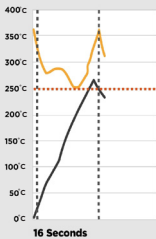
Delivers A More Consistent Solder Joint Than Comparable 90 Watt Resistive Systems

GT120
Up to 80% Faster Than Comparable 150 Watt Resistive Systems

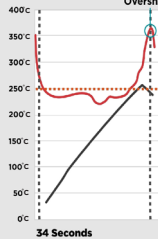
Less Temperature Drop Peak-To-Peak

Delivers A More Consistent Solder Joint Than Comparable 150 Watt Resistive Systems

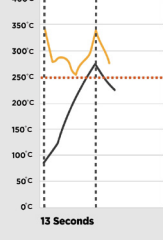
Metcal GT90



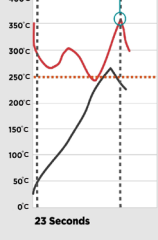
Comparable Systems



Metcal GT120



Comparable Systems



Inductive Solder Tip Temperature Resistive Solder Tip Temperature Component Temperature Target Temperature

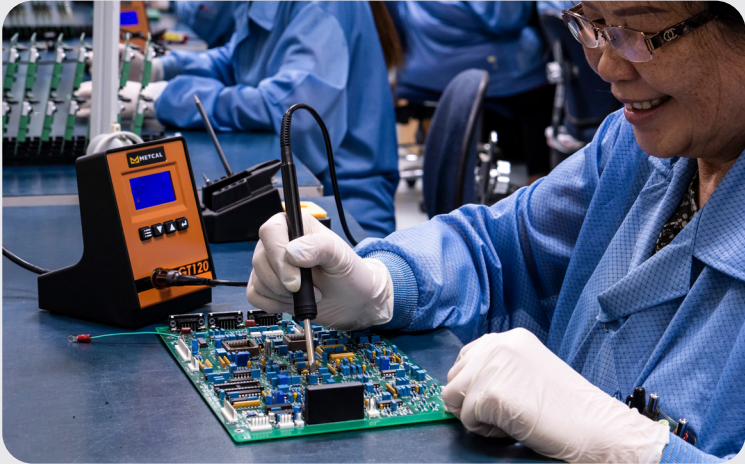


Total Solder Cycle

Total Solder Cycle is the time it takes to solder a joint and includes dwell and recovery times

*Based on thermocouples attached to simulated loads equal to an 0805 type surface mounted component

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* Based on the number of predicted solder joints per hour; including dwell time, recovery time and from simulated 0805 load testing

