Metcal GT90 and GT120 Inductive Heating Technology

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







RESISTIVE SOLDERING SYSTEM

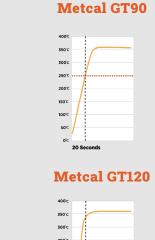


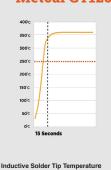
Time to **Temperature**

Time To Temperature soldering iron heats to an initial

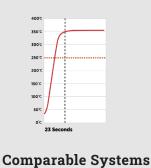
ready-to-solder temperature

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

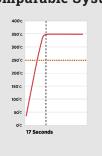




Resistive Solder Tip Temperature



Comparable Systems



GT90

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

GT120

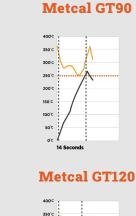
Up to 15% Faster Than Comparable 150 Watt Resistive **Systems**

GT90 More Than 2X Faster Than Comparable

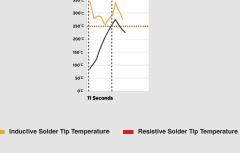
90 Watt Resistive **Systems**

GT120 More Than 80% Faster

Than Comparable 150 Watt Resistive Systems

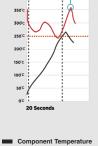


350°C



Comparable Systems

Comparable Systems



Comparable Systems

Target Temperature

■■■ Target Temperature



Time

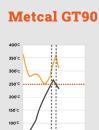
attached to simulated loads equal to an 0805 type surface



Time

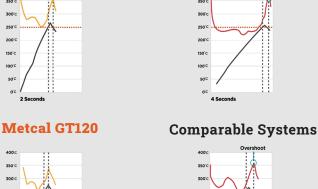
soldering iron tip to return to the set point temperature

Recovery Time





Inductive Solder Tip Temperature



Comparable Systems

Resistive Solder Tip Temperature



Dwell Time

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

GT90

GT120 Recover Up to 60% Faster Than

Comparable 150 Watt Resistive Systems, With Virtually No **Over Shoot**

More than 2X Faster Than Comparable 90

Watt Resistive Soldering **Systems Less Temperature Drop**

GT90

Peak-To-Peak Delivers A More

Consistent Solder Joint Than Comparable 90 Watt Resistive Systems **GT120**

Comparable 150 Watt

Resistive Systems Less Temperature Drop Peak-To-Peak

Up to 80% Faster Than

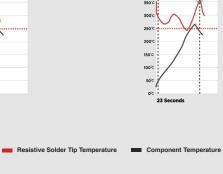
Than Comparable 150 Watt Resistive Systems

Delivers A More **Consistent Solder Joint**





Comparable Systems





Solder Cycle

Total Solder Cycle

Metcal GT90 and GT120 Inductive Heating Technology Can Increase Your Productivity By Up To 260% Compared To Competitive Resistive Products



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

