

### **Does the GT system use SmartHeat technology?**

While the GT units use an inductive heater, these heaters are not controlled by the Curie Point principle. A RTD temperature sensor and an advanced PID algorithm regulate the tip temperature.

### **What is the tip temperature range for the GT systems?**

200 to 450 °C (392 to 842 °F)

### **What are the differences between the GT90 and GT120 systems?**

Besides maximum power input (90 vs. 120W), GT90 is ideal for lower thermal demand applications and smaller components. GT120 is ideal for high thermal demand applications.

### **What tips and cartridges can I use for each hand-piece type?**

The standard handpiece uses standard cartridges and T6 replaceable tips. The slim handpiece is a shorter version that utilizes T4 replaceable tips and ultrafine cartridges.

### **Are the hand-pieces cross compatible within the GT lineup?**

Yes, both handpieces can be used in either system.

### **Can I use a MX or CV cartridge in the GT handpiece?**

The GT cartridges cannot be used with other Metcal's soldering systems and vice-versa.

### **Do the GT units need to be calibrated for tip temperature?**

GT systems designed to the latest IPC-J-STD specifications and do not need to be calibrated for the following reasons:

- Programming during the production process has been completed to account for any drift in component characteristics and is under microprocessor control.
- Heating element for GT cartridges and tip heater cartridges have been designed and controlled to meet IPC requirement of  $\pm 10^{\circ}\text{C}$  temperature delta.
- The life of the RTD temperature sensing element embedded in the cartridge is much longer than the cartridge itself.
- To meet tighter specification needs, GT systems offer a user-configurable temperature offset feature.

### **When the handpiece is placed inside the work stand, how are the standby and sleep timers are activated?**

The standby and sleep timers are controlled by the handpiece motion sensor.

### **Are there any desolder or tweezer handpiece?**

These handpieces are currently not available, but sign-up for the GT email list for the latest information on accessory releases in the near future.

### **Why is the power supply separate from the main unit?**

A separate power adapter allows for a smaller, more compact design.

### **Can I update the firmware in GT systems?**

The firmware is field upgradeable using a memory stick via the USB port.

### **Are there any administrative privileges to lock out operator control?**

GT systems have three temperature presets that can be administratively controlled with a pin. There's also a limited manual range mode that can be controlled with the same method.

### **Do you have multiple languages for the main display and the user interface?**

Current languages available are English, German, Spanish, French, Italian, Chinese and Korean.

### **What is the warranty period for the GT systems?**

Two years for GT120 and one year for GT90.

### **Can I use the USB port to charge my cell phone?**

While the primary purpose of the USB port is to allow for easy firmware updates with a memory stick, lower power USB accessories, such as cell phones may be connected.