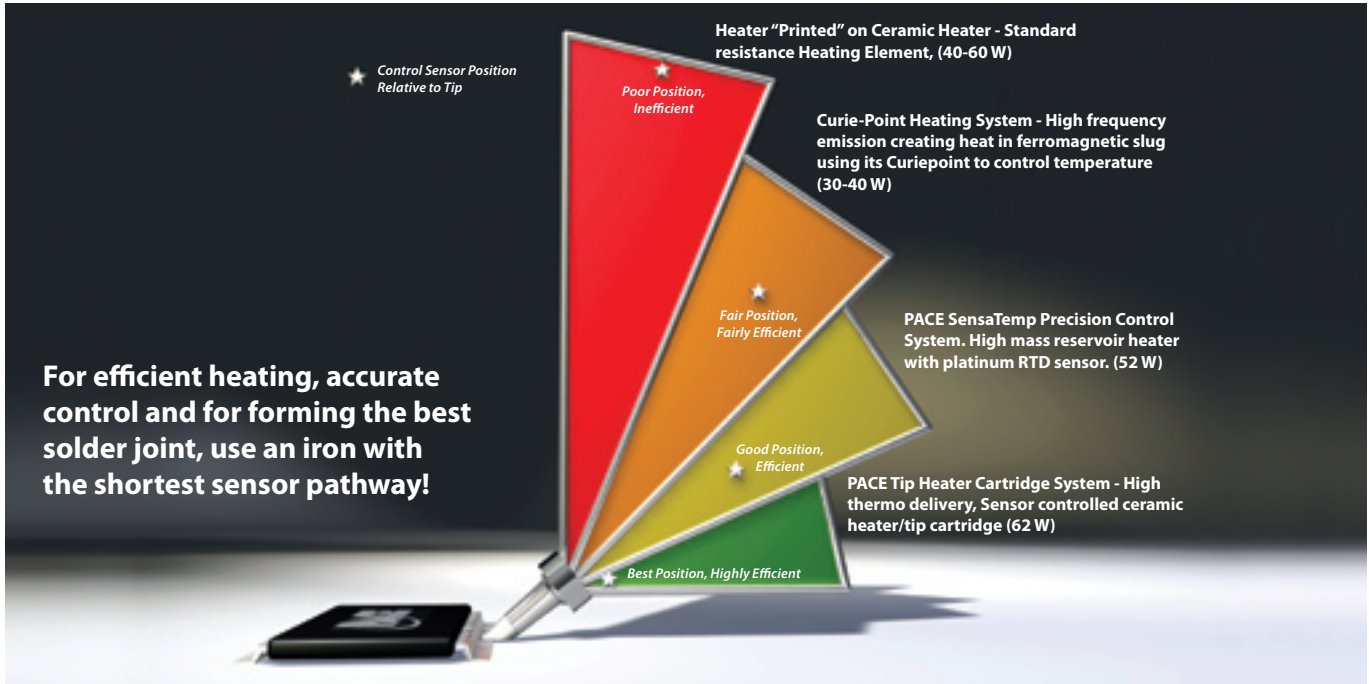


# HEATING TECHNOLOGY

## TIP HEATER CARTRIDGE and SENSATEMP TECHNOLOGY

### TIP-HEATER CARTRIDGE TECHNOLOGY

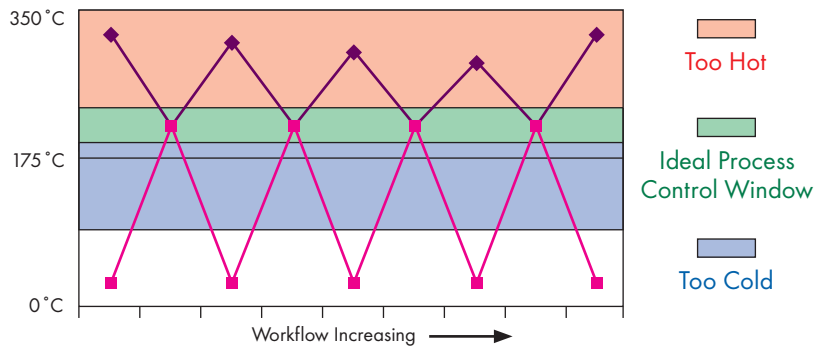
The key advantage of Tip-Heater Cartridge based technology is that its advanced electronics provide instantaneous load sensing and on-demand power to quickly reflow solder joints, regardless of the mass of the application. Further, the position of the control sensor is as far forward as possible to immediately respond to the thermal demand of the work. The tip and heater are permanently coupled, ensuring all the heat generated by the heater is available for use by the tip. For applications where the work cycle is high and for micro-miniature applications the direct power approach is ideal as the thermal demand is continuously monitored and the heater responds immediately by providing adequate power to meet the demand from the work, without overshoot.



**MAINTAINING PERFORMANCE IN THE "GREEN" ZONE IS MORE LIKELY AS SENSOR PATHWAY BECOMES SMALLER**

#### IDEAL IRON PERFORMANCE

- ◆— Tip Temperature
- Solder Joint Temperature



### SENSATEMP® TECHNOLOGY

At the heart of SensaTemp is a laser trimmed, platinum RTD sensor that is more than 5 times more accurate than conventional thermocouples. This level of accuracy allows for safe, productive soldering at the lowest possible temperatures. As a result, the amount of time spent reflowing each joint is reduced, minimizing the possibility of damage. Additionally, SensaTemp allows you to change tips, heaters and handpieces at will, without ever having to re-calibrate! SensaTemp's unique heater design acts as a thermal dampener that minimizes tip temperature overshoot, ensures temperature stability and creates a "thermal reservoir" that can be accessed instantaneously when high mass applications are being performed.

SensaTemp delivers consistent repeatable results regardless of the thermal demand of the work. Its ability to respond quickly is ideal for light work, while its amazing thermal capacity can meet the challenges of the heaviest thermal loads, providing the operator with the flexibility that is essential in today's ever changing environment. Regardless of your application, SensaTemp delivers unsurpassed thermal performance, productivity and "bottom line" savings.