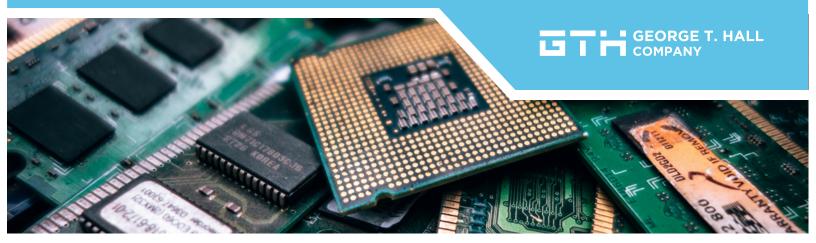
# CASE STUDY PORTABLE HEATER CONSOLE



## **BACKGROUND**

GTH was recently contacted by a local semiconductor manufacturer. They were seeking a heater and temperature control solution for their testing and manufacturing processes. They approached GTH due to our alliance with Watlow, one of the industry's leading manufacturers of thermal controls.

# **CHALLENGE**

The client needed a portable unit with a heater probe and temperature control. They wanted a unit small in size so it could be carried and used in various locations around the facility. Their application required tight control, accuracy and repeatability.

#### SOLUTION

The GTH Account Manager assigned to this project was able to come up with a solution utilizing the Watlow 1/16 DIN PM6 temperature controller and a small Watlow heater unit. The PM6 is a panel mount controller offering integrated functionality as well as a wide range of serial communications capabilities. This controller / heater combination allowed for state-of-the-art control in a small, portable package. The GTH UL panel shop designed and built the console to be plug and play with a line cord, mini thermocouple jacks, quick connects, and an on/ off rocker switch. The customer was also given the option for a two controller configuration that included a limit controller for safety and redundancy. While this was a comparatively small project, the GTH panel shop put it through the same rigorous quality assurance process to ensure the final product met the client's specifications.

### **BENEFITS**

The Watlow components selected by GTH were a perfect fit for this console. Quality and reliability were critical to the client but they also saw a number of other advantages including:

- Plug-and-play configuration
- · Portable, lightweight design
- Easy to use setpoint programming
- Convenient quick connects
- Easy to read display











