

# Soldering Solder Rings on Electronic Components with a Model 4085 Infrared Spot Heater

## Application

A manufacturer of sophisticated electronic components flowing solder rings into delicate areas of the components.

## Problem

**Delicate Components** - The area to be soldered could not be touched with a soldering iron.

**Temperature Sensitivity** - The components could not be soldered on a hot plate.

## Solution

**Heat** - A Model 4085 Infrared Spot Heater used noncontact infrared heat to flow the solder rings into the components.

**Positioning** - The Infrared Spot Heater was mounted on a manually operated control arm, allowing the operator to position the heater directly above the area being soldered without touching it.

**Timed Operation** - A timer was wired into the Spot Heater to provide the precise amount of heat to the components.

## Benefits

**Improved Quality** - The Model 4085 Infrared Spot Heater applied the precise amount of heat to flow the solder rings into the delicate components without touching the components.

**Increased Speed** - The soldering operation was completed in less time with the Model 4085 Infrared Spot Heater than had been possible with other methods.