

# Silica Quartz Infrared Heater

## General Description

Quartz heaters can deliver near and far infrared wavelengths, which is more effective than a single wavelength, capable of generating full heat output capacity in 40 to 50 seconds and cool down in less than 15 seconds. They offer excellent life characteristics whether operated continuously or intermittently with a quick heat and cool down response time.

**NTT Silica Quartz Heater are one of the MOST EFFICIENT sources of radiant energy.**

For most efficient heating and longer operating life, quartz heating applications should be rated around 35 to 40 watts per square inch. Our radiant quartz heaters are specially designed for applications that require infrared radiant heating. Quartz Heaters consist of a helically wound resistance coil housed in a pure vitreous silica fused quartz tube. The heating coil is specially designed to provide long life at rated voltage. The quartz tubing is terminated with specially designed ceramic insulating caps that allow the quartz tubing to breathe. The ceramic caps are securely fastened to the quartz tube to the power connecting termination. Quartz heating elements do not give off an objectionable glare because of a very low emission in the visible spectrum. Optimum design provides a clear red colour on the translucent quartz tube when operating at full voltage, providing an infrared wavelength at energy peak of 2.5 to 3.0 microns. The wavelength is almost completely absorbed by the process and considered best for most industrial applications.

## Typical Applications

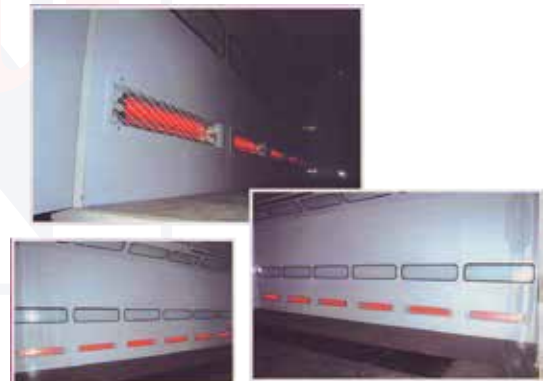
- Shrink Packaging
- Laminating
- Thermoforming
- Plastic Forming
- Fusing Plastics
- Food Warming
- Thawing
- Electrostatic Copying Equipment
- Food Processing
- Drying Photo Film Equipment
- Curing Rubber
- Drying Textiles
- Drying Lacquers and Paints
- Drying Sand Cores
- Space Heaters
- Thermal Copying equipment



img. Silica Quartz Infrared Heater



img. Automotive Spray Booth (Surface Only)



img. Automotive Spray Booth (Infra Lighting)



img. Infra Para Lighting

**Important Note: All Silica Quartz Infrared Heater is designed for Horizontal Mounting usage only.**

[www.ntt.com.my](http://www.ntt.com.my)

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