

### **Infrared Halogen Heaters**

Halogen heater is a clean source of heat with extremely high efficiency that utilize emitted light as heat. They are widely used as a source of heat for industry.

### **>> Types**

Standard range  
Acc. to customer specification

### **>> Features of Halogen Heaters**

- **High-efficiency energy source**

Converts more than about 75% of input energy into thermal energy

- **High-speed heating is possible**

Rises to more than 85% within 1 to 2 seconds after being turned on

- **Use under low pressure/atmospheric environments is possible**

- **Contactless heating is possible for objects to be heated**

Does not contaminate the exposed object or the surrounding environment

- **Customization of the heat distribution is possible**

Customize the layout of the heat distribution in the direction of the heater axis

- **Long-life heater**

Maintains initial output up to the end of its lifespan

### **>> Fields of application**

Resin molding / paper drying and food warming (e.g. PET)

Paint drying/curing

Film stretching / Solar panel manufacturing

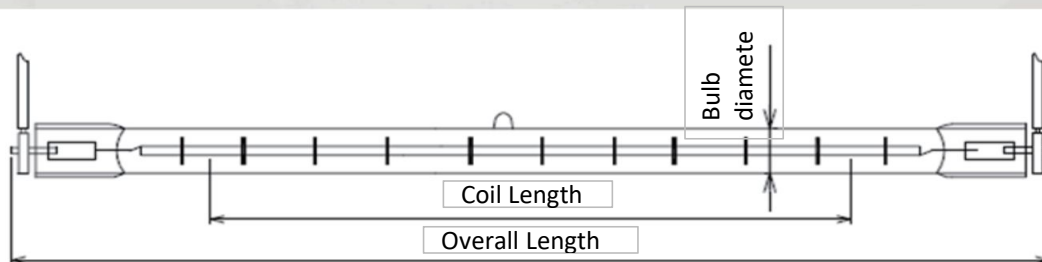
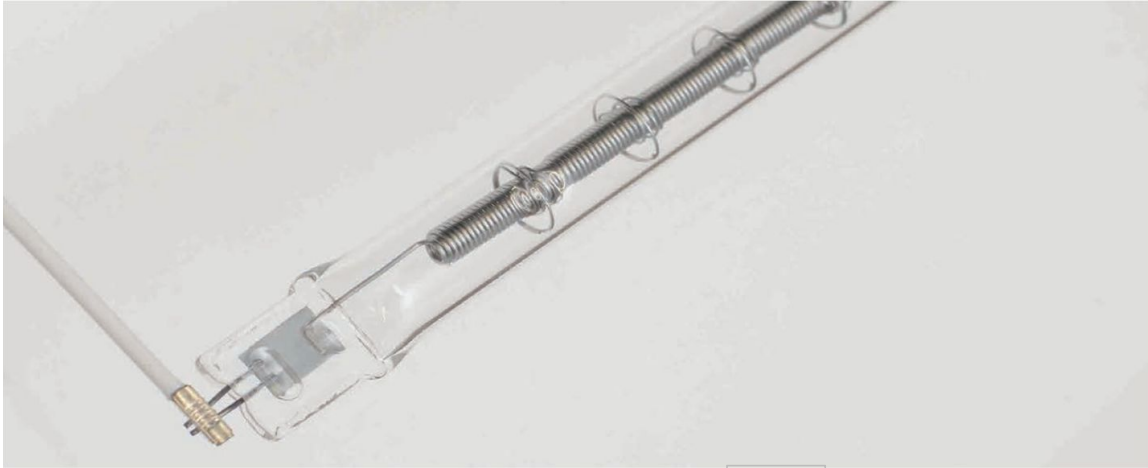
Heating appliances / metal rolling /annealing

Semiconductor manufacturing

# Introduction to GHA Products

## Clear Types

These are our standard halogen heaters that emit radiant energy in all directions



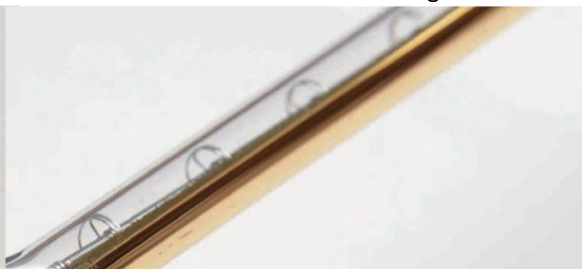
## Types with Reflective Coating

These are our highly efficient heaters that are coated with reflective material to emit radiant heat concentrated in one direction.

White Reflective Coating



Gold Reflective Coating



### High Efficiency

Adopting a highly reflective material or a gold reflective coating with the best reflectance increases exposure efficiency

### Space Saving and Cost Reduction

Miniaturization and cost reduction is achieved by omitting an optical system

### Cooling System Simplification

Suppresses temperature increases in the reflector on the reflective coating side.



