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# Energy Saving Injection Mold Barrel Infrared Radiant Heater Reducing The Heating up Time More Than a Half

## Specifications of Energy Saving Injection Mold Barrel Infrared Radiant Heater

Energy Saving Injection Mold Barrel Infrared Radiant Heater is one of the best heating solutions for plastic machines which has better structure and higher heating efficiency than the traditional band heater such as ceramic or mica band heaters. Infrared energy saving band heater is called nano infrared heating band, far infrared energy heating band, nano band heater etc.

Energy Saving Barrel Heater for Extrusion Machine changed the traditional heating mode, which heat the barrel directly by infrared radiation, rather than heating conduction from the resistance wire to the heater than to the barrel like traditional heaters, and the heat losing badly during the process. The heating efficiency of our infrared energy-saving band heater is as high as 99.8%, which is much higher than traditional heaters, the heating efficiency of which is only around 60%.

The construction of our infrared energy-saving band heater is infrared heating tube insulated by aerogel insulation and covered by stainless steel 304 shroud. Aerogel blanket is the insulation materials with smallest heat conductivity coefficient, which could reduce heat losing obviously.

As the infrared heating tube heat the barrel directly, and the aerogel insulation stopped heating losing efficiently, the surface temperature of our infrared energy-saving band heater could be as low as 35-50 deg c.

## Specifications of Energy Saving Injection Mold Barrel Infrared Radiant Heater

1. Improve electro thermal conversion rate – over 99.8% (nano carbon silicon material)
2. Improve heat transmission efficiency (zero medium heat radiation, specific wave length infrared radiation).
3. Reduce heat loss (aerogel insulation layer).
4. Energy-saving rate: 30%-60%.
5. Surface temperature is around 50?- significantly improves workshop environment.
6. Simple installation – just like installing normal resistance heaters.
7. SS cover which is stable and long usage life.

## Features of Energy Saving Injection Mold Barrel Infrared Radiant Heater

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Low surface temperature, the surface temperature could be as low as 35-50 deg C.

High energy-saving rate, the maximum energy saving rate could reach 60%.

High heating speed, our infrared energy-saving heater could heat the barrel from room temperature to the working temperature rapidly, saving 50% heating-up time

Long service life, the normal life time of infrared energy-saving band heater is more than 3 years.

Simple installation, our infrared energy-saving band heater does not change the wiring, which could replace your original heaters directly.

Wide Applications: injection molding machine, granulator, extruder, drawing machine, blown film machine, blow molding machine, Laminating machine and other plastic machinery and other equipment.

### **Applications of Energy Saving Injection Mold Barrel Infrared Radiant Heater**

Injection molding machine

Granulator

Extruder,

Drawing machine

Blown film machine

Blow molding machine

Laminating machine

Other plastic machinery and other equipment

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