

Halogen infrared emitters

Halogen lamps mounted in the top and bottom heaters of the machine are the fastest and most effective source of heat in thermoforming machines. More than 90% of the electricity consumed is converted into thermal energy (infrared radiation). The halogen emitters have a quick start and stop, they do not need time to warm up, which allows them to be switched on and working only when the heaters are above and below the material. After reaching the desired temperature, set for the heating pyrometer, the radiators turn off and the furnaces return to their resting position.

Thanks to these specific properties of halogen lamps, you can save up to 50% of electricity and shorten the heating time by up to 40% compared to ceramic heaters.

In addition, halogen lamps allow you to control easily the intensity of the heat flux in the range from 0 to 100%. They are safe and neutral to the environment. Additionally, it is possible to enable modulation of the furnace movement, which eliminates dead zones between the radiators and ensures more uniform heating of the material.



Film presentation:

<https://www.youtube.com/watch?v=0zzT28v=Og>