

No mistake: a cold Infrared emitter

Heraeus Noblelight has just developed this emitter. Like conventional emitters, the actual infrared emitter gives off electromagnetic radiation, which is converted into heat in the product. The innovation is that the emitter has an additional oval sheathing tube, through which a coolant is circulated. This coolant is transparent to medium- and short-wave infrared radiation. Consequently, the effective infrared radiation reaches the printed material and the emitter itself remains cool on the outside. As a result, no additional convective heat is introduced into the printing plant by the emitter and the thermal radiation is precisely targeted and directed on the product to be heated.

This brings enormous benefits when there is limited space and the surrounding area is not to be heated.

Features

- up to 200 kW/m²
- short wave as well as medium wave
- no additional cooling by air necessary
- gold reflector
- surface temperature of gold reflector stays below 65°C
- conventional mains voltages
- designs on request

Heraeus Noblelight is a specialist in custom-built emitters which are exactly matched to the process in terms of spectrum and power and whose lengths can be suited to each conveyor width. Modules can be built from all infrared emitters to dimensions that suit customer's plant and process. They are designed to be fitted into an existing plant or for installation into new lines.

Contact us for details !



We reserve the right to change pictures and technical data of this leaflet.
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