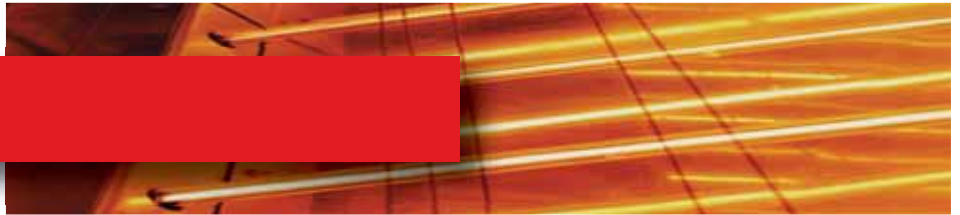




# Furnace Engineering

*Leaders in Heat Processing Solutions*

Infrared



## Heraeus

### Applications:

Drying, Curing, Preheating, Baking, Sterilising, Activating, Foaming, Glueing, Laminating, Melting, Shrinking, Soldering, Tempering.

Furnace Engineering has partnered with Heraeus to provide world-class infrared thermal technology.

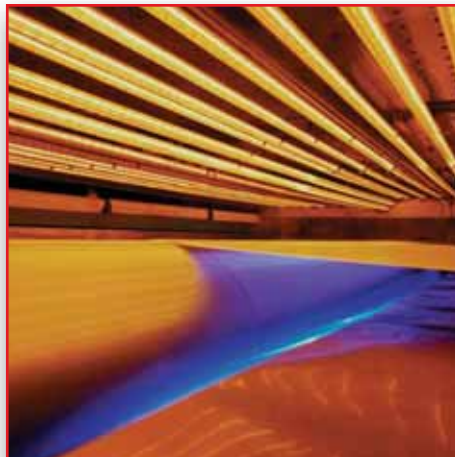
Infrared is a unique heat technology that provides fast, efficient heat. Infrared emitters are capable of specific thermal processes that no other technology can match.

Infrared is an accepted technology in the following applications:

- Food
- Automotive
- Carpet
- Printing
- Paper
- Rubber
- Plastics
- Coating
- Textiles
- Metal

We are capable of supplying simply a replacement lamp, all the way up to a full Infrared system with control panel, mounting assembly etc.

For more information see [www.heraeus-noblelight.com/infrared](http://www.heraeus-noblelight.com/infrared)



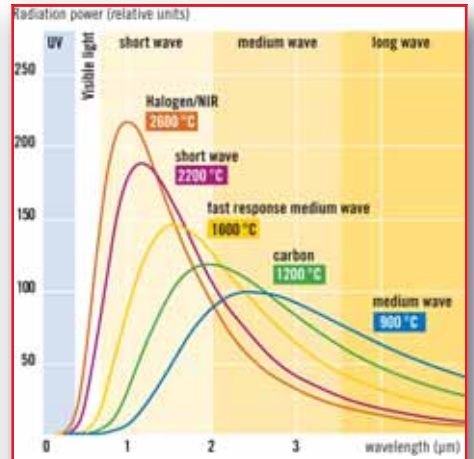
Plastics



Textiles



Powder Coating



Infrared Spectrum



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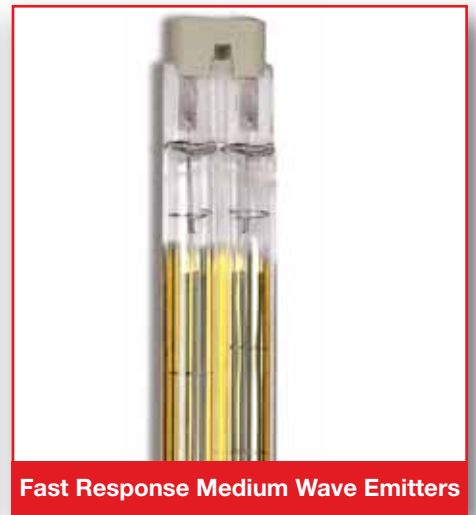
**Carbon Emitters**

Carbon emitters feature medium wave radiation, with high power densities. Response times of seconds are achievable. These emitters are particularly suited to water-based drying.



**Short Wave Emitters**

These emitters are similar to halogen emitters in terms of spectrum, but with much longer life and better strength and durability.



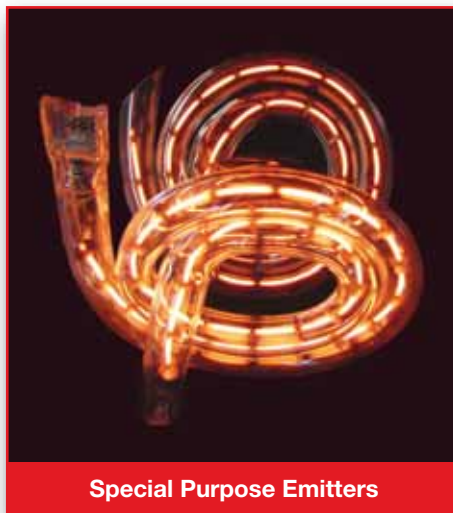
**Fast Response Medium Wave Emitters**

With an emission spectrum between those of short wave and medium wave, these emitters are available in various lengths and configurations.



**Medium Wave Emitters**

Medium wave emitters have a long service life and are suitable for most materials. These emitters are available in various lengths and configurations.



**Special Purpose Emitters**

Various emitters can be manufactured to suit the product shape, efficiently heating only the area needed.

Hybrid emitters, which combine the different types in the one emitter, are available.



**Testing**

Product testing is available for all types of materials and processes. Testing ensures the best possible production outcome.

**Furnace Engineering is an Australian company with over 40 years of heat processing experience. For assistance with your application, please contact our experienced sales staff.**



**Furnace Engineering**

[www.furnace.com.au](http://www.furnace.com.au)