

## Fast and easy Infrared heat

Date: 12-08-2006 04:25 PM CET

Category: [Industry, Real Estate & Construction](#)

Press release from: [Heraeus Noblelight](#)



Some industrial processes need heat only for a short time, focussed on a limited area. It is not always necessary to install a complete oven for one heating stage in a manufacturing process.

A typical example relates to tiles for wall and ceiling cladding, where the edges must be varnished and dried. Envelopes for publicity campaigns and direct mail shots have addresses printed on them using inject printers and this print needs to be dried. For other products, heating sources which heat only thin or small areas are required. Thin strips, belts or profiles do not necessarily need a large heating system to pre-heat them or dry them.

Heraeus Noblelight has developed a new infrared module, the M110, which makes infrared heat easier and faster to use. M110 modules are compact and ready for use. They are so standardised that they can be supplied extremely quickly to allow retrofitting in existing systems. They are easy to install whenever a second production line is required, quickly and at low capital cost. The compact modules help to allow the creation of heating processes which operate with manageable energy consumption, especially when these processes are only used for short periods.

M110 infrared modules are equipped with active ventilation and contain one or two infrared emitters. The emitters are selected to suit the application and feature a gold reflector, which virtually doubles the effective Infrared radiation. They plug into a housing which is 110mm wide and can be up to 3 metres long, depending on the application. If necessary, several modules can be combined to create heating fields. Infrared radiation is transmitted without contact and generates heat directly in the product to be heated. Heraeus Noblelight offers different emitters which can be matched to the required process in terms of wavelength, size and power. Consequently, heating stages can be reproduced and automation can be effected.

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Heraeus Noblelight GmbH, with its headquarters in Hanau and with subsidiaries in the USA, Great Britain and China, is one of the technology- and market-leaders in the production of specialist light sources. In 2005, Heraeus Noblelight had an annual turnover of 79 Million € and employed 644 people worldwide. The organisation develops, manufactures and markets infrared and ultraviolet emitters for applications in industrial manufacture, environmental protection, medicine and cosmetics, research, development and analytical laboratories.

The precious metal and technology organisation Heraeus, is a market- and technology-leader, worldwide, in the fields of precious metals, dental materials, sensors, quartz glass and specialist light sources. With a turnover of over 9 milliard € and with more than 10,600 employees worldwide in more than 100 companies, Heraeus has been acknowledged worldwide for more than 150 years as a precious metals and materials specialist.

The high innovation and development potential in the organisation is promoted and encouraged intensively and in a targeted fashion. Heraeus is consolidating its leading position in various industrial sectors by customer-focused product development and considered and targeted acquisitions.

[You can find this press release here](#)