



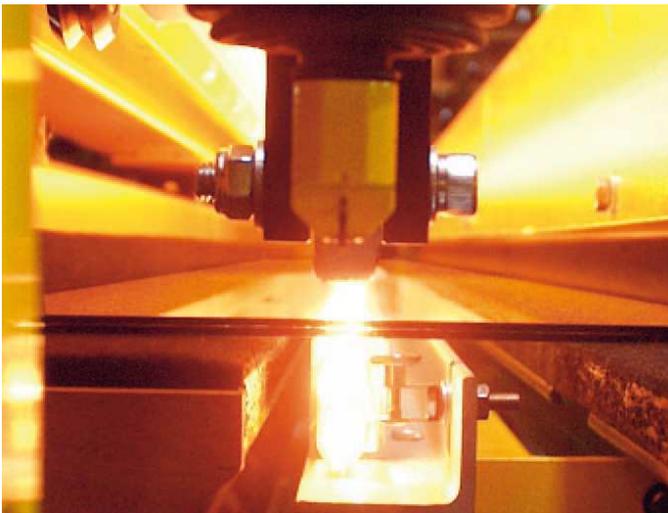
Infrared heat helps cutting laminated glass

The manufacture and processing of laminated glass requires a few heating stages, which can be accomplished very well with infrared emitters. Laminated glass is produced from several sheets of glass, which are separated and joined by a PVB plastic foil. This process requires several heating steps that can be done by infrared radiation very efficiently.

Laminated glass made in very large sheets often needs to be split up into smaller pieces.

A method currently used is to score the glass, break it and then separate the foils. The foils can be separated particularly well with the aid of infrared radiation. A fast response medium wave infrared emitter, with a gold reflector, heats the foil only in the small crack resulting from the glass breakage. The foils can then be easily separated by pulling them apart or with cutting tools.

Heraeus twin tubes can be produced in lengths of up to 6.3m and allow the cutting of the large sheets in one step.



Features

- Medium wave infrared radiation matches perfectly to glass absorption spectra
- Fast response medium wave heaters can be produced in lengths fitting to the size of the glass

Technical Data

- Medium wave Infrared heaters
- Fast response
- Twin tubes of high stability
- Special gold reflectors

Germany
Heraeus Noblelight GmbH
Infrared Process Technology
Reinhard-Heraeus-Ring 7
63801 Kleinostheim
Phone +49 6181 35-8545
Fax +49 6181 35 16-8410
hng-infrared@heraeus.com
www.heraeus-noblelight.com/infrared

USA
Heraeus Noblelight America LLC
1520C Broadmoor Blvd.
Buford, GA 30518
Phone +1 678 835-5764
Fax: +1 678 835-5765
info.hna.ip@heraeus.com
www.heraeus-thermal-solutions.com

Great Britain
Heraeus Noblelight Ltd.
Clayhill Industrial Estate
Neston, Cheshire
CH64 3UZ
Phone +44 151 353-2710
Fax +44 151 353-2719
ian.bartley@heraeus.com
www.heraeus-infraredsolutions.co.uk

China
Heraeus Noblelight (Shenyang) LTD
2F, 5th Building 5
No. 406, Guilin Rd, Xuhui District
200233 Shanghai
Phone +8621 3357-5555
Fax +8621 3357-5333
info.hns@heraeus.com
www.heraeus-noblelight.cn