



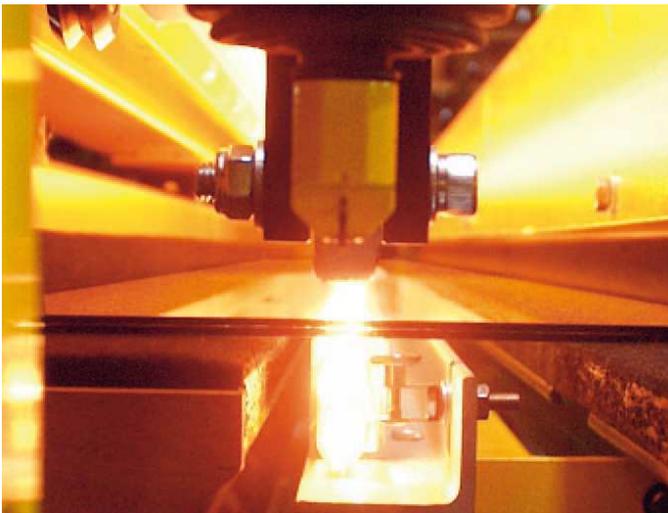
Infrared heat helps cutting laminated glass

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

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