



## Infrared Heat Dries Screen Printing on laminated Car Glass

Fuyao, one of China's largest manufacturers of automotive glass, manufactures laminated glass, which is in high demand in the automotive industry because laminated glass does not shatter when the car's windshield is damaged. Automobile windshields are cut from sheets of laminated glass, and then a black border is printed around their edges. Fuyao has been purchasing conventional medium-wave heaters from Heraeus for several years. Last year, the company's management decided to gradually modernize its Chinese plants, in the interest of faster production and better quality. After conducting thorough testing, Fuyao chose to purchase Heraeus' carbon heaters.

Few people notice the black borders found on automobile windshields. But these borders are important: Windshields are usually held in place with an adhesive and are expected to be durable and stay put. It is not easy to live up to these expectations, however, since the adhesive and rubber are constantly exposed to the sun and its UV rays. The black borders protect against UV rays and also allow for greater leeway in applying adhesive. Medium-wave heaters are an optimal solution for drying screen printing on glass for the black borders. Although both reliable and durable, medium wave heaters are slow and not particularly powerful. Heraeus Noblelight's carbon infrared heater CIR® combines the effectiveness of medium-wave heaters with high performance and rapid response times.



### Features

- Infrared emitters dry black screen printing on laminated car glass

### Technical Data

- Carbon infrared emitters
- medium wave length
- high power
- short response times of 1-2 seconds

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