Infrared Heat for the Automotive Industry
Infrared emitters to dry paint on bodywork is well known. However, that is only one of the innumerable applications of infrared technology in the manufacture of motor vehicles.

From the manufacture of driving mirrors to the forming of carpets or the welding of windscreens wiper fluid cylinders – on the long road from the manufacture of individual components to the production of complete vehicles, there is scarcely a component which does not come into contact with infrared at least once.

Infrared heat is used in more than 200 different processes in the automotive industry. For example, infrared heat helps to remove crease from fabric and leather seats. Welding windscreens water tanks or forming dash boards – infrared emitters help automotive manufacturers and suppliers to produce competitively.

The advantage of Heraeus infrared heat is its flexibility to adjust to the highly specialised processes used in car making.
Infrared heat is intensive

The painting of car bodies, screen printing of windshields, and the powder coating of alloy wheels or brake pads all benefit from the rapid transfer of infrared energy. Infrared energy for curing and drying of coatings can save time and money.
Virtually every part of a car comes into contact with infrared heat during its manufacture. Trims, spoilers, wires or housings – infrared emitters activate adhesives or remove creases from hoods. It is important to select the right emitter, to suit the product in the optimum fashion and to achieve the desired effect. Heraeus Noblelight offers a large range of infrared emitters so that it can select the perfect one for you.

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Infrared heating is flexible

Crease removal and pre-aging

Activating adhesives on car interior

Pre-heating of trims

Find nearly all about infrared on our CD.

Order free of charge!

Most of the applications in this brochure are available as case story with technical data.

Just order via email: info.infrared@heraeus.com
The Infrared Process Technology division of Heraeus Noblelight (business segment specialty lighting sources) develops and manufactures infrared emitters and systems for infrared heating processes. For over 50 years we have focused on their specific application requirements. With a wealth of experience encompassing more than 3000 different heating processes, we can match our emitters precisely to meet your needs in terms of spectrum, power, length and shape.

Make use of the intelligence of infrared technology. In contrast to conventional thermal processes, infrared transmits large amounts of energy in a short time. This heat is used exactly where it is required and only for as long as it is required for a particular process. This offers energy savings of up to 50%.

Profit from the acknowledged Heraeus quality – the proven twin tube design with a unique length of up to 6.5 meters – contoured emitters, which are shaped to match the geometry of your work piece – the new QRC® emitter, with its nano reflector for stable heating processes under aggressive ambient conditions. Convince yourself personally of the efficiency of infrared emitters for your process in our Application Centers.

Make use of our expertise and experience to optimize your production process and realize real competitive advantage.