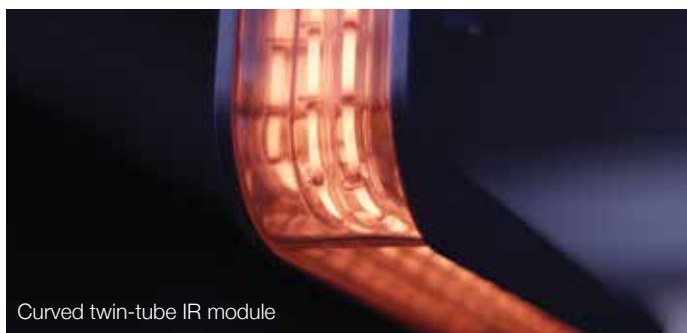




Conveyor belt system

In-house research,
conceptualisation
and design.



Curved twin-tube IR module



Fibre coating setup

Infrared Application Laboratory

We offer more than products.
We offer purpose-driven solutions.

The Infrared Application Laboratory is a place of intensive in-house research, conceptualisation, and design. The IR lab enables Ushio to present you with a total solution, from consultation to product, and unparalleled IR expertise all under one roof.

The project is an opportunity to improve your existing infrared designs, optimise existing infrared processes, and thoroughly analyse infrared performance under laboratory testing conditions.

As part of the IR laboratory package, you can benefit from the expert guidance and consultation of Ushio's dedicated technical team, who possess an unrivalled knowledge of infrared irradiation and heating process technology.

The lab is a platform for collaboration, joint investigation, and analysis of IR processes providing various setups that emulate your production environments. This allows us to perform controlled experiments together which can rarely be realised successfully in your own environment.

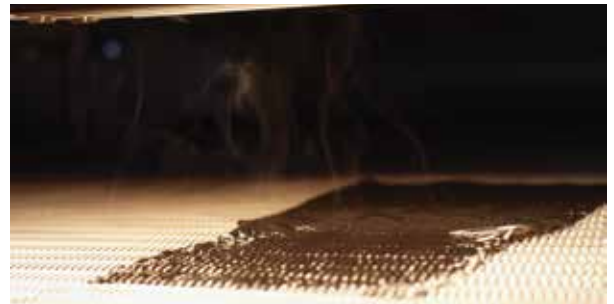
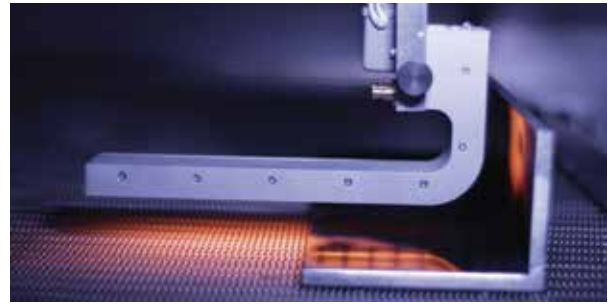
For acquisition, analysis, and visualisation of measurement data, the Infrared Application Lab is equipped with an array of sensors and detection tools.

The lab houses an adjustable conveyor belt system used to transport customer materials and products, and is capable of mounting various types of Ushio IR equipment.

Furthermore, a 2D scanning device allows the measurement of radiation patterns of IR lamps and modules for the investigation, modification, and optimisation of IR equipment designs.

The Infrared Application Laboratory is just one of the facilities in Germany available for use, along with other testing labs for Excimer (VUV), UV, and UV LED solutions.

Application Examples



Developing Solutions Together

Ushio is a partner that listens to your ideas and requirements. Let us optimise your processes according to your specifications and expectations. Use our expertise to develop a tailor-made solution that matches your needs.

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Intended use: Specifically designed and exclusively approved for use in industrial or professional electrical heating equipment only.

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