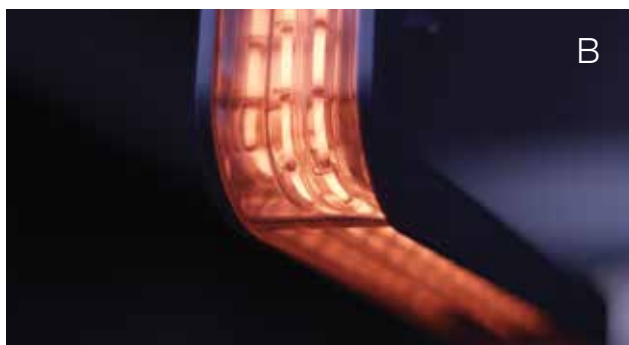


# USHIO

## Infrared Application Laboratory

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



**A** Conveyor belt system

**B** Curved twin tube IR module

**C** Fiber coating setup

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

In-house research,  
conceptualisation  
and design.

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

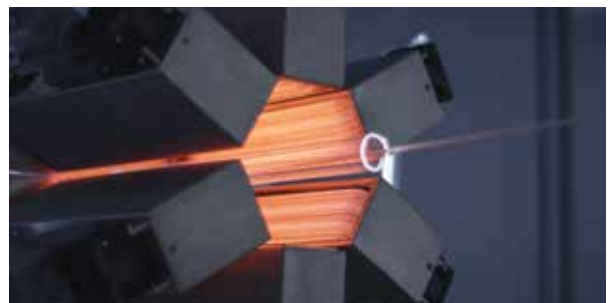
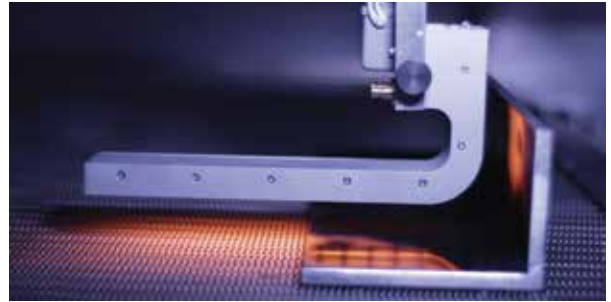
As part of the IR laboratory package, you can benefit from the expert guidance and consultation of USHIO's dedicated technical team who have an unrivalled knowledge of IR heating radiation and IR process technology.

The IR lab is a platform for collaboration, joint investigation and analysis of IR processes providing various setups that emulate your production environments allowing to perform experiments which can rarely be realised at your own environment.

The lab houses an adjustable conveyor belt system used to transport customer materials and products, capable of mounting various types of USHIO IR equipment. Furthermore, a 2D scanning device allowing the measurement of radiation patterns of IR lamps and IR modules in 2 dimensions enables the investigation, analysis and optimisation of IR equipment designs. For acquisition, visualisation and analysis of measurement data, the IR application lab is equipped with an array of sensors and detection tools.

The Infrared Application Laboratory is just one of the facilities in Germany that are available for use along with other testing facilities for Excimer/MUV, UV and UV-LED.

## Application examples:



## Develop together with USHIO

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

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