



Infrared Applications Center

Practically-based Support

You have to understand the different applications to exploit infrared heating productively. Heraeus Noblelight has set up Applications Centers to increase its knowledge through investigations and tests and to share experiences with customers.

Decades of experience with radiation sources and solid technical theory flow together in our Application Center to offer the optimum conditions and capabilities to solve even the most difficult of problems. Competent, technically experienced employees carry out and monitor the tests either in the Application Center or on site.

With our Application Center we offer all our customers the opportunity to answer important questions, from a practical viewpoint:

- Can my production process be optimized with infrared?
- Is my material suitable for infrared?
- Which emitters are best suited for my process?
- How should these emitters be designed?
- How can they be integrated into my production process?



Before every test, we carry out an in-depth discussion with customers so that we can be sure that our emitters match the product and the process and not vice versa. Together we can work out the test regime which will simulate your materials processing conditions as closely as possible. A big help with the first estimate is our data bank.

Decades of experience with heating processes in a wide range of industrial sectors help us to identify the correct test parameters. We will then work with you to interpret and discuss the test results.

The technical possibilities

We have the technical equipment and plant to meet the widest range of requirements to carry out tests on customer materials:

- Oven with bespoke conveyor system
- Infrared booster combined with a hot air oven
- Electrical infrared modules and individual emitters from near infrared to medium wave radiation
- Innovative IR systems from Infradry to IR LEDs
- Conveyor belts, hybrid conveyor system (IR/UV)
- Coating equipment to apply both wet- and dry coatings
- Computer supported measuring systems
- Evaluation and documentation



We find solutions for many application fields:

- Curing and
- Polymerisation
- Surface modification
- Drying
- Activating adhesives
- Heating
- Melting
- Forming
- De-burring
- Welding

Our application center serves the customer

- Decades of experience with infrared heat
- More than 3,000 filed tests
- Application data base

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