



Infrared Heating Modules

Map the perfect heat field with the IRtenser series



Ushio's engineering division developed a series of infrared modules and auxiliary components that serve as basic building blocks for many typical IR heating processes. The Ushio IRtenser heating modules emit of short-wavelength infrared radiation in the 0.8–1.5 μm range, with a power density of 200 kW/m². All IRtenser modules feature an integrated air cooling system, EmitFit quick-release lamp mechanism, and are delivered ready for immediate use.

Applications

- ◆ Curing
- ◆ Drying
- ◆ Plastic welding
- ◆ Preheating
- ◆ Printing
- ◆ Thermoforming

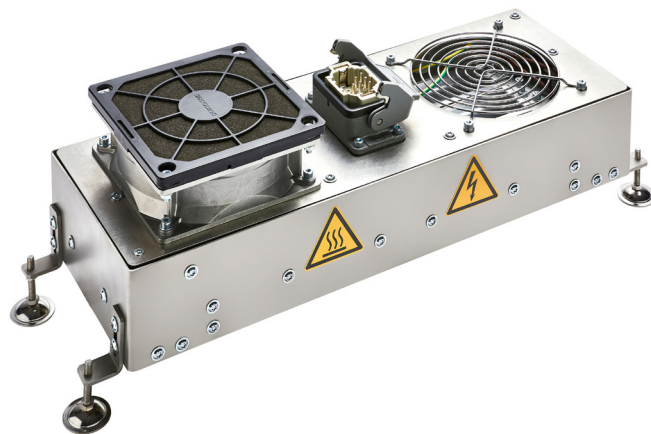
Features

- ◆ Compact design
- ◆ Simple, plug-and-play installation
- ◆ Easy maintenance
- ◆ High-power, maximum efficiency
- ◆ Short wavelength infrared radiation (SWIR)
- ◆ High-performance reflector
- ◆ Homogeneous heat distribution
- ◆ Integrated air cooling system

Specifications

- ◆ Article number: 108701
- ◆ Name: IRtenser R280
- ◆ Model: IRM-UD-006-03-0409-0
- ◆ Dimensions: 409 x 146 x 117 mm
- ◆ Power: 6 kW
- ◆ Power density: 200 kW/m²
- ◆ Voltage: 240 V AC
- ◆ Fan: 24 V DC
- ◆ Lamps: 3 x IR lamps with EmitFit quick connections
- ◆ Cooling: Integrated fan
- ◆ Colour temperatures: 3000 K / 2400 K / 2000 K
- ◆ Burning position: Horizontal
- ◆ Power control: Optional
- ◆ Electronic cabinet: Optional

No matter which infrared heating process you are tackling, the IRtenser R280's compact size and independently-controlled IR lamps make the creation of planar and curved heat profiles easy. Ushio's modular building block format allows the implementation of multiple emitters to generate your preferred heating field. If you require a particular colour temperature or output power, please contact us and we will arrange a solution tailored to your exact specifications.



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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