



# Infrared Heating Module

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Ushio: Your one-stop supplier  
for modular IR heating solutions.



Equipped with three short wavelength infrared (SWIR) lamps, Ushio's infrared heating module achieves a maximum power density of 150 kW/m<sup>2</sup> and can be cooled using an internal or external fan. By using bent shortwave IR lamps in combination with a novel ceramic reflector, the module emits a homogeneous heat distribution all the way to the edges of the device.

## Applications

- ◆ Thermoforming
- ◆ Welding
- ◆ Curing
- ◆ Lamination
- ◆ Printing
- ◆ Drying

## Advantages

- ◆ Compact, bent IR lamps
- ◆ High power density 150 kW/m<sup>2</sup>
- ◆ Short wavelength infrared radiation (SWIR)
- ◆ Cascadable
- ◆ Integrated cooling
- ◆ Homogeneous heat distribution

## Specifications

- ◆ Article number: 610003151
- ◆ Name: IRM-UD-003-03-0297-A
- ◆ Dimensions: 295 x 72 x 133 mm
- ◆ Power: 3 kW
- ◆ Voltage: 235 VAC
- ◆ Number of Lamps: 3 bent IR lamps
- ◆ Cooling: Integrated Fan
- ◆ Position: Horizontal
- ◆ Extended Heating Fields: Cascadable
- ◆ Temperature control: Optional
- ◆ Electronic cabinet: Optional

No matter which heating application you seek to master, the module's compact size and independently controlled IR lamps combine to create planar and curved heat profiles. The heating module can also be used in a "building block" format by combining multiple modular units to generate the required heating fields. If your application requires a different color temperature or lamp power, please contact us and we will design 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.

**USHIO**  
*Applying Light to Life*

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