

Infradry *compact*

High performance dryer module for water-based inks and coatings

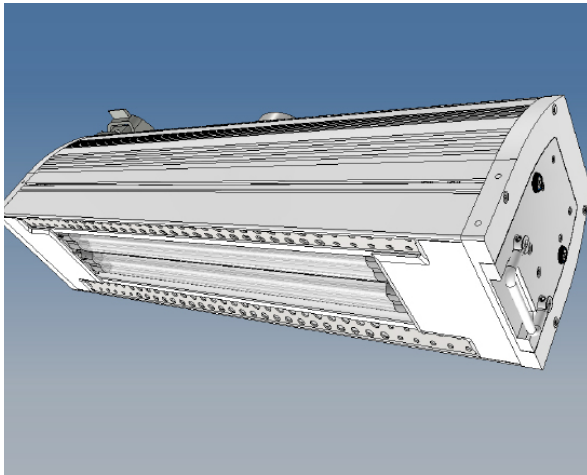
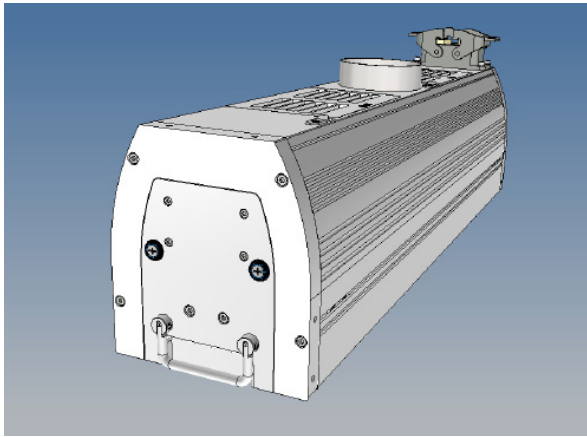
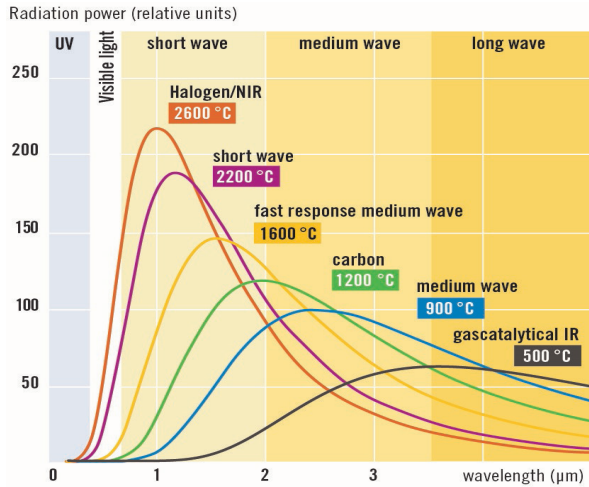
Infradry compact combines powerful Twin Tube IR emitters with integrated warm air introduction and extraction.

Technical Data

- High power density
- Stepless power control
- Variable wavelength TwinTube IR emitters
- Efficient reflectors
- Innovative combination of IR and warm air
- Integrated warm air extraction
- Emitter slide-in drawer
- Easily scalable for larger working widths

Advantages

- High drying performance
- High efficiency factor
- Light, compact modular design
- Easy and quick lamp exchange
- Less installation space needed
- Flexible use
- Plug & Play installation
- Configurable interfaces
- Low maintenance



High performance dryer module

The new module is very compact (145 mm x 160 mm). Consisting of powerful Twin Tube IR emitters, combined with integrated warm air introduction and extraction for drying water-based inks or coatings.

A specially developed air duct feeds an evenly distributed air flow into the drying area. The warm air absorbs steam and moisture and the controllable extraction removes it from the drying zone. In this way, saturation of the atmosphere is prevented and leakage of hot air to surrounding, heat-sensitive machine components prevented. This ensures significantly faster and more efficient drying, a defined containment of the dryer area and better utilization of the energy used. The air supply can be either by internal or external fans.

Infrady compact has a high IR power density, the reflectors of the emitters concentrate the IR radiation on the substrate and thus allow excellent drying results. Depending on the application, the module can be equipped with emitters of different wavelengths. As a result, the IR module is very flexible, applicable to different drying requirements and thus can be used with a wide range of printing inks and coatings.

Configurable IR system, selectable options:

- Air supply can be by internal or external fans
- Pyrometer for monitoring the substrate temperature
- Light shield
- Counter reflector for a closed system or for web-fed applications [roll-to-roll]

Applications:

- Drying of printing inks in inkjet and flexo printing
- Drying of water-based coatings

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