

Infradry compact

High performance dryer module for aqueous paints, inks and varnishes

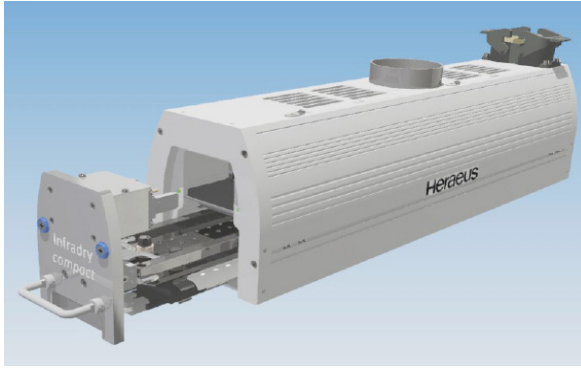
Infradry compact combines powerful twin-tube IR emitters with warm air and an integrated extraction unit.

Technical Features

- Infinitely variable power control
- Wavelength-variable TwinTube IR emitters
- Efficient emitter reflectors
- Innovative combination of IR and hot air
- Integrated extraction
- Illuminator insertion
- Easily scalable for larger working widths

Advantages

- High drying capacity
- High efficiency
- Light, compact modular design
- Quick emitter change possible
- Low space requirement
- Flexible use
- Plug & play installation
- Configurable interfaces
- Low maintenance



High performance dryer module

The dryer module is particularly compact and available in various configurations. It consists of a combination of powerful twin-tube IR emitters, hot air and integrated extraction for drying water-based paints, inks or varnishes.

A specially developed air guide directs an evenly distributed air flow into the drying area. The warm air absorbs vapours and moisture and the adjustable extraction removes them from the drying zone. This prevents the atmosphere from becoming saturated and the warm air from escaping to surrounding, heat-sensitive machine components. This ensures significantly faster and more efficient drying, a defined demarcation of the drying zone and better utilisation of the energy used. The supply air can be optionally supplied by integrated or external fans.



The Infradry compact has a high IR surface power, the reflectors of the emitters concentrate the IR radiation on the substrate and thus enable excellent drying results. Depending on the application, the module can be equipped with emitters of different wavelengths. This makes the IR module very flexible, applicable to different drying requirements and thus independent of the printing inks or varnishes used.



Configurable IR system, selectable options:

- 2 emitter (145mm) or 3 emitter (185mm) system.
- Scalable in length or working width from 180 to 2500mm
- Supply air can be provided by internal or external fans
- Pyrometer for monitoring substrate temperature
- Light shield
- Counter reflector for a closed process chamber or for web applications [roll-to-roll]

Applications:

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

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