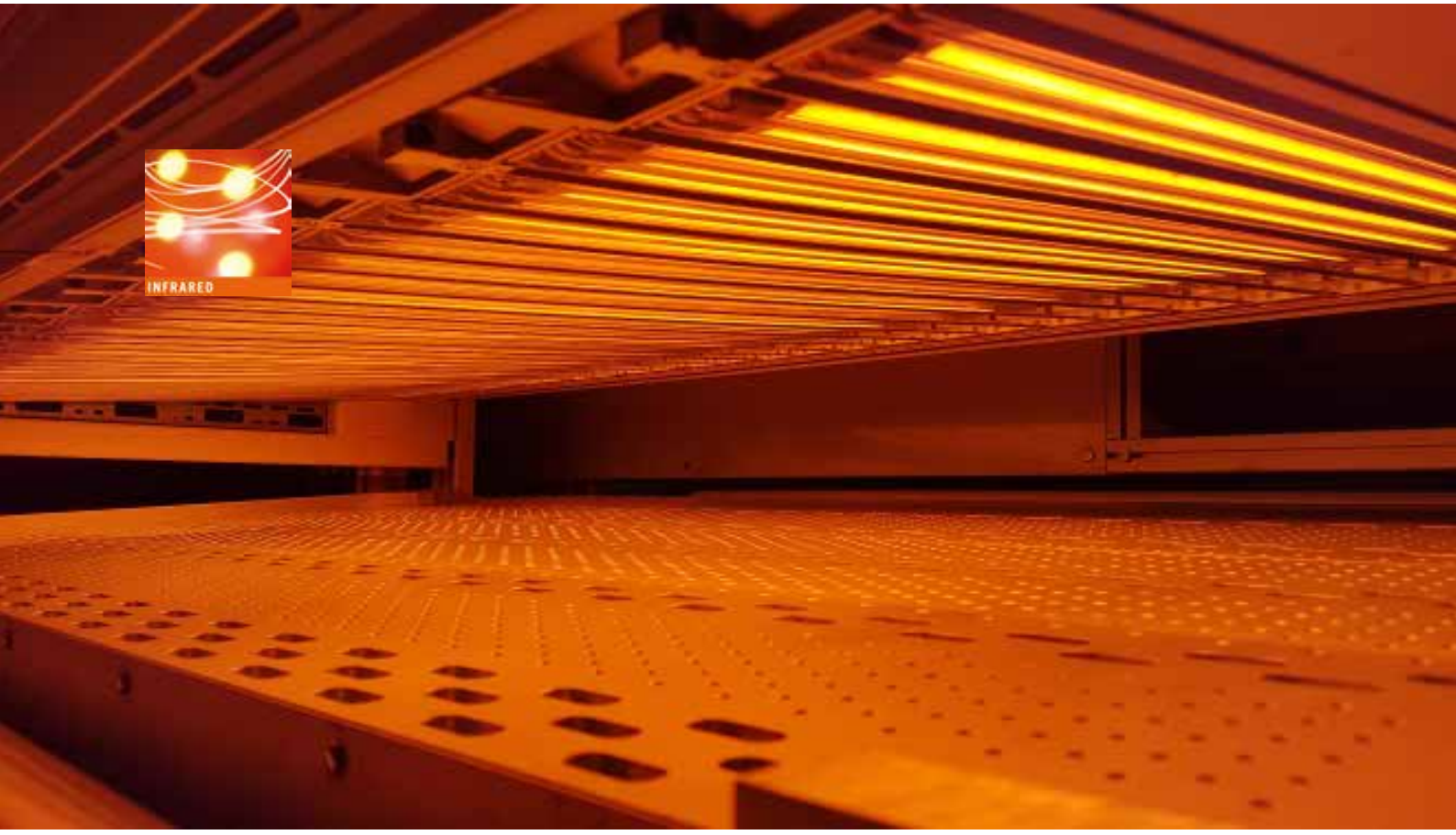
EXCELITAS TECHNOLOGIES®

NobleLight



Infradry *combi*

High performance dryer module for water-based inks, paints and coatings

Infradry combi is an innovative infrared-hot-air-system for drying water-based paints, coatings and inks. Unique is the combination of powerful infrared emitters and a suction system integrated within the infrared field. By this the evacuation of the fumes takes place exactly where the actual drying process takes place.

Technical Data

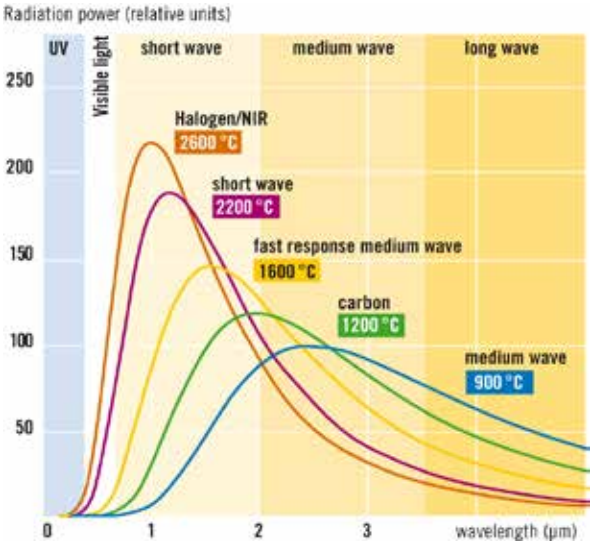
- Air suction integrated in the IR field
- Wavelength variable TwinTube IR-heater
- Efficient reflectors with gold or QRC
- Innovative combination of IR and air management
- Stepless power control
- Easily scalable for working widths up to 3 meters
- High efficiency

Advantages

- Drying performance for high printing speed
- Better color brilliance through increased process performance with air management
- Intelligent modular construction
- Quick lamp change possible
- Configurable interfaces
- Easy to maintain

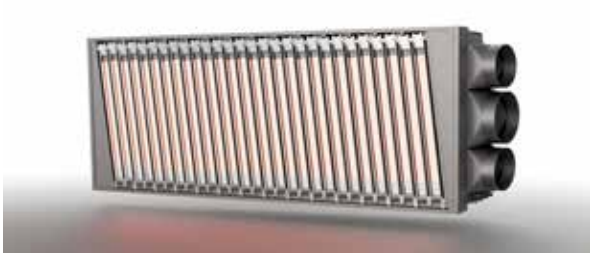
High-Performance dryer module

Infradry combi is a modular and innovative infrared system. It consists of a combination of powerful twin-tube IR emitters, hot air and integrated suction for drying of water-based inks, paints or varnishes.
A specially developed air duct guides an evenly distributed air flow into the drying area, absorbs the moisture and removes it directly from the process room.



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.

Infradry combi 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, from NIR to CIR (Carbon). 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:

- Mechanical interfaces for optimal machine integration
- Pyrometer for monitoring the substrate temperature
- 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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