

# JETCURE IR



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IR- or IR/HotAir dryer for water-based inks and coatings.

## FEATURES

- High IR power
- Efficient single reflector for each lamp
- Plug-in IR lamps
- Stepless adjustable IR power control
- Short or medium wave IR radiation spectra

## BENEFITS

- High drying performance with up to 300 kW/m<sup>2</sup>
- Compact and light-weight design
- Low maintenance
- IR or IR/HotAir dryer

## JETCURE IR

jetCURE IR is an air-cooled IR module for drying water based printing inks and coatings. It can be operated as a pure IR dryer or an IR/HotAir dryer.

### HIGH-TECH DRYING MODULE – CONFIGURABLE AS IR- OR IR/HOTAIR DRYER

#### FEATURES

jetCURE IR has got an intensity of up to 300 kW/m<sup>2</sup>. A single reflector for each lamp concentrates the IR radiation to the substrate which leads to excellent drying results. The IR module can be equipped with short or medium wave IR lamps, a combination of different wavelength ranges, including NIR, is possible. Thus jetCURE IR is very flexible and can be applied for various drying tasks.

Unique about jetCURE IR is the possibility to change it — fast and easily — from a pure IR to an IR/HotAir dryer:

As a pure IR dryer it is mostly applied in inkjet printing. In inkjet application there is always the risk that a warm air flow might have a negative influence on the printing quality, e.g. it can deform the ink drops on the substrate surface. Furthermore, too much warm air can clog the inkjet nozzles. jetCURE IR prevents any air flow on the substrate by using an exhaust cooling with filtered cooling air and a quartz glass plate in front of the lamps (radiation exit). In this operation mode the IR module is especially suitable for an installation next to or between inkjet printing heads.

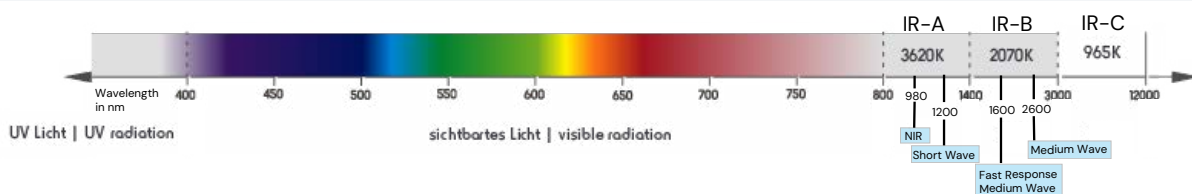
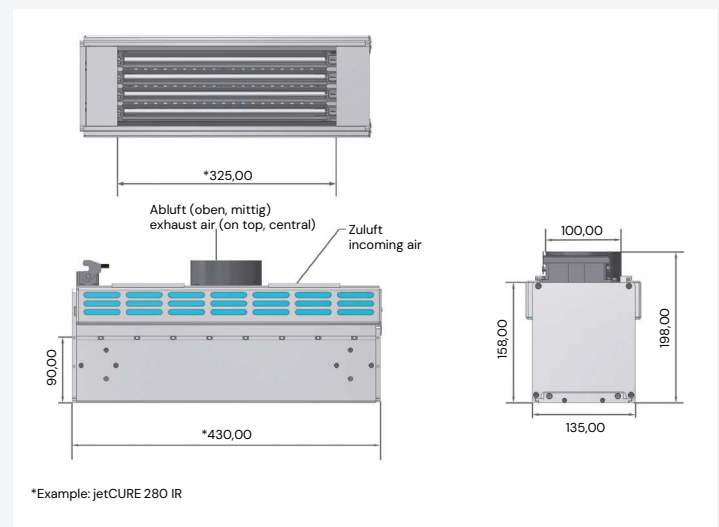
By removing the quartz plate and reversing the air flow (mechanical turn around of the axial fan) the IR module can easily be transformed into an IR/HotAir dryer. As such the jetCure IR can be used for less temperature sensitive applications with increased drying performance. The cooling air supply is carried out flexibly by integrated or external fans.

#### APPLICATION

- Printing inks and coatings for inkjet and flexo printing
- sintering of printed circuit board tracks of printed electronics

#### MAIN FEATURES

- High drying performance through concentrated IR-radiation up to 300 kW/m<sup>2</sup>
- Radiation width up to 520 mm (20")
- Continuous IR power control for adaptation to the process
- Optimal adaptation to the printing ink or coating by the flexible use of different radiation spectra
- Configurable as pure IR dryer or IR/HotAir dryer
- Lightweight design for easy application in dynamic systems
- Plug & Play connection
- Quick lamp change through a plug and socket connection
- Operation via operation panel or integrated in the machine control



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