



## jetCURE NIR

High Performance NIR Module  
with TwinPower NIR Lamps

### Features

- High Power
- Plug-in NIR lamps
- Continuous power control
- NIR radiation spectrum
- Backside reflector for high efficiency

### Advantages

- High drying performance with up to 300 kW/m<sup>2</sup>
- Reduced thermal load on the substrate
- Compact, lightweight and stable design
- Low maintenance
- Easy change into NIR/hot air dryer

## High-Tech Drying Module Configurable as NIR- or NIR/hot air dryer

**jetCURE NIR** is an air cooled NIR module for heating processes and drying water based printing inks and coatings. It can be operated as a pure NIR or an NIR/hot air system.

### Features

jetCURE NIR has got an intensity of up to 300 kW/m<sup>2</sup>. Very powerful TwinPower NIR lamps with two coiled coils enable fast and demanding drying and heating processes.

Unique about jetCure NIR is the possibility to change it – fast and easily – from a pure NIR to a NIR/hot air dryer:

As a **pure NIR dryer** it is mostly applied in processes which request no air flow, e.g. directly beside inkjet printing heads. jetCURE NIR 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).

By removing the quartz plate and **reversing the air flow** (mechanical turn around of the axial fan) the NIR module can easily be transformed into a **NIR/hot air dryer**.

The variant **jetCURE NIR Plus** combines highest irradiation power with hot air and simultaneous exhaust in one compact module. It is applied for demanding drying applications, also directly beside air flow sensitive areas. Depending on the application it can be equipped with a single or a double sided exhaust.

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
- Industrial heating processes

### Main Features

- High drying performance through concentrated IR-radiation up to 300 kW/m<sup>2</sup>
- TwinPower NIR lamps with two coiled coils for highest demands
- Continuous IR power control for adaptation to the process
- Configurable as pure NIR unit or NIR/hot air dryer
- **jetCURE NIR Plus** with hot air and integrated exhaust
- Plug & Play connection
- Lightweight design for easy application in dynamic systems
- Quick lamp change through a plug and socket connection
- Operation via operation panel or integrated in the machine control



jetCURE NIR Plus with double sided exhaust