

## Air-Knife Infrared-Module Infrared drying with intensive air exchange

Air-Knife modules are infrared-modules equipped with an air flow system. An intensive air flow ensures a rapid gas exchange in the drying zone.

An evenly distributed stream of air is blown with high speed into the drying area through the Air-Knife. The dry air takes up the vapours and removes them from the infrared zone. This air takes up the vapours and removes them from the infrared zone. The warm and damp air is extracted immediately after the drying zone. This maintains system balance and the solvents can then be condensed out.

In the drying area, this process reduces the moisture barrier so that further evaporation is not hindered and the infrared radiation is utilised to its full extent. This air exchange shortens the drying procedure and ensures more efficient yield per unit of energy.

### Features

- High drying power
- Saves energy due to high efficiency
- Saves space due to short drying sections
- Particularly suitable on fast-running product conveyor systems
- Modular design – adaptable to equipment requirements
- Rapid switching on/off radiation energy
- Several emitter types can be used
- Long useful life of infrared emitters

### Applications

- Drying of paper, textiles and plastics
- Drying of printing ink
- Drying of lacquers with water-based solvents

Heraeus Noblelight



