



UV Power Cure LED

UV-LED Dryer for DOD-Inkjet

High performance, air-cooled, material-friendly



System Characteristics

- irradiation power 20W/cm²
- compact dimensions
- variety of wavelengths
- air-cooled
- low energy consumption
- no ozon emission

UV Power Cure LED AC irradiation power up to 20W/cm²

UV Power Cure LED - Overview

The UV-Compact LED is a high-performance array for the final drying and intermediate drying (pinning) of DOD inkjet applications. The typical LED service life is more than 20.000 hours *). LEDs can be switched on and off as often as required. They need no warm-up or cooling phase. UV Power Cure LED is available in 365/385/395/405 nm wavelengths. The wavelength can therefore be adapted to the respective application and ink. Solex UV-LED inks have been specially developed for drying with the UV Power Cure LED series. Especially for digital printing with DOD inkjet, the LED technology is ideally suited. The low weight and small size of the UV Power Cure LED allows integration into the smallest gaps.

Advantages of UV-LED Technology

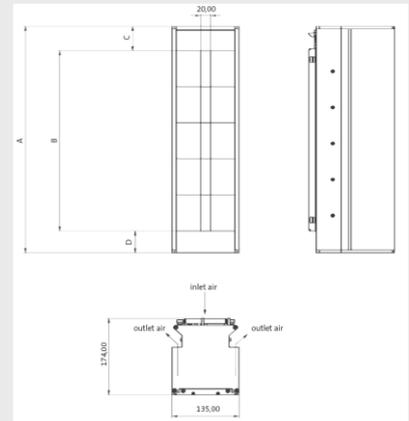
LEDs do not emit IR radiation. Due to the low heat input at the substrate also temperature-sensitive substrates and materials can be irradiated. The different spectra ensure a safe and fast curing. Since LEDs do not need warm-up times, the LED heads can be easily switched on and off and are ready for immediate use.

- no heat load on substrate and production machine
- no special heat-resistant conveyor belts or machine elements necessary
- small space requirement - can be integrated in the smallest space, no additional drying mechanism
- There is no ozone created. Operation without suction or activated carbon filtering.
- low energy consumption, thus environmentally friendly and cost-saving
- Maintenance-free operation with high availability of the system

Technical data

- LED service life: > 20.000 hours *)
- Irradiated area: 82 x 20 mm or 164 x 20 mm variabel
- Lamp lengths: variabel
- Dimensions (WxDxH): 187(269) x 135 x 174 mm
- Wavelength: 365, 385, 395, 405 nm (+/- 10 nm)
- Cooling: internal air cooling
- Control: integrated control electronics

*) typical service life under standard environmental conditions



UV Power Cure LED AC Energy saving, environmentally friendly



UV-Power Drive



UV-LED AC 820x20 mm



UV-LED AC 780x10 mm



UV Power Cure LED 82mm