

# UV LED dryer BE 7



## Application:

UV-curing drying inks, printing inks, coatings, adhesives and other UV-sensitive materials by polymerization rather than evaporation of solvents. So far, conventional mercury UV lamps were used for the cure, but meanwhile, the efficient, environmentally friendly UV-LED technology is a proven and superior alternative.

Unlike mercury vapor lamps, the LED curing use semiconductor-based LEDs to generate ultraviolet (UV) light. BELTRON relies on the UV-LED technology's advantages with maximized performance, reliability and UV energy.

## Design:

The complete turnkey unit is equipped with a UV LED light irradiation unit. Since the heat generated during the UV-LED radiation is only 1 / 10 of the heat produced during the conventional UV irradiation, the cooling and exhaust fans consume accordingly less energy. The plant is designed for a working width of 7 cm. The lamp can be started and stopped instantly and therefore no shutter is required during production. The uv power is adjustable within 20 to 100%.

## Technical Information UV LED dryer BE 7

- Wave length: 365 nm, 395 nm
- UV-LED-Power: 1 - 12 W/cm<sup>2</sup>
- Radiation width: 75 mm
- Length: 700 mm
- Depth: 330 mm
- Height: 390 mm
- Conveyor belt width: 120 mm
- Conveyor belt speed: 2 - 27 m/min with maintenance-free drive motor
- Digital belt speed control
- Passage height: adjustable
- Electrical supply: 230V / 50 Hz
- CE-Sign

### The UV LED dryer BE 7 are used successfully in:

printing industry, electronic industry, plastic industry, building materials industry, textile industry, packaging industry, pharmaceutical industry, automotive industry, glass industry and engineering.

*These are just a few examples from the various partner portfolio of Beltron.*