



UV LED dryer BE 20



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 relays 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 200 mm. 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 20

- Wave length: 365 nm, 395 nm
- UV-LED-Power: 1 12 W/cm²
- Radiation width: up to 200 mm
- Length: 1100 mm
- Depth: 1000 mm
- Height: 1200 mm
- Conveyor belt width: 225 mm
- Conveyor belt speed: 0,5-12 m/min
- Electrical supply: 230V / 50 Hz
- CE-Sign

The UV LED dryer BE 20 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.

Beltron GmbH

Siemensstraße 6 | D-63322 Rödermark | Phone: +49 6074 89199-0 | info@beltron.de | www.beltron.de