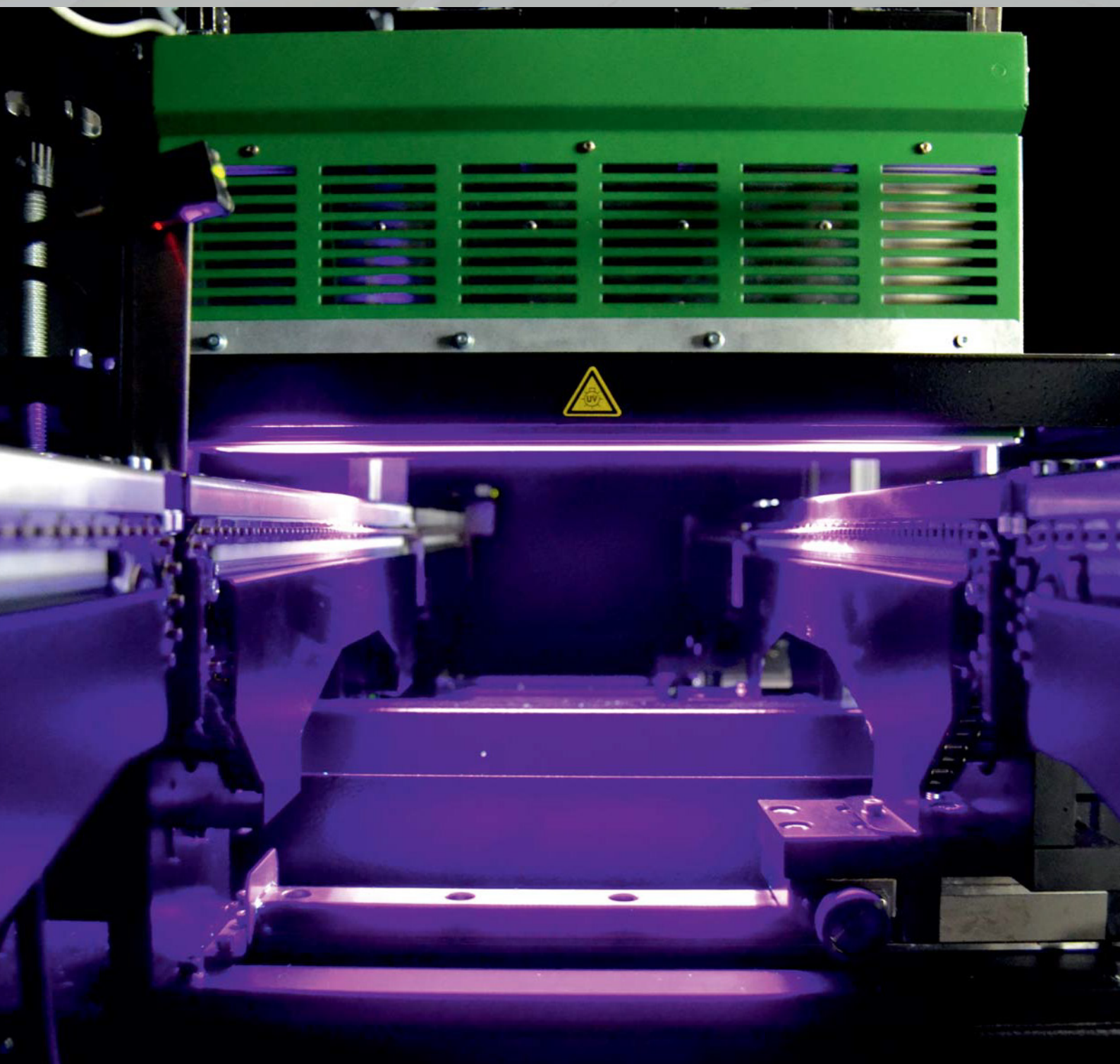




Innovative uv technology

sustained • efficient and save • for a clean future



Over 50 years - Quality „Made in Germany“

Beltron GmbH

over 50 years Quality „Made in Germany“

BELTRON produces high quality machinery and equipment for many applications and markets. Generally our partners are from the graphic industry as well as from other industrial applications. Besides the printing and reproduction market and the electronic industry, the brand **“BELTRON”** has been approved in many other fields, such as solar industry, nano technology, uv-hardening of glue, medical industry, glass industry, automobile industry, production of furniture or other wood based applications, manufacturing of concrete plates, are just a few examples from **BELTRON's** manifold partner portfolio.

Beltron GmbH

more than 50 years your partner in UV technology

Which criteria should your new business partner have to become interesting for you?

Besides requirements like quality and reliability, competence, readiness and partnership are the most important features. As many of our business partners confirm, **BELTRON** fulfils these requirements. Of course – our equipment stands in accordance with all main regulations, such as CE, DIN or SMEMA. Over 50 years quality and experience combined with **“Made in Germany”** – which is still **BELTRON's** policy.

Design and engineering in 3D and most modern CNC and laser production enables us to fulfil all partner specific requirements. Your needs and wishes must not be what we have – our possibilities must be according to your needs. Furthermore **BELTRON** offers his customers a minimized spare parts stock as we have our own spare parts storage. More than 20.000 different articles including UV lamps etc. are available for your requirements. Besides a strong network of local partners, **BELTRON** has business relations to customers all over the world in almost all countries.

Want to try? Your Satisfaction is our target...

LED UV dryer BE 15



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 150 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 LED UV dryer BE 15

- Wave length: 365 nm, 395 nm
- UV-LED-Power: 1 - 12 W/cm²
- Radiation width: up to 150 mm
- Length: 700 mm
- Depth : 455 mm
- Height: 560 mm
- Conveyor belt width: 210 mm
- Conveyor belt speed: 2 - 27 m/min with maintenance-free drive motor
- Passage height: adjustable
- Digital belt speed control
- Electrical supply: 230V / 50 Hz
- CE-Sign

The LED UV dryer BE 15 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.