



# One-sided continous-dryer

## Application:

For drying and polymerization of uUV screen inks, UV adesives, for printed circuit boards, laminated materials, plastic, paper, glass, metal and other printed materials in flow process.

Machines of BE type can be delivered with working width of 35 to 260 cm and lamp power of 80 to 120 W/cm and can be equipped with 1 to 3 bulbs.

## Design:

Compact, space saving steel construction, belt speed 0,5 – 12 m/min stepless controllable (other ranges possible), electronical lamp cooling system, easy and fast lamp exchange, alu lamp casing with uv bulb with 120 W/cm caspacity, stepless power control in the range of 30-100% for optimal uv radiation, spezial reflectors for optimal focusing of uv radiation, service and maintenance friendly design, exhaust air system with connection to exhaust pipe, additional air cooling system between the lamps for critical applications, Compact Control, display of various parameters such as UV set value, operating hours, lamp current. The Compact Control also controls the following tasks: lamp ignition, lamp fuses, idle run, over temperature, exhaust air, converter.

## Optional equipment:

Selective filters, quartz glass for further reduction of product temperature, or a SPS computer control.

Special application uv dryers with 6-8 lamps are manufactured several times.

## Technical Information One-sided continous-dryer

- Transportation belt: Teflon or metal
- Control: Conventional or PLC with touch screen
- Lamps: 1, 2 or 3 UV- lamps
- Lamp filling: Hg (Mercury), Fe (Iron) or Ga (Gallium)
- Lamp power: 80 - 120 W/cm
- Electrical supply: 400 V / 50 Hz / 3~
- CE-Sign

### The One-sided continous-dryers 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.*

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