



UV Curing Systems for Inks, Varnishes, and Adhesives

BT-B

Belt dryer for the UV irradiation of 3D parts

Features

- Belt dryer for 3D parts (objects)
- All-round curing of decorations
- Two UV radiation heads each with an arc length of 450 mm
- Light traps at infeed and outfeed
- Easy accessibility for operation and maintenance
- Special belt which is UV-resistant and food-safe
- Integrated vacuum intake system to fix conveyed parts to the belt
- Efficient stepless UV active power control

Application examples

- Hollow-part decorations (cups, lids)
- Products made of plastic, glass, aluminum, and decoration industry
- Coated 3D parts
- Attachment for special-purpose machines

Available as option

- Doped UV lamps to extend the emission spectrum
- Ozone-free UV lamps
- Adapted/optimized reflector units for your product
- Additional UV radiation heads for higher emittance or complex object contours

The **BT-B** belt dryer was designed to cure decorated 3D parts, such as cups, lids, glassware, and metal parts, using UV radiation.

The **BT-B** is fitted with two UV radiation heads of type STK 450 mm and an optimized reflector construction for the 3D irradiation of objects. The conveyor belt is equipped with a vacuum intake system and ensures rapid, slip-free conveyance of even very lightweight parts. The cooling air extraction system for the UV heads inside of the radiation chamber eliminates all vapors emitted from printing inks or coatings, as well as ozone produced in small concentrations by the UV lamps. The conveyor belt is height-adjustable. This renders the **BT-B** universal for many different applications and object variants.

The new **BT-B** model can supplement or replace devices from the predecessor products VBBT or DB-T already on the market.

Specifications

Belt speed	from 25 to 75 m/min
Maximum width of 3D parts	140 mm
Maximum height of 3D parts	120 mm
Housing width	804 mm
Housing height	1264 mm
Housing length	2700 mm
UV lamp arc length	450 mm
No. of installed UV lamps	2
Weight	278 kg
Ambient temperature	max. 40 °C

