

LabCure UV

Conveyor belt with UV curing module

The LabCure UV is a compact tabletop unit with a conventional UV curing system (UV medium pressure lamp). The distance between the air-cooled UV module and the conveyor belt can be adjusted in steps easily. The speed of the conveyor belt can be adjusted over a wide range. The lamp output is stepless adjustable.



The LabCure UV is typically used for small-format curing of UV inks, varnishes or adhesives. Due to its small dimensions, the device is ideal for validation in the laboratory or for small-scale production of flat materials or 3D objects.

Advantages

- Compact design
- UV irradiance and UV dose can be adjusted separately
- Different spectral distributions can be achieved by simple lamp change

Technical data

LabCure UV	
Wavelength	Spectrum Hg medium pressure lamp (doped and/or ozone-free lamps are also possible on request)
Lamp power	max. 120 W/cm
Dimming range	30 - 100 %
Conveyor belt speed	3 - 20 m/min., variable (other speeds on request)
Conveyor belt	Glass fibre conveyor belt, PTFE-coated, endless, black, antistatic
Conveyor belt width	110 mm or 170 mm (depending on version)
Pass through width	approx. 220 mm
Irradiation width	max. 80 or 120 or 160 mm (depending on version)
Tunnel height	manual adjustable between 12 and 50 mm
Colour	RAL 5002, blue and RAL 7035, grey
Dimensions	approx. 750 x 290 x 390 mm
Weight	approx. 37 kg
Note	Mains connection, electrical fuse protection provided by customer. When increased tunnel height is used, ensure that max. light emission limit is not exceeded!
Features: Belt suction included. This ensures stable positioning of the material on the conveyor belt.	
Accessories (on request):	<ul style="list-style-type: none"> • other conveyer belt speeds • other UV lamps with different dopings (e.g. Fe or Ga) • control for belt stoppage • digital conveyor belt speed indicator • inclined material deposit