

# LabCure LED

## Conveyor belt curing system with UV LED

The LabCure LED is a compact tabletop unit with a UV LED curing system. The distance between the air-cooled UV LED system and the conveyor belt can be adjusted in steps easily. The speed of the conveyor belt can be adjusted over a wide range. The output of the UV-LED is adjustable.



The LabCure LED is typically used for small-format curing of UV LED 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
- Ozone free curing

### Technical data

LabCure LED	
<b>UV-LED:</b>	
Wavelength	395 nm (other wavelengths on request)
Peak irradiance	16 W/cm <sup>2</sup> , dimmable
Dimming range	10 - 100 %
Active optical area	80 / 120 / 160 x 20 mm (depending on version)
<b>Conveyor belt:</b>	
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
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!
<b>Features:</b> Belt suction included. This ensures stable positioning of the material on the conveyor belt.	
<b>Accessories (on request):</b>	<ul style="list-style-type: none"> <li>• other conveyer belt speeds</li> <li>• other UV LED wavelengths, e.g. 365 nm or 385 nm</li> <li>• control for belt stoppage</li> <li>• digital conveyor belt speed indicator</li> <li>• inclined material deposit; adjustable in steps</li> </ul>