OmniCure° CV300



Benchtop Conveyor System

Designed to complement the OmniCure® AC series of high power UV LED area curing systems, the new OmniCure® CV300 is a versatile conveyor system suitable for production, laboratory, and research and development applications.

The CV300 can handle substrates up to 310 mm (12.2") wide on its open mesh Teflon® coated fiberglass belt with an effective curing area of up to 300 mm (12") depending on the OmniCure® LED system being utilized. A flexible mounting design makes it adaptable for use with a single 330 mm wide curing system or multiple smaller systems.

The mounting platform height can be adjusted to provide a clearance of between 30 mm and 60 mm in 10 mm increments, in order to accommodate a wide variety of parts and flexible working distances. The conveyor belt speed can be set from 1 m/min (3ft/min) up to 14.5 m/min (48 ft/min) in 0.3 m/min (1 ft/min) increments with a digital readout to conveniently set the appropriate speed.

For safety assurance, the OmniCure[®] CV300 system includes an e-stop on the conveyor control panel along with an interlock connection for turning off the LED head when the belt is stopped. There are also adjustable light guards on entry and exit openings, and an integrated exhaust port.



Multiple Configurations Available with the OmniCure® AC UV LED Area Curing Systems

The unique mounting design of the Omnicure® CV300 conveyor allows for multiple configurations of the OmniCure® AC Series high power UV LED area curing systems. The length of the LED systems can be positioned perpendicular to the conveyor belt's direction of travel or in 15 degree steps towards a parallel orientation.

Orienting the LED systems perpendicular to the direction of travel will maximize the curing width. Orienting the LED heads parallel to the direction of travel will maximize the curing dose. Go to **www.ldgi.com/omnicure/ac-series/cv300** for more information on available system configurations and the potential dose for each orientation of the mounting head.

Technical Specifications

OmniCure [®] CV300	
Overall Dimensions (LxWxH)	1070 mm (42.2") x 540 mm (21.2") x 440 mm (17.3")
Belt Width	305 mm (12") open mesh Teflon® coated fiberglass
Clearance	385 mm
Belt Speed	1 m/min to 14.5 m/min (3 ft/min to 48 ft/min)
Height Adjustment	30 mm to 60 mm in 10 mm increments
Head Angle Adjustment	0 to 90 degrees relative to belt travel direction in 15-degree increments
Head Angle Adjustment	34 kg (74 lbs)
Electrical	100-240 V AC, 50/60 Hz, single phase
Controls	Power on, Speed adjust, LED on







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