

DYMAX UV Curing Conveyor Systems

Model UVC-5 and UVC-8

The DYMAX UVC-5 and UVC-8 conveyor systems are designed for curing DYMAX UV adhesives as well as UV curable inks and coatings. DYMAX conveyors offer very high intensities (800 mW/cm²) for fast UV curing (up to 10 meters per minute). They offer complete shielding from UV light and consistent cure times. These cost-efficient and versatile conveyor systems are perfect for both production and lab environments.



UVC-5 Conveyor



UVC-8 Conveyor

FEATURES	
Fast cures – intensity up to 800 mW/cm ²	Fully shielded lamp enclosures
Controlled and consistent cure times	Cure larger parts (up to 22 cm x 45 cm)
Adjustable lamp-to-belt distance	Compact bench top unit
12 cm or 22 cm belt widths	Multiple bulb options

SPECIFICATIONS

	UVC-5	UVC-8
Part Numbers	With Metal Halide Bulb (std) – UVC-5 With Mercury Bulb – UVC-5/Hg	With Metal Halide Bulb (std) – UVC-8 With Mercury Bulb – UVC-5/Hg With Gallium Bulb – UVC-8/Ga
Peak UVA Intensity* (ACCU-CAL™ 100)	400 mW/cm ²	800 mW/cm ²
UVA Dose (at 1 m/min)	1800 mJ/cm ²	2800 mJ/cm ²
Lamp Type	Focused Beam	Focused Beam
Number of Lamps	One	One (standard) or Two
Illuminated Area (1 lamp)	Length – 100 mm Width – 120 mm	Length – 200 mm Width – 200 mm
Focal Length	40 mm	50 mm
Half-Power Option	No	Yes
Belt Material	5 mm x 5 mm mesh Teflon coated glass fiber belt	5 mm x 5 mm mesh Teflon coated glass fiber belt
Belt Width	120 mm	220 mm
Belt Speeds	1 to 10 m/minute	1 to 10 m/minute
Electrical Requirements	230V, 50 Hz, 5.9A (single phase)	400V, 50 Hz, 7KVA (single phase)
Overall Dimensions (L x W x H)	700 mm x 500 mm x 340 mm	1560 mm x 900 mm x 450 mm
Load and Unload Length	90 mm	120 mm to max 450 mm
Lamp Height	20-65 mm	70-120 mm
Vertical Clearance	Adjustable from 15-60 mm	Adjustable from 5-65 mm
Weight	28 Kg	150 Kg
Bulb Life/Warranty	Typical life – 1,000 Hours Warranty – 750 Hours	Typical life – 1,000 Hours Warranty – 700 Hours
Replacement Bulb Part Numbers	Metal Halide – UVC-5bulb/Fe Mercury – UVC-5bulb/Hg	Metal Halide – UVC-8bulb/Fe Mercury – UVC-8bulb/Hg Gallium – UVC8bulb/Ga
Lead Time (not including shipping)	2-3 Weeks	3-4 Weeks
Other Options	NA	<ul style="list-style-type: none"> ❖ Adjustable intensity from 40-100% ❖ Aluminum reflector ❖ Quartz glass for heat reduction ❖ 1 or 2 lamps and 1 IR lamp

*Using a standard metal halide, longwave bulb

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Please note that most dispensing and curing system applications are unique. DYMAX does not warrant the fitness of the product for the intended application. Any warranty applicable to the product, its application and use is strictly limited to that contained in DYMAX's standard Conditions of Sale. DYMAX recommends that any intended application be evaluated and tested by the user to insure that desired performance criteria are satisfied. DYMAX is willing to assist users in their performance testing and evaluation by offering equipment trial rental and leasing programs to assist in such testing and evaluation. Data sheets are available for valve controllers or pressure pots upon request.

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