

C9000 UV Light Curing Conveyor Systems

Incorporating the latest technology in UV measurement and monitoring system, the INCURE Hurricane Series UV Conveyors are designed for laboratory or high volume production applications. Featuring the use of variable speed motor, with a velocity regulating drive that keeps the belt speed constant for varying loads. Each system can be configured with single or dual high intensity lamps, which can be removed and reconfigured as stand mounted systems for increased versatility. The belt-to-lamp height can be easily adjusted from 1.5 to 5 inches, for improved compatibility with varying part sizes.

One of the key features is the built-in Intelligent iPatrol UMS (UV Monitoring System), which makes use of sensing cells to monitor UV lamps individually, offering Real-Time monitoring, triggering alarms when UV lamp power is out of the preset range.



FEATURES	Full UV Shielding	The conveyor light chamber is totally enclosed, shielding the operator and passer-bys from any UV radiation. The light chamber entrance and exit are protected by sliding tinted acrylic doors with extended hoods.
	Digital Speed Readout & E-stop Switch	A digital rate meter accurately displays the conveyor's belt speed in feet per minute, allowing for repeatable curing time settings. An emergency stop switch provides for quick and safe shutdown of conveyor and lamps.
	Exhaust Port	The light chamber has a top-mounted 3" diameter port, for optional venting to facility exhaust systems.
	Dual Spectrum Capable	The C9000 dual lamp offers the unique curing advantage of mixing any of its 4 available lamp spectrum types. For instance, the conveyor's first lamp head can be fitted with a UVB lamp for sealing the surface, preventing oxygen from diffusing and causing surface tackiness. The second lamp can be a UVA type, whose longer wavelengths penetrate more effectively, providing deeper curing. This method optimizes adhesive reaction speed without the need for expensive nitrogen purge or the delays of pulse curing.
	Performance	0.5 to 12 Ft. /min., >100 mW/cm ² UVA, Exposure: 1 lamp = 3.3-80 sec. (333-8,000 mJ/cm ²), 2 lamps = 6.65 to 160 sec. (665-16,000mJ/cm ²).
	Adjustable Lamp Height	Foldaway end hoods provide quick access to height adjustment pins, which provide perfectly repeatable settings of lamp head to belt distance.
	Adjustable End Chute	The system has an adjustable position end chute for accumulating cured parts as they exit the conveyor.
	Optional Mounting Stands	The system may be configured with extruded aluminum height adjustable mounting stands. The stands have unique swivel support brackets that allow them to support inclined conveyors, as well as provide angular transitions between continuous conveyors.

General			
	Model	C9000-115V	C9000-230V
	Order Number	290010	290009
Power Supply			
	Input Voltage	100-115VAC $\pm 10\%$	200-230VAC $\pm 10\%$
	Input Current	20 Ampere	10 Ampere
	Source Input Frequency	47 Hz to 63 Hz	47 Hz to 63 Hz
Conveyor			
	Speed Regulation	(Load) -2% Max.	At rate speed
		(Voltage) $\pm 1\%$ Max.	Rate speed, no load
		(Temp.) $\pm 1\%$ Max.	0°C to 40°C, rated speed
	Max. Load (free moving)	200 lbs.	Distributed, 80% full speed
	Belt Speed	0.5 to 12 ft./min	0 ft./min @ standby
	Digital Speed Readout	0.01 ft./min	Resolution
	Belt Type	Polypropylene	Non-conductive, FDA Approved
Environmental			
	Operating Temperature	+10 °C to +40 °C (+50 °F to +104 °F)	
	Storage Temperature	0 °C to +60 °C (+32 °F to +140 °F)	
	Relative Humidity	30 to 85% operating, 10 to 100% storage	Non-condensing
	Cooling (motor/drive)	Convection	Lamps = forced Air
	Over-temp shutdown	60 °C (internal)	
Dimensions			
	L x W x H (inches)	54" x 14" x 12"	Not including chute/lamps
	Belt L x W	54" x 9"	
	Weight (lbs.)	51 lbs.	Not including stands/lamps