



**PROCESS SOLUTIONS  
YOU CAN COUNT ON**

## UV SERIES

### UV CURING OVEN

### Features & Benefits

- The customized UV lamp and advanced variable frequency power technology are used to ensure stable output of ultraviolet energy and dramatically reduce energy consumption
- With adjustable power from 0 to 100%, the lamp service life can extend to 2000 hours and beyond

### Product Description

This UV series is a compact, inline UV curing system. The UV curing oven is suitable for high intensity, rapid curing of UV curable coatings, adhesives, and inks. Closed-loop supply air ensures every substrate receives the same amount of cooling UV wavelength tailored to the ink, coating, or adhesive formulation. Enhanced protection for operators from harmful UV radiation.

Touch screen interface control system integrates into new or existing factory automation lines or used stand-alone SMEMA communication for integration with other automation equipment. Pairs seamlessly with selective conformal coating spraying systems will not interfere with wireless networks.



Long Arc Medium Pressure Ultraviolet Lamp



Digital Lamp Ballast, 1000 to 6000 Watts

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# Specifications :

## System Specifications

## UV Curing Oven

Transmission system	
Component Height	± 100 mm (± 3.93")
Board / Pallet Width	50 – 460 mm (1.96" – 18.11")
Process Flow	L to R
Conveyor Height	900 ± 20 mm (35.43" ± 0.79")
Conveyor Speed (XY)	0.5-5 m/min
Convery Width Adjustment	Manual
Max. Loading	4 kg/m at even distribution
Facility	
Standard Footprint	L 1500 × D 1137 × H 1460 mm (L 159.05" × D 44.76" × H 57.48")
Weight	400 kg
Input Power	3 Phase 380 VAC (Standard), 208/480 VAC with transformer (Optional)
Power	7.0 KW (single UV lamp)
UV Cure Beam Width	620 mm (24.40")
Interface	
Controller	PLC and touch screen
Communication Protocol	SMEMA
Exhaust Requirement	20 m <sup>3</sup> /min (714 cfm)
Ultraviolet Irradiation	
UVA	> 500 mW/cm <sup>2</sup>
UVB	> 500 mW/cm <sup>2</sup>
UVC	> 100 mW/cm <sup>2</sup>

## Standard Features

- Edge carrying, variable speed pin chain conveyor
- Rail expansion compensation
- SMEMA communication protocol
- PLC controller and touch screen
- 100mm top and bottom side component clearance

## Optional Features

- Dual UV lamp for UV curing
- Top and bottom side simultaneous curing
- Return conveyor

