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## UV SERIES

UV CURING OVEN

### Product Description

ANDA UV Series curing ovens are the most powerful compact inline high intensity ultraviolet (UV) curing oven systems available in the industry. Our ovens are available in mercury long-arc lamps for high intensity, rapid curing of UV curable coatings, adhesives, and inks as well as LED lamps for instantaneous curing of UVA LED curable coatings.

Our UV systems can exceed the maximum UV intensity requirements for curing virtually any UV curable product on the market today. In a class of their own, our system costs are also more affordable than rivaling products offered by competitors.

Designed with enhanced safety protection to ensure operator protection from harmful UV radiation. The systems SMEMA communication and touch screen control interface integrates into new or existing factory automation lines or can also be used stand-alone. Pairs seamlessly with selective conformal coating spraying systems and does not interfere with wireless networks.

- Closed-loop supply air ensures every substrate receives the same amount of cooling UV wavelength tailored to the ink, coating, or adhesive formulation
- Customized UV lamps and advanced variable frequency power technology are used to ensure stable output of ultraviolet energy, dramatically reduces system energy consumption, and extends the service life of lamps



Long Arc Medium Pressure Ultraviolet Lamp



Digital Lamp Ballast, 1000 to 6000 Watts

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# Specifications :

## System Specifications

### UV Series High Intensity Ultraviolet Curing Oven

	UV-1	UV-2	UV-3
<b>Board Handling</b>			
Min. Conveyor Width		50 mm (1.96")	
Max. Conveyor Width		450 mm (17.71")	
Max. Component Height		±100 mm (3.93")	
Process Flow		L to R (Standard), R to L (Optional)	
Max. Load	4 kg/m (9 lbs) [Standard], 10 kg/m (22 lbs) [Optional] with even distribution		
Conveyor Speed	0.3 - 3.2 m/min		
Conveyor Height	900 ± 20 mm (35.43" ± 0.79")		
Conveyor Width Adjustment	Manual		
<b>Facility</b>			
Footprint	L 1535 mm (60.43") W 1100 mm (43.30") H 1600 mm (62.99")		
Weight	~400 kg (~880 lbs)	~400 kg (~880 lbs)	~410 kg (~905 lbs)
Exhaust Requirement	20 m <sup>3</sup> /min (714 CFM)		
Input Power	AC 380 V 50/60 Hz 3-phase 5-wire system AC 220 V 50/60 Hz with transformer (optional)		
Rated Power	7.0 kW	13.0 kW	13.0 kW
Lamp Configurations	1 set of lamp above the conveyor	2 set of lamps above the conveyor	1 set of lamp above & 1 set of lamp below
<b>Interface</b>			
Controller	PLC and touch screen		
Communication Protocol	SMEMA		
<b>Ultraviolet Irradiation</b>			
UVA	> 500 mW/cm <sup>2</sup>		
UVB	> 500 mW/cm <sup>2</sup>		
UBC	> 100 mW/cm <sup>2</sup>		

## Standard Features

- Edge carrying, variable speed pin chain conveyor
- Rail expansion compensation
- Optimal safety design to minimize risk of injury by UV leakage
- Special cooling design to reduce the heat shock to sensitive electronic components

## Optional Features

- Top and bottom side simultaneous curing
- Return conveyor (underneath)
- LED UV Lamp
- Larger conveyor width

