



MYSmart™ series UV-curing



High-productivity, high precision
UV-curing ovens

Introducing MYSmart curing

High performance

UV curing ovens

The in-line MYSmart series UV curing Ovens are ideal for medium to high-volume production. The UV1600 curing tunnel is compact and efficient in-line tunnel for curing conformal coating, adhesives and other fluids. Custom designed high-gloss aluminium reflectors, combined with powerful arc-lamps, give a high energy UV-light that illuminates the coating on the circuit board. A short curing time makes it possible to transport more PCB's through the curing tunnel per hour and therefore provides for a high production capacity in only a 1600 mm of length.

-
- 1 Ideal for conformal coating and adhesive applications
 - 2 Fully automatic in-line UV-curing with H or D arc-lamps
 - 3 Software controlled energy saving and lamps lifetime extension
 - 4 Dual lamps for efficient curing, followed by an active cooling zone
 - 5 Double in- and outlet shutters prevent UV-light leakage
 - 6 Adjustable conveyor speed
 - 7 Automatic conveyor width adjustment
 - 8 SMEMA interface

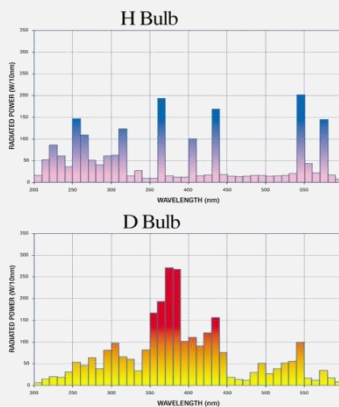


MYUV in-line features



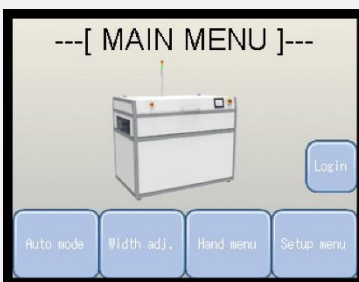
Standard features:

- Touch screen control panel
- Password protection (5 programmable levels)
- 3-color light tower
- SMEMA compatible
- Board counter
- In- and outlet shutters
- Lamp shutters



UV lamps:

Two zones of UV lamps ensure proper curing during transportation of PCB's through the curing area. To increase the UV lamp lifetime and reduce current consumption the lamps are automatically put in power saving mode when the machine has been inactive for some time. The energy control system uses the conveyor width to determine the number of lamps to be used for the curing process. Lamps outside of the actual board width will not be activated. during production.



Advantages:

- Uniform curing results
- Easy to operate system
- Both H- as well as D-bulbs available
- Easy exchangeable lamp units
- Long lamp life time
- Operator safety guaranteed by shutter system



MYUV in-line specification

Dimensions	MYUV1600
Machine dimensions (LxWxD)	1600 x 950 x 1320 mm (63 x 37,4 x 52 in) excluding light tower
Board length	70 – 500 mm (2.7 – 19.7 in)
Board width	50 – 508 mm (2 – 20 in)
Min. board thickness	0.8 mm (0.03 in)
Max. board weight	4 Kg (8.8 lbs)

UV source	
Power:	4 x 2000W
UVA intensity:	>500mW/cm ²
UVB intensity:	>500mW/cm ²
UVC intensity:	>100mW/cm ²

Conveyor	
Speed (adjustable):	1 to 4 m/min (39 to 157 in/min)
Top board clearance:	70-100 mm (2.8 to 3.9 in.)
Bottom board clearance:	100 mm (3.9 in.)
Conveyor edge clearance:	3 mm (0.12 in.)
Conveyor height:	940 mm ± 30 mm (37 in. ± 1.2 in.)
Direction:	Left to Right

Facility requirements	
Voltage:	400 VAC, 3 phase, 9kW
Air supply:	5 - 10 bar, 1000 l/h (70 – 140 psi, 0.6 cfm)
Min. exhaust air flow:	19m ³ /min (671 cfm)
Exhaust air outlet diameter:	200 mm (7,87 in)

Safety features	
Standard safety features:	Exhaust monitoring sensor, start-up delay, down draft exhaust design

