

UV Curing oven (UPKTECH-UV106FM)

(1) Equipment picture:



(2) Device parameters:

Dimensions	1500mm*1050mm*1540mm (Includes casters, excluding three colors)
Control method	PLC+touch screen control
PCB transmission height	910±20mm
Conveying method	Customized hardened aluminum alloy track + stainless steel chain (5mm extended pin)
Track length	1500mm, customizable
Track load bearing	Stainless steel wear-resistant strip support, special treatment, 5KG/m evenly distributed
Transport speed	Speed regulator adjustment, 0.5-3 m/min, digital display
Transmit motor power	AC220V, 90W
PCB width	MAX: 450mm
Plug-in spacing adjustment method	Electric adjustment
UV tube quantity	1 set of light source
UV light source power	6KW/piece
UV light source type	Mercury lamp, wavelength: 200-400nm; main peak: 365nm
UV power supply	Electronic variable frequency power supply (power 20%-100% adjustable)
Lamp replacement cycle	800-1000H
Equipment ventilation	2 ø150mm air outlets to meet the best temperature control in the furnace
Exhaust volume requirements	2000 cubic meters/H

PCB board size	MAX:L450mm*W450mm
PCB board component height	MAX: ±100mm
Equipment net weight	Approx.410KG
Power supply	AC380V, 50Hz ,Three-phase five-wire system
Total power	7KW

(3) Device functions

- PLC+touch screen control, with independent thermostat alarm, double over-temperature protection.
- Stainless steel chain conveyor, effective width is 50-450mm, width is electrically adjusted, conveyor speed is adjusted by speed regulator.
- The device also carries a set of electronic dimming light sources, and the UV light intensity can be quickly adjusted.
- The equipment is equipped with the SMT industry standard SMEMA interface, which can be used for signal docking with other equipment.

(4) Configuration list:

No	Name	Brand	Unit	Qty	Usage
1	Photoelectric Sensors	Baomeng	piece	2	PCBA induction
2	Stepper motor	Xinghuo	unit	2	Upper conveyor power transport/orbital amplitude modulation
3	Programmable controller PLC	XINJIE	unit	1	Program control module
4	Switching power supply	Mean well/明纬	unit	2	Weak current power supply part
5	U-shaped sensor	Omron	piece	1	Counting sensor
6	Touchscreen	XINJIE	unit	1	HMI