axxon
MYCRONIC

UV-200
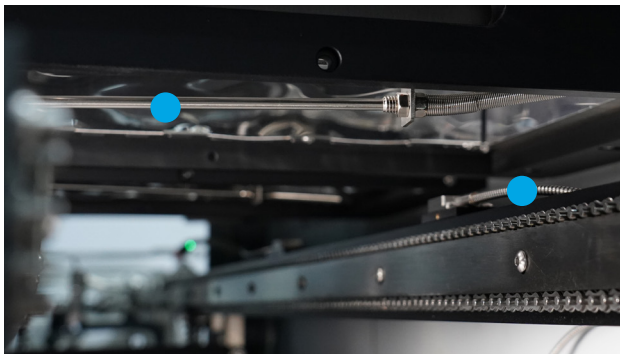# **UV curing conveyor system**

UV-200 inline curing tunnel is designed for efficient curing of UV or visible light sensitive adhesives, inks and coating materials. A variety of lamps are available to meet the requirements of a wide range of applications. The system is designed with complete UV shielding and optimized cure results. Flexible configuration options allow for the lowest cost of ownership while meeting your needs.

- Complete UV shielding
- Adjustable exposure time
- Adjustable conveyor width up to 600mm and conveyor speed control
- Adjustable lamp height
- Lamp life monitor

Temperature monitoring: Monitor temperature changes in the oven in real time, alarm when over temperature.

Energy monitoring: Monitor the energy output and stability of each UV lamp in real time. Record energy deviation and alarm output, ensuring that the product gets a consistent curing energy.

Specification

Specification	UV-200-M	UV-200-L
General		
Foot Print (LxWxH)	1600mmx1350mmx1650mm	1600mmx1350mmx1650mm
Power supply	380V 3phase/50Hz	380V 3phase/50Hz
Air supply	0.4-0.7MPa	0.4-0.7MPa
Power Consumption	18-20KW	18-20KW
Weight	900KG	900KG
Beacon light with buzzer	YES	YES
Exhaust unit	200mm exhaust portx1	200mm exhaust portx1
Certification	CE	CE

Specification	UV-200-M	UV-200-L
Curing system		
Lamp type and brand	Primarc mercury lamp	Metal halid lamp
UV lamp type	Electric arc	Electric arc
Lamp active wattage	8KW	8KW
Number of lamps	2pcs	2pcs
Lamp lifetime	2000h	2000h
Reflector lifetime	8000h	8000h
Effective irradiation width of a single lamp	300x600mm	300x600mm
Effective irradiation area of the oven (LxW)	600x600mm	600x600mm
Lamp length	770mm	770mm
Lamp diameter	25mm	25mm
UV spectrum wavelength	200-440nm	200-500nm
Main band	365nm	365+395nm
Light intensity	2500mw/cm²	2500mw/cm²
Adjustable power levels	YES	YES
Lamp configuration in machine	Upper conveyor lampx2	Upper conveyor lampx2
Light traps on the top module	YES	YES
Light traps on the bottom module	NO	NO
Lamp height adjustment	Manual adjustable 40-110mm	Manual adjustable 40-110mm
Cooling method	Air cooling	Air cooling
Exhaust fan with low level flow alarm	YES	YES
UV temperature measurement sensor	YES	YES
Conveyor system		
Conveyor type	Chain track	Chain track
Conveyor construction	Stainless Steel chain + profile	Stainless Steel chain + profile
Conveying length	1600mm	1600mm
Conveying height	900±20mm	900±20mm
Working width adjustment	50-600mm	50-600mm
Conveyor auto-width adjustment (Yes/No)	YES	YES
Process flow	L to R	L to R
Board clearance top/bot	Top:100mm/Bot:100	Top:100mm/Bot:100
Conveyor speed	5-50mm/s	5-50mm/s
Maximum conveyor load	10KG	10KG
Max board weight (incl. fixture)	10KG	10KG
Type of conveyor driver system	Adjustable-speed motor	Adjustable-speed motor
Entrance door shutter	YES	YES
Exit door shutter	YES	YES
SMEMA compatible conveyor (Yes/No)	YES	YES
Software and programming		
Control system	PC	PC
Operation system	Win10	Win10
Multi-language user interface	English, Chinese, Korean	English, Chinese, Korean
User access level and password protected	YES	YES
Advanced features		
Internal blowers	YES	YES
Board counter	YES	YES
Board jam detection	YES	YES
Lamp life time management monitoring system	YES	YES
UPS(Optional)	YES	YES

Standard configurations	Optional configurations
Emergency Stop	Heavy-duty conveyor
Internal blowers	Dual-lane conveyor
Oven temperature alarm	Bottom cure
Board counter function	Automatic lifting of UV lamp
Board jam detection	Return conveyor
Lamp lifetime management monitoring system	UPS
Manual Adjust the lamp height	/