

PRODUCT INFORMATION: UV CURE MODULE

SELECT CURE® UV-6 CURE MODULE

Asymtek's Select Cure inline UV oven with modular design is ideal for topside curing in mid- to high-volume production. Using ultraviolet light as the primary cure method, the oven module has five configurations with either 152-mm (6-inch) or 254-mm (10-in.) lamps. Cure area is dependant on lamp width ; see the table on the back for the available configurations.

The heart of the UV-cure system is the lamp technology. The integrated Nordson CoolWave™ microwave lamps run up to 30-percent cooler than other traditional microwave lamps and provide safer UV curing over standard arc lamps. The CoolWave lamps are uniquely configured to ensure a geometrically accurate field of focus. Internal reflectors eliminate heat generation common with tradition metal reflectors. Boards are cured cooler, and the lamps run cooler for maximized production.

A unique ventilation design dissipates heat generated from the UV lamp. A blower forces cooling air across the surface of the board to keep the temperature and rate of rise at acceptable levels.

A SMEMA-compatible chain conveyor allows processing of boards and is easily integrated with your existing Century conformal coating system. The conveyor is configured for both left-to-right and right-to-left flow with manual width adjustment.



FEATURES

- Modular configuration for curing topside of PCBs
- Runs cooler – safer and better for electronic components
- Minimal maintenance – simple construction and operation
- Safety interlocks, E-stop button and 6-button operator panel allow safe, efficient operation. CE approved
- UV lamp size and focal height are configurable to meet specific application requirements

	CoolWave 152 mm (6 in.) Lamp	CoolWave 254 mm (10 in.) Lamp
Reflector	Dichroic Coating 210-480 nm Focus/Flood Profiles	Dichroic Coating 210-480 nm Focus/Flood Profiles
Focal Length	53.3 mm (2.1 in.) standard	53.3 mm (2.1 in.) standard
Length (relates to board width)	152 mm, 306 mm, or 457 mm (6, 12 or 18 in.)	254 mm or 508 mm (10 or 20 in.)
Power	12 W/mm (300 W/inch)	23 W/mm (600 W/inch)
Type	Mercury (broadband output along all wavelengths) and Mercury-Iron available *rich in UVA	Mercury (broadband output along all wavelengths) and Mercury-Iron available *rich in UVA

SELECT CURE® UV-6 CURE MODULE SPECIFICATIONS

GENERAL:

Dimensions: 1219 x 927 x 1105 mm (48 x 36.5 x 43.5 in.). 1384 mm (54.5 in.) to top of beacon

Lamp Configurations: Up to three 152-mm (6-in.) or two 254-mm (10 in.) lamp heads.

Lamp Model	No. of Lamps	Cure Width
152 x 1 (6.0 x 1)	1	152 mm (6.0 in.)
152 x 2 (6.0 x 2)	2	305 mm (12.0 in.)
152 x 3 (6.0 x 3)	3	457 mm (18.0 in.)
254 x 1 (10.0 x 1)	1	254 mm (10.0 in.)
254 x 2 (10.0 x 2)	2	508 mm (20.0 in.)

Light Tower, 2-Lamp Configuration:

- Yellow solid: Standby mode
- Yellow flashing: Lamp on (waiting for blower and 70% lamp power)
- Green solid: Run

Weight:

- 136 kg (300 lbs). (approximate) UV-6 conveyor module
- 136 kg (300 lbs) per unit (254mm/10in. lamp head and power supply)
- 50 kg (110 lbs) per unit (152mm/6in. lamp head and power supply)

CONVEYOR:

Type: Chain conveyor

Conveyor Height: 927 to 978 mm (36.5 to 38.5 in.)

Conveyor Speed: 305 to 3048 mm/min (1-10 ft/min) (Ninja Wheel)

Conveyor Width: 57 mm to 457 mm (2.25 to 18 in.)

Conveyor length: 1219 mm (48 in.)

Asymtek is ISO 9001 certified

CoolWave is a trademark and Select Cure is a registered trademark of Nordson Corporation.



FACILITIES REQUIREMENTS:

Power: Number of connections required:

	Controls & Conveyor	152 mm (6.0 inch) Lamphead Power Supply	254 mm (10.0 inch) Lamphead Power Supply
	120 VAC, 10 A, 60 Hz, 1 PH	240 VAC, 14 A, 60 Hz, 1 PH	480 VAC, 20 A, 60Hz, 3 PH
152mm (6.0 in.)	1	1 per lamp	N/A
254 mm* (10.0 in.)	2	N/A	1 per lamp

* Cooling blower is included standard in 254 mm (10.0 in.) lamp systems; operating voltage can be configured to match lamp voltage (480 VAC). Factory-supplied ductwork may be required if blower needs to be located away from the UV oven.

50 Hz configurations available upon request.

Exhaust/Ventilation:

28.33 m³/min @ 51 mm WC, 254 mm exhaust duct (1000 SCFM @ 2.0 in. WC, 10 in. exhaust duct)

OTHER STANDARD FEATURES:

Light Beacon
Door and safety interlocks
E-stop
Standalone operation
SMEMA compatible

OPTIONS:

Hand Crank Width Adjust
Sheet Metal Panels

Please contact these locations for the name of your local representative:

HEADQUARTERS

2762 Loker Avenue West
Carlsbad, CA 92008-6603 USA
U.S. (toll-free): 1-800-ASYMTEK
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