

PROCESS PLATFORM:

UV CURE MODULE

Select Cure® UV-5 CURE MODULE

Asymtek's Select Cure® inline UV oven with modular design is ideal for mid- to high-volume production. Integrated conveyors and controls are included with the ultraviolet-curing module. Up to four electrode-less UV lamps provide maximum UV energy for a complete cure. A unique ventilation design dissipates heat generated from the ultraviolet lamp. This ventilation blower forces cooling air across the surface of the board to keep the temperature and rate of rise at acceptable levels.

Ultraviolet lamps can be configured to meet specific application requirements. Several models with different cure lengths are available. Height settings are adjustable; and a range of bulb types offers specific wavelengths to match your material curing parameters.

A SMEMA-compatible chain conveyor allows processing of double-sided printed circuit boards (PCBs), 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. Three standard configurations are available: top-cure, bottom-cure, top/bottom curing.

Contact Asymtek to discuss your specific conformal coating and curing applications.



FEATURES:

- Modular configuration for curing topside, bottom-side or both sides of PCBs
- The conveyor is dimensionally SMEMA-compatible for smooth integration into existing production lines
- Safety interlocks, E-stop button and six-button operator panel allow safe, efficient operation
- Ultraviolet lamp size and focal height are configurable to meet specific application requirements

Select Cure® UV-5 Cure Module Specifications:

GENERAL :

Dimensions:

Conveyor Length: 1753 mm (69 in.)

Height: 1867 mm (73.5 in.)

Width: 1372 mm (54 in.)

Exhaust Duct:

250 mm (10 in.) on back of unit

CONVEYOR :

Description:

Poly Acetyl chain conveyor

Speed:

Manually adjustable from 0.5 ft/min to 10 ft/min

Digital meter display

Product Edge Clearance: 5 mm (0.2 in.)

Passline height: 914 mm (36 in.) to 991 mm (39 in.)

Product Width: Adjustable from 51 mm (2.0 in.) to 406 mm (16 in.)

Component Height: 89 mm (3.5 in.) max.

SMEMA compatible

Traffic product control through the cure module

FACILITIES REQUIREMENTS :

Exhaust ventilation: 200 to 1000 CFM based on lamp selection

Power:

6.0 Model : 200/208/230 VAC, 20-80A, single or 3-phase

10.0 Model : 200/208/240 VAC, 200/480/415 VAC, or
460/480 VAC at 6 KVA/lamp, 3-phase

OTHER STANDARD FEATURES :

Light beacon

Door and safety interlocks

E-stop

System diagnostics

Adjustable lamp focal height

Standalone operation

MODEL	NUMBER OF TOP LAMPS	NUMBER OF BOTTOM LAMPS	CURE WIDTH
6.0 x 1	1	0	152 mm (6.0 in.)
	0	1	152 mm (6.0 in.)
6.0 x 2	1	1	152 mm (6.0 in.)
	2	0	305 mm (12.0 in.)
	0	2	305 mm (12.0 in.)
6.0 x 3	3	0	457 mm (18.0 in.)
	0	3	457 mm (18.0 in.)
6.0 x 4	2	2	305 mm (12.0 in.)
10.0 x 1	1	0	254 mm (10.0 in.)
	0	1	254 mm (10.0 in.)
10.0 x 2	2	0	508 mm (20.0 in.)
	0	2	508 mm (20.0 in.)

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
Tel: (760) 431-1919
Fax: (760) 431-2678
Email: info@asymtek.com

INTERNATIONAL SALES

Europe: +31 (0) 43-352-4466
Japan: +81 (0) 3-5762-2801
Korea: +82-31-766-8321
S.E. Asia: +65 (0) 67782511
Taiwan: +886-2-2902-1860

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Contact Asymtek for your specific application requirements.

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