



CONVEYORIZED VACUUM APPLICATOR CVA 7025HP





DESCRIPTION

The Conveyorized Vacuum Applicator model CVA 7025HP is an in-line unit designed and built to ensure complete elimination of air from the surfaces of a printed circuit panel as well as perfect encapsulation of the traces. CVA 7025HP has been developed for the simultaneous application on both sides of a printed circuit panel of dry film high-conformation, dry film solder-mask and ConforMASK™, dielectric film and copper foil for SBU technology. The machine ensures a perfect adhesion of the dry film and a total lack of air bubbles. CVA 7025HP employs heat, vacuum and high pressure lamination. It is suitable for in-line or stand-alone mode operation. The machine is provided with a data management system to supervise and control the process

ADVANTAGES

- Stainless steel construction—suitable for clean room operation
- Greatly reduces dry film waste
- Suitable for innerlayer or rigid panels—thickness range from 0.05-6.40 mm (0.002–0.250 in.)
- Panel sizes up to 635 x 635 mm (25 x 25 in.)
- It can run with 1 or 2 panels/cycle
- High lamination pressure adjustable—from 1 to 3 kg/cm² (14 to 42 PSI)
- Dynamic and static slap down cycles
- Max. lamination temperature 160°C (320°F)—platen temperatures individually controlled high heating plate power
- Completely controlled by PLC—operator interface in local language touch screen display
- Convenient access to the vacuum chamber for cleaning or maintenance operations
- Output panel temperature detected

Overall Dimensions		Panel Size	
Width	1,263 mm (49.7 in.)	Width (max.)	635 mm (25.0 in.)
Length	2,320 mm (91.3 in.)	Length (max.)	635 mm (25.0 in.)
Height (min.–max.)	1,659–1,739 mm (65.3–68.5 in.)	Thickness (min.–max.)	0.05–6.4 mm (0.002–0.252 in.)
Electrical Requirements		Lamination Pressure	
Power Type	3 phase; 50/60 Hz + Ground	Lamination pressure up to 3 kg/cm ² (42.7 psi)	
Power Consumption	8.8 KVA	Working Lamination	
Nominal Voltage*	400/480/200/220 +/- 7%	Temperature adjustable up to 160°C (320°F)	
Compressed Air		Cleaning Room Working Condition	
Consumption	7 NI/cycle (0.25 cfm)	Room Temperature (max.)	22°C (79°F)
Working Pressure	6 kg/cm ² (85.3 psi)	Room Humidity (max.)	0,5
Weight		Conveyor (Adjustment)	
Gross	1,160 kg (2,557 lbs.)	Conveyor Height (min.–max.)	960-1,040 mm (37.8–40.9 in.)
Net	1,000 kg (2,204 lbs.)	Conveyor Speed	10 m/min.
*Different voltage can be provided upon requirement.			