



VACUUM APPLICATOR VA 7024-HP5





DESCRIPTION

The Vacuum Applicator VA 7024-HP5 is a semi-automatic machine, designed and built to ensure complete elimination of air from the surfaces of a printed circuit board, as well as perfect encapsulation of the traces. The machine has been developed for simultaneous application on both sides of the PCBs (flexible and rigid) in order to achieve high lamination quality and excellent conformation to fine patterns with dry film photoresist, dry film soldermask and ConforMASK™, dielectric film, copper foil for SBU technology and coverlayer application. The machine ensures a perfect adhesion of the dry film and that there are no air bubbles. VA 7024-HP5 employs heat, vacuum and high lamination pressure.

ADVANTAGES

- Stainless steel construction—suitable for clean room operation
- Suitable for innerlayer or rigid panels—full range from 0.05–6.40 mm (0.002–0.250 in.) thickness
- Dynamic and static slap down cycles
- High lamination pressure adjustable from 1 to 5 Kg/cm²/14 to 71 PSI)
- Greatly reduces materials waste
- Panel sizes up to 635 x 635 mm (25 x 25 in.)
- Maximum lamination temperature 180°C (356°F)—platens' temperature is individually controlled
- Entire platen area can be filled with one or more panels
- State-of-the-art vacuum technology
- Completely controlled by PLC—operator interface in various languages by touch screen display
- Comfortable access to the vacuum chamber for cleaning or maintenance operations

Overall Dimensions		Panel Size	
Width	1,310 mm (51.5 in.)	Width (max.)	635 mm (25.0 in.)
Length	2,200 mm (86.6 in.)	Length (max.)	635 mm (25.0 in.)
Height (min.–max.)	1,370–1,430 mm (53.9–56.3 in.)	Thickness (min.–max.)	0.05–6.4 mm (0.002–0.252 in.)
Electrical Requirements		Lamination Pressure	
Power Type	3 phases; 50/60 Hz + Ground	Lamination Pressure	up to 5 kg/cm (71.1 psi)
Power Consumption	12 KVA	Working Lamination	
Nominal Voltage*	400/480/230/200V ±7%	Temperature	adjustable up to 180°C
Compressed Air		Working Height (Adjustment)	
Consumption	7 NI/min./cycle (0.25 CFM)	Working Height (min.–max.)	1060–1120 mm (41.7–44 in.)
Working Pressure	6 kg/cm (85.3 psi)		
Weight			
Gross	2,330 kg (5,126 lbs.)		
Net	2,110 kg (4,642 lbs.)		
*Different voltage can be provided upon requirement.			