



VACUUM APPLICATOR VA 7024/HP





DESCRIPTION

The Vacuum Applicator VA 7024/HP 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 printed circuit panel of dry film, high conformation dry film solder mask ConforMASK™, and conventional dry film solder mask, or dielectric film and copper foil for SBU technology. In order to obtain perfect adhesion of the dry film and ensure total lack of air bubbles, VA 7024/HP employs heat, vacuum and pressure lamination.

ADVANTAGES

- New style—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
- Greatly reduces solder mask film waste
- Panel sizes up to 635 x 635 mm (25 x 25 in.)
- Entire platen area can be filled with one or more panels
- State-of-the-art vacuum technology
- New software controlled by Mitsubishi PLC—display operator interface in local language
- Platen temperatures are individually controlled—higher heating plate power
- Convenient operator access

Overall Dimensions		Panel Size	
Width	1,270 mm (50.0 in.)	Width (max.)	635 mm (25.0 in.)
Length	1,800 mm (70.9 in.)	Length (max.)	635 mm (25.0 in.)
Height (min.–max.)	1,310–1,390 mm (51.6–54.7 in.)	Thickness (max.)	6.4 mm (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	7.0 KVA	Working Lamination	
Nominal Voltage*	400/480/220/200V ±7%	Temperature adjustable up to 150°C	
Compressed Air		Working Height (Adjustment)	
Consumption	7 NI/min./cycle (0.25 CFM)	Working Height (min.–max.)	960–1,040 mm (37.8–40.9 in.)
Working Pressure	6 kg/cm (85.3 psi)		
Weight			
Gross	1,143 kg (2,519 lbs.)		
Net	970 kg (2,138 lbs.)		
*Different voltage can be provided upon requirement.			