



# CONVEYORIZED VACUUM APPLICATOR CVA 725/PET





## DESCRIPTION

The Conveyorized Vacuum Applicator model 725/PET, with the exclusive mylar belts conveyor, has been 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, at the same time maintaining complete cleanliness. The machine has been developed for the simultaneous application on both sides of the printed circuit panel of dry film, high-conformation dry film soldermask ConforMASK™ and conventional dry film soldermask or dielectric film, and copper foil for SBU technology. This unique machine ensures excellent lamination performance during high temperature and high pressure. It is suitable for in-line or stand-alone mode operation. The machine is provided with a data management system to supervise and statistically control the process parameters via a proprietary software.

## ADVANTAGES

- New 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
- Greatly reduces soldermask 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—high lamination pressure adjustable up to 3 kg/cm<sup>2</sup> (42 PSI)
- Completely controlled by PLC—operator interface in local language
- High lamination temperature—platen temperatures individually controlled
- Dual belt system with cleaning units for removal of resin residues
- Expansion rolls for mylar coils
- Convenient access to the vacuum chamber for cleaning or maintenance operations
- Preset for the Statistic Process Control (SPC)—Easy Data System proprietary software provided\*
- Output panel temperature detected
- Roll-to-roll conveyor mylar belts
- Preset for automatic in-line operation—easy handshake with other units

\*Ex.: Local and remote supervision, management and monitoring data by PC, management of maintenance operations

<b>Overall Dimensions</b>		<b>Panel Size</b>	
Width	1,225 mm (48.2 in.)	Width (max.)	635 mm (25.0 in.)
Length	2,850 mm (112.2 in.)	Length (max.)	635 mm (25.0 in.)
Height (min.–max.)	1,330–1,425 mm (52.4–56.1 in.)	Thickness (min.–max.)	0.05–6.4 mm (0.002–0.252 in.)
<b>Overall Dimensions (Electrical Cabinet)</b>		<b>Conveyor (Adjustment)</b>	
Width	1,000 mm (39.4 in.)	Conveyor Height (min.–max.)	960–1,050 mm (37.8–41.3 in.)
Length	490 mm (19.3 in.)		
Height	960 mm (37.8 in.)		
<b>Electrical Requirements</b>			
Power Type	3 phase; 50/60 Hz + Ground		
Power Consumption	6.5 KVA		
Nominal Voltage*	400/480/220/200V ±7%		
<b>Compressed Air</b>			
Consumption	25 NI/cycle (0.88 cfm)		
Working Pressure	6 kg/cm (85.3 psi)		
<b>Weight</b>			
Gross	1,550 kg (3,416 lbs.)		
Net	1,186 kg (2,614 lbs.)		
*Different voltage can be provided upon requirement.			