

PRINTING AND LAMINATING MACHINE

PAL-series



- Superior stacking at high layer counts
- High productivity = low cost per component
- High printing accuracy, suitable for the smallest components
- Uses carrier film tapes and/or freestanding tapes
- Perfect carrier film removal ensures high quality product
- Any special request can be designed

High layer counts, large production volume

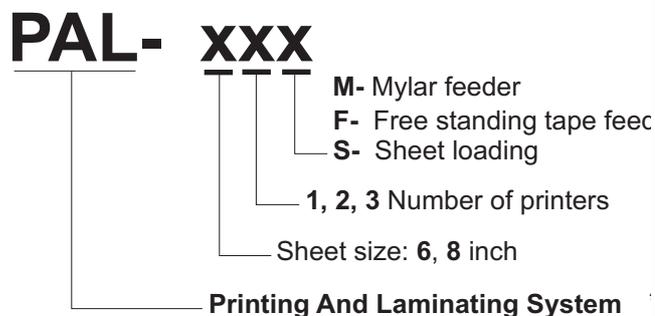
The machine is based on highly refined "print on stack" technology. Palettes load and unload automatically, with capacity for up to 100 palettes travelling at one time around a horizontal carousel. New layers of tape are cut from the roll and pressed onto the stack. Then electrodes are precisely printed and dried. An innovative system to remove the ceramic tape from the carrier. The cycle continues until the required number of layers and electrodes have been deposited. Pressing yields a completely flat and smoothed top surface of the stack, well suited for low electrode laydowns. The superior positioning accuracy of points is well suited for even the smallest chip components (i.e. 0402). Efficient, high speed operation results in a low cycle time (down to 5 seconds printing cycle time inclusive of palette transport).

- Options:
- cassette loading system
 - up to 4 tape feeders can be installed
 - Automatic ink supply
 - Automatic visual inspection
 - Palette additional cooling
 - custom designed to meet special requirements
 - up to 2 printers can be installed

Technical specification:

Printing/pressing area: 6 x 6 inch, (8 x 8inch)	Clean air: tracks fully covered for clean room application
Number of palettes: 1-100 pieces	Safety: equipment complies with US and CE safety regulations
Palette transport: high-speed belt	Dim.: L: 3,63 mm (143 inch), W: 1,44 mm (57 inch), H: 2,26 mm (89 inch)
Cycle time: min 5 sec. (at 3 sec. pressing time)	Weight: approx. 2,200 kg (4,800 lbs.)
Squeegee: drag or diamond type with spread bar option	
Squeegee speed: 50-250 mm/sec. or 2-10 inches/sec.	
Snap-off: automatic adjustment with 1 micron or 1/25 mil accuracy	
Stacker press force: up to 350 kN or 76,000 lbf (optionaly 440 kN or 95,000 lbf)	
Stacker press: heated up to 120°C	
Dryer: circulating air heated up to 100°C	

How to order:*



PAL-61M

Options and other requirements have to be specified separately.



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