



**CHOSEN BY LEADING
COMPONENT MANUFACTURERS
WORLDWIDE**

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**

BASIC CONFIGURATION:

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).

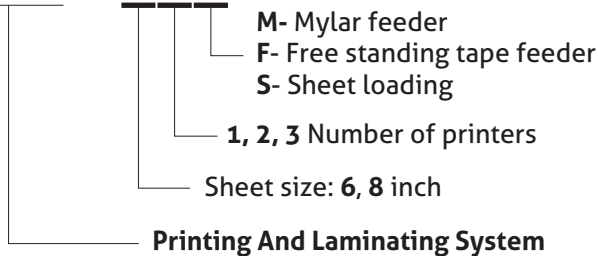
Options:

- 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

Tehcnical specification			
Printing/pressing area	6 x 6 inch, (8 x 8inch)	Squeegee	drag or diamond type with spread bar option
Clean air	tracks fully covered for clean room application	Squeegee speed	50-250 mm/sec. or 2-10 inches/sec.
Number of palettes	1-100 pieces	Stacker press force:	up to 350 kN or 76,000 lbf (optionaly 440 kN or 95,000 lbf)
Palette transport	high-speed belt	Stacker press	Heated up to 120°C
Cycle time	min 5 sec. (at 3 sec. pressing time)	Dryer	Circulating air heated up to 100°C

How to order: *

PAL - xxx



* Options and other requirements have to be specified separately.



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