

experts in productivity™

Panasonic Factory Solutions Company of America



SP18P-L

Screen Printer

- Ultimate, economical solution for lean SMT manufacturing

		SP18P-L
MODEL NUMBER		NM-EJP1A
PCB DIMENSIONS	Min L x W to	50 mm x 50 mm
	Max L x W	510 mm x 460 mm (330 mm x 250 mm ¹⁾)
CYCLE TIME		8.0 s + printing time
REPEATABILITY		±12.5 μm
SCREEN FRAME DIMENSIONS		L 736 mm x W 736 mm, L 650 mm x W 550 mm (horizontally oriented) L 550 mm x W 650 mm (vertically oriented) ¹⁾ , L 600 mm x W 550 mm (horizontally oriented) ¹⁾
ELECTRONIC SOURCE		1-phase AC 200 V ²⁾ , 1.4 kVA ³⁾
PNEUMATIC SOURCE		0.5 MPa, 30 L/min (A.N.R.)
DIMENSIONS ¹⁾	W	1,100 mm
	D	1,536 mm ⁴⁾
	H	1,430 mm ⁵⁾
MASS ⁶⁾		1,250 kg

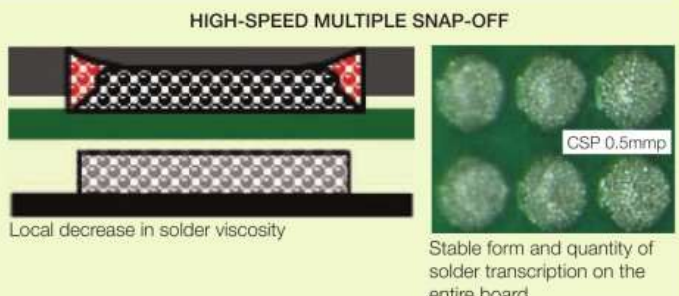
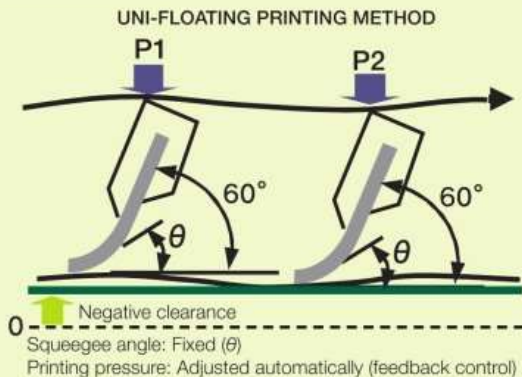
¹⁾ For M size specification (option)
²⁾ Compatible with 220 / 230 / 240 V
³⁾ Including blower

⁴⁾ Handle external dimension
⁵⁾ Excluding monitor and signal tower

note: Values such as cycle time and accuracy may vary depending on operating conditions.
 Please refer to the specification booklet for details.

New Printing Method Reliably Delivers the Right Amount in the Right Form

- Our original uni-floating printing method ensures excellent filling performance regardless of board asperity.
- High-quality printing with high-speed multi snap-off success of the SP80/60 series.
- Light cleaning prevents the flux from drying, maintaining solder transcription quantity.



Stable, High-Quality Printing Process

- Advanced type prevents the solder from leaking out of the printing area. It also reduces the waste solder and prevents the mask from being clogged with deteriorated solder.
- Achieves stable and higher-quality printing via a plastic squeegee that ensures the solder transcription quantity without damaging the mask.

ADVANCED TYPE

Adjustable block according to the board size

Solder leak out state

SOLDER TRANSCRIPTION QUANTITY

% Transcription rate	Urethane	Plastic	Metal
100	~95	~95	~95
80	~95	~95	~95
60	~95	~95	~95
40	~95	~95	~95
20	~95	~95	~95

Mask surface condition after 30,000 printings

Plastic squeegee Metal squeegee

User-Friendly Design

- User-friendly, easy-to-operate functions enable the operator to set parameters based on production requirements – making print condition adjustments nearly automatic.
- Automatic batch teaching of the board and mask recognition marks.

Board Type Selection Key

Standard Conditions are Set

Condition Adjustment Key

Detailed Setting Key

Batch teaching

Recognition mark search functions

Automatic correction

! Safety Caution: To ensure safety when using this equipment, all work should be performed in accordance with the supplied operating instructions. Thoroughly read your operating instructions manual.



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