

2 in 1 Printing Function
Printing both sides of PCB by one machine

Screen Mask

2 patterns (front & back) printmaking on 1 mask

To easily identify the two positions on the mask, this picture has been colored Red/Blue by photo processing.



2 in 1 Specification

Dual Specification

●Screen Printer

- 10 sec for the total printing process including transfer, recognition, each-time cleaning.
- The printing process matching your production style is realized by PCB discrimination function
- M2M Line solution



* It may not conform to Machinery Directive and EMC Directive in case of optional configuration and custom-made specification.

Model ID
SPV

Model No. NM-EJP7A

Model ID	SPV (Single Spec)	SPV (1 to 2 Spec)	SPV (2 in 1 Spec)	SPV (Dual Spec)
Model No.	NM-EJP7A			
PCB dimensions (mm)	L 50 × W 50 to L 350 × W 300 (Max. dimensions of 2 in 1 Spec : L 350 × W 165)			
PCB exchange time *1	10.0 s * Including transfer, positioning, recognition, each-time cleaning. Printing & cleaning conditions: Our recommended conditions (PCB dimensions L 250 × W 165) * Except 2 in 1 Spec			
Repeatability	2 Cpk ± 5.0 μm 6 σ The repeatability of same PCB Equal to ± 5.0 μm ± 3 σ (or ± 2.5 μm ± 1.5 σ)			
Screen frame dimensions (mm)	L 736 × W 736、L 650 × W 550、L 550 × W 650、L 750 × W 750、L 584 × W 584 *2			
PCB discrimination function	Pre-process	Not	Not	Installed
	Post-process	Not	Installed	Installed
Electric source *3	1-phase AC 200, 220, 230, 240 V ±10V Max. 2.0 kVA		1-phase AC 200, 220, 230, 240 V ±10V Max. 4.0 kVA	
Pneumatic source	0.5 MPa,		0.5 MPa,	
Mask cleaning suction : blower spec *4	280 L/min (A.N.R.)		560 L/min (A.N.R.)	
Mask cleaning suction : ejector spec *4	380 L/min (A.N.R.)		760 L/min (A.N.R.)	
Dimensions (mm) *5	W 1 650 × D 1 517 × H 1 500		W 1 650 × D 3 044 × H 1 500	
Mass *6	1 550 kg		3 100 kg	

*Values such as cycle time and accuracy may vary depending on operating conditions. *Please refer to the "Specification booklet" for details.

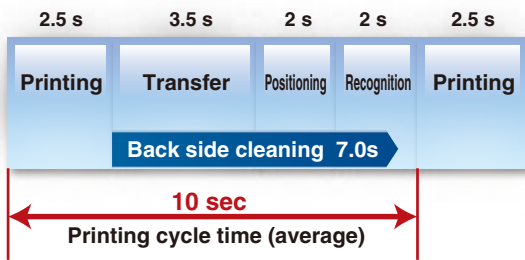
*1: PCB exchange time varies depending on the machine in the pre-process and the post process, the PCB size, the use of a PCB pressing-down unit and so forth.

*2: For mask specifications, please see the specification. *3: Including blower and vacuum pump*Option"

*4: When using the mask suction function *5: Except for the signal tower and the touch panel. *6: With full options

Realizing high-speed printing (10sec/PCB) and stable quality

Realizing the high-speed printing, eliminating a screen printer becomes bottleneck of operation and the stable quality by each-time cleaning.

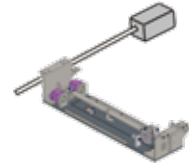


*10 sec : Average time of printing + transfer + cleaning
PCB dimensions 250 X 165 mm
Printing & cleaning conditions : Our recommended conditions. Except the 2in1 printing.

<Realizing cycle time 10sec/PCB>

- New development: Self-propelled cleaning unit
- 3 Conveyors
- Hybrid squeegee head

● Self-propelled cleaning unit



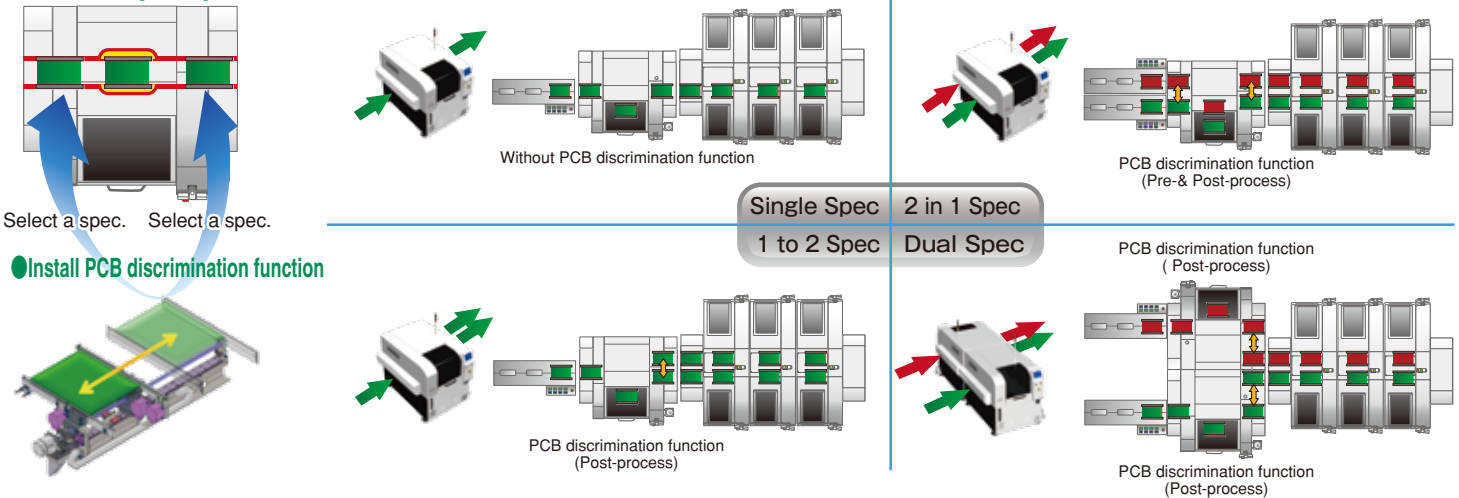
● Hybrid squeegee head



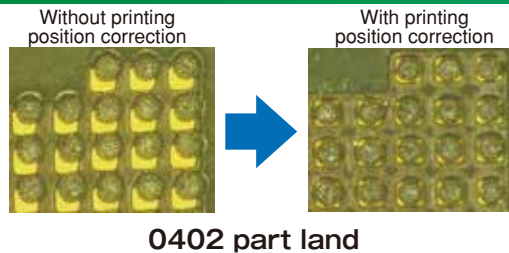
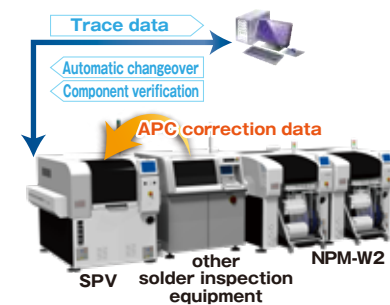
PCB discrimination function

To establish a printing process according to your production style.

● 3-conveyor system



M2M Line solution



According to the correction data of shifted printing positions analyzed by solder paste inspection equipment (APC correction data), it corrects printing positions (X, Y, θ).

*Solder inspection equipment of other companies can also be connected.
* Please inquire with your sales representative for more details.

The following functions can be supported by connecting with an upper system (LNB, LWS...).

- Automatic changeover
- Component verification (solder/mask/squeegee...)
- Trace data output

*About the specification and system configuration, please refer to the "Specification" for details.

⚠ Safety Cautions

● Please read the User's Manual carefully to familiarize yourself with safe and effective usage procedures.

● To ensure safety when using this equipment, all work should be performed according to that as stated in the supplied Operating Instructions. Read your operating instruction manual thoroughly.

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