



**The high-speed printer SPV features an average print cycle time of just 10s for precise SMD-printing, PCB-transfer, recognition and stencil-cleaning.**

## SPV

The SPV Stencil Printer offers a variety of options to suit different PCBs and production processes for consistent high quality. With its high 10s/PCB cycle time, the SPV eliminates bottlenecks and ensures quality by self-cleaning after every PCB. Three conveyors and the PCB identification function provide different automatic printing set ups for a high throughput. With the machine-to-machine-communication option the SPV Screen Printer is using APC correction data to correct positional printing errors. The SPV Stencil Printer can print multiple 350x300mm (M-size) boards simultaneously. This lowers WIP inventory and reduces changeover times by processing up to 4 unique products at once. The configuration minimizes capital expenditure by reducing printer investment by 50% and maximize the floor space utilization with new hybrid board handling concept and the multi-stage board handling conveyors.

### Key Features

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10s/PCB cycle time

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Processing up to 4 unique products at once

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Self-cleaning after every PCB

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Multi-stage board handling conveyors

SPV

<https://ap.connect.panasonic.com/p/h/en/spv>

<b>Model Number</b>	SPV (Single Spec): NM-EJP7A
	SPV (1 to 2 Spec): NM-EJP7A
	SPV (2 in 1 Spec): NM-EJP7A
	SPV (Dual Spec)
	NM-EJP7A (Main machine)
	NM-EJP8A (Back side machine)
<b>PCB dimensions (mm)</b>	L 50 x W 50 to L 350 x W 300 (Max. dimensions of 1 to 2 Spec : L 350 x W 165)
<b>PCB exchange</b>	10.0 s Including transfer, positioning, recognition, each-time cleaning.
	Printing & cleaning conditions : Our recommended conditions (PCB dimensions L 250 x W 165 ) * Except 1 to 2 Spec
<b>Repeatability</b>	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)
<b>Screen frame dimensions</b>	L 736 x W 736, L 650 x W 550, L 550 x W 650, L 750 x W 750, L 584 x W 584
<b>PCB discrimination function</b>	SPV (Single Spec):
	Pre-process Not
	Post-process Not
	SPV (1 to 2 Spec):
	Pre-process Not
	Post-process Installed
	SPV (2 in 1 Spec):
	Pre-process Installed
	Post-process Installed
	SPV (Dual Spec)
	Pre-process Not
	Post-process Installed
<b>Electric Source</b>	SPV (Single Spec):
	SPV (1 to 2 Spec):
	SPV (2 in 1 Spec):
	1-phase AC 200, 220, 230, 240 V ± 10V
	Max. 2.0 kVA
	SPV (Dual Spec):
	1-phase AC 200, 220, 230, 240 V ± 10V
	Max. 4.0 kVA
<b>Pneumatic Source</b>	SPV (Single Spec):
	SPV (1 to 2 Spec):
	SPV (2 in 1 Spec):
	0.5 MPa
	SPV (Dual Spec):
	0.5 MPa
<b>Mask cleaning suction / blower spec</b>	SPV (Single Spec):
	SPV (1 to 2 Spec):
	SPV (2 in 1 Spec):
	280 L/min (A.N.R.)
	SPV (Dual Spec):
	560 L/min (A.N.R.)

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**Dimensions (mm)**

SPV (Single Spec):  
SPV (1 to 2 Spec):  
SPV (2 in 1 Spec):  
W 1 650 x D 1 517 x H 1 500

SPV (Dual Spec):  
W 1 650 x D 3 044 x H 1 500

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**Mass**

SPV (Single Spec):  
SPV (1 to 2 Spec):  
SPV (2 in 1 Spec):  
1 550 kg

SPV (Dual Spec):  
1 550 kg (Main) + 1 450 kg (Back side)