



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

10s/PCB cycle time

Processing up to 4 unique products at once

Self-cleaning after every PCB

Multi-stage board handling conveyors

SPV

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<https://eu.connect.panasonic.com/dk/en/products/smart-factory/spv>

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|--|---|
| Model Number | SPV (Single Spec): NM-EJP7A |
| | SPV (1 to 2 Spec): NM-EJP7A |
| | SPV (2 in 1 Spec): NM-EJP7A |
| PCB dimensions (mm) | SPV (Dual Spec) |
| | NM-EJP7A (Main machine) |
| | NM-EJP8A (Back side machine) |
| PCB exchange | L 50 x W 50 to L 350 x W 300 (Max. dimensions of 1 to 2 Spec : L 350 x W 165) 10.0 s Including transfer, positioning, recognition, each-time cleaning. |
| Repeatability | Printing & cleaning conditions : Our recommended conditions (PCB dimensions L 250 x W 165) * Except 1 to 2 Spec |
| | 2 Cpk ± 5.0 μm 6 σ The repeatability of same PCB |
| Screen frame dimensions | Equal to ± 5.0 μm ± 3 σ (or ± 2.5 μm ± 1.5 σ) 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 |
| PCB discrimination function | SPV (Single Spec): |
| | Pre-process Not |
| | Post-process Not |
| | SPV (1 to 2 Spec): |
| | Pre-process Not |
| | Post-process Installed |
| Electric Source | SPV (2 in 1 Spec): |
| | Pre-process Installed |
| | Post-process Installed |
| | SPV (Dual Spec) |
| | Pre-process Not |
| | Post-process Installed |
| Pneumatic Source | 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): |
| Mask cleaning suction / blower spec | 1-phase AC 200, 220, 230, 240 V ± 10V |
| | Max. 4.0 kVA |
| | SPV (Single Spec): |
| | SPV (1 to 2 Spec): |
| | SPV (2 in 1 Spec): |
| | 0.5 MPa |
| Mask cleaning suction / blower spec | SPV (Dual Spec): |
| | 0.5 MPa |
| | SPV (Single Spec): |
| | SPV (1 to 2 Spec): |
| | SPV (2 in 1 Spec): |
| | 280 L/min (A.N.R.) |
| Mask cleaning suction / blower spec | 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

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)