



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

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

Model Number	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)
PCB dimensions (mm)	L 50 x W 50 to L 350 x W 300 (Max. dimensions of 1 to 2 Spec : L 350 x W 165)
PCB exchange	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
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	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 NotPost-process NotSPV (1 to 2 Spec): Pre-process NotPost-process Installed SPV (2 in 1 Spec):Pre-process InstalledPost-process InstalledSPV (Dual Spec)Pre-process NotPost-process Installed
Electric 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):1-phase AC 200, 220, 230, 240 V ±10VMax. 4.0 kVA
Pneumatic Source	SPV (Single Spec): SPV (1 to 2 Spec): SPV (2 in 1 Spec): 0.5 MPa SPV (Dual Spec):0.5 MPa
Mask cleaning suction / blower spec	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.)
Dimension	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)