



The single-lane printer SPG2 offers high-precision printing in combination with a high degree of automation for labor and effort-saving SMD-printing.

SPG2

The printing performance of the SPG2 can be carried out in 14s with a process repeatability of $\pm 15\mu\text{m}$. Larger circuit boards up to 510mm x 510mm can be handled without restrictions. A new programmable squeegee angle increases the filling pressure by up to 10%. The SPG2 can be equipped with the vacuum cleaning function, to enable a printing process without cleaning paper or cleaning agents. Additionally, it can be equipped with the optional automatic solder paste feed. The SPG2 can be linked into the Panasonic software environment, e.g. in the MES solution PanaCIM Gen2, Process Tracker and the MMS maintenance module in connection with the MFO manufacturing optimizer. Together with the integrated connection, the SPG2 is a trendsetting screen printer for Industry 4.0 applications. The SPG2 is Panasonic's latest printer for innovative high-mix manufacturing environments. The printer is equipped with additional functions and automation solutions for an even more cost-efficient SMD printing. Together with Panasonic's software solutions, the SPG2 is a trendsetting screen printer for Industry 4.0 applications. Various features minimize the line management.

Key Features

Printing process without cleaning paper or cleaning agents

High degree of automation

Effort-saving SMD-printing

Connection with Panasonic software environment

SPG2

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<https://eu.connect.panasonic.com/gb/en/products/smart-factory/spg2>

Model Number	NM-EJP1B
PCB dimensions (mm)	L 50 × W 50 to L 510 × W 510
PCB exchange	14 sec including transfer, PCB positioning and recognition, printing and regular cleaning (when PCB is L250 × W150)
Repeatability	2Cpk ±4.0 μm 6σ (±3σ) (Under conditions specified by Panasonic)
Printing Accuracy	2Cp ±15.0 μm 6σ (±3σ) (Under conditions specified by Panasonic)
Screen frame dimensions	L 736 × W 736、 L 750 × W 750, L 650 × W 550、 L 600 × W 550; L 550 × W 650、 L 584 × W 58 L 736 × W 584、 L 584 × W 736
Electric Source	1-phase AC 200, 220, 230, 240 V ±10V (tap changing available) Max. 2.5 kVA
Pneumatic Source	0.5 MPa, 30 L/min (A.N.R.) (Blower motor vacuum spec) , 400L/min (A.N.R.) (ejector vacuum spec)
Dimensions	W 1 580 × D 1 800 × H 1 500
Mass	1 600 kg