

High Performance & Flexible Printer

SP1-W

A New Standard in High Performance and Flexible Printing

The SP1-W screen printer offers increased print size for large board applications while maintaining Industry leading accuracy specifications. With its high print quality and reduced cleaning time, the SP1-W screen printer increases productivity, maximizing throughput and ROI Available in a dual lane architecture it can also provide mixed production of 2 different PCB models at the same time.



- Printing Accuracy : 12.5 μ m@6 σ
- Printing Cycle Speed : 7 sec
- Applicable PCB : 510(L) x 460(W) (Single Lane)
330(L) x 310(W) (Dual Lane)
- Stencil Size : Max. 736(L) x 736(W)
- Machine Size : 1,540(W) x 1,650(D)
- Mixed Production of Different Types of PCBs /
Automatic Stencil Position Setting / SPI Feedback /
Advanced Software Interface
- Options Include Dual Lane Configuration and
Extension Conveyors

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Greater Range of PCB and Stencil Sizes

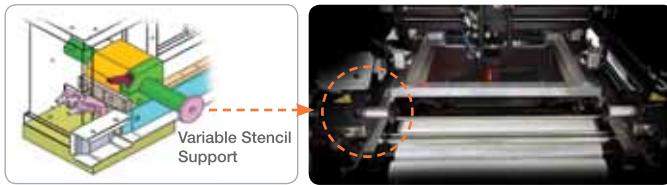
Supports PCBs up to 510 x 460mm

- Allows dual mode operation up to 330 x 250mm.
- Provides printing accuracy of 12.5µm@6σ with a printing cycle time of 7 seconds.

Multiple stencil sizes

- Supports sizes from 550 ~ 736mm and the variable support allows quick change between types with indexes at 550, 600, 650 and 736mm

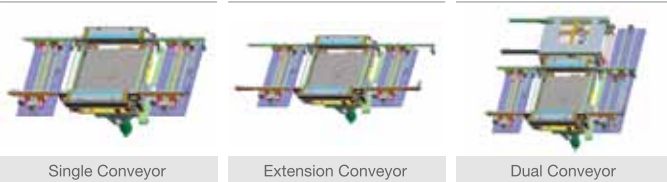
Length x Width(mm)	Minimum	550 x 650 650 x 550	Maximum	736 x 736
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Configurable with Various Conveyor Types

Allows conveyor configuration according to the user's production environment

- Single, dual and extension conveyors supported.



Reduced Cleaning Time

Increases productivity by reducing the cleaning time by improving the cleaning sequence.

One Touch Squeegee Replacement

Allows easy squeegee replacement by changing the manual screw attachment to an instant removal and installation method.



Increased User Convenience

Allows mixed production of different types of PCBs

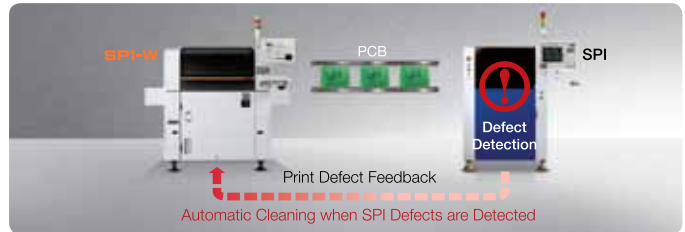
- Allows inline operation with two sets of printers by applying a dual-lane conveyor (bypass) for high speed and mixed production.

2D barcode tracking function

- Allows tracking of printing defects by recognizing the 2D barcode attached to a PCB and saving the PCB information.

SPI feedback function

- Improves the printing quality and defect ratio by performing automatic inspection and cleaning of the mask openings after receiving feedback from SPI stage.



Default PCB program

- Minimizes user operation requirements during printing conditions by providing a default PCB program.



Automatic solder paste supply

Automatic stencil position setting

Automatic print height leveling

Environmental control unit (External type)

Circulation blower (Internal type)

Specifications

Model		SP1-W	
Cycle Time		7sec	
Alignment		±12.5µm@6σ	
Wet Print		±25µm@6σ	
Board Handling	Minimum(mm)	50(L) x 50(W)	
	Maximum(mm)	Single	510(L) x 460(W)
		Dual	330(L) x 310(W)
	Board Thickness(mm)	0.4 ~ 5.0	
Stencil	Minimum(mm)	550(L) x 650(W) 650(L) x 550(W)	
	Maximum(mm)	736(L) x 736(W)	
	Frame Thickness(mm)	30 ~ 40	
	Matching	Center Standard	
Vision	Function	Fiducial Recognition Inspection	
	FOV(mm)	10.6 x 8.0	
	Fiducial Shape	●, ▲, ■, ◆, +	
Utility	Power	100/110/120/200/220/240V Single Phase(50/60Hz) Max. 4.5kVA	
	Air Supply	Pressure 4.5 ~ 7.0kgf/cm ² Max. 600 ~ 700Nℓ/min	
Mass		Approx. 1,620kg	
External Dimension(mm)		1,540(W) x 1,650(D) x 1,447(H)	



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• Please note that specifications and product information in this catalog are subject to change without notice.