

SP1-W

Compact High Performance



- 6 sigma level of high quality printing
- Corrects print offset automatically by feeding back defective SPI printing
- Support for Mixed Production

Align Repeatability	$\pm 12.5\mu\text{m}$ @ 6σ
Wet Print	$\pm 25\mu\text{m}$ @ 6σ
Cycle Time	7sec (Excl. Printing Time)
Board Handling (mm)	Max. L510 × W460 (Single Lane) / L330 × W310 (Dual Lane/Option)
Stencil (mm)	L550 × W650/L650 × W550 ~ L736 × W736

Specifications

	SP1-C	SP2-C	SP1-W
Alignment Repeatability	±12.5um @μ+6σ	±12.5um @μ+6σ	±12.5um @μ+6σ
Wet Print	±25um @μ+6σ	±25um @μ+6σ	±25um @μ+6σ
Cycle Time	5sec (Excl. Printing Time)	5sec (Excl. Printing Time)	7sec (Excl. Printing Time)
Board Handling			
Max.Size (mm)	L330 × W250 (Single Lane) L330 × W250 (Dual Lane/Option)	L350 × W250 (Single Lane) L350 × W250 (Dual Lane/Option)	L510 × W460 (Single Lane) L330 × W310 (Dual Lane/Option)
Min.Size (mm)	L50 × W50	L50 × W50	L50 × W50
Thickness (mm)	0.4 ~ 4.0	0.4 ~ 4.0	0.4 ~ 5.0
Max.Weight (kg)	1.5	1.5	3.0
Stencil			
Min.Size (mm)	L550 × W650	L550 × W650 L650 × W550	L550 × W650 L650 × W550
Max.Size (mm)	L650 × W550	L736 × W736	L736 × W736
Frame Thickness (mm)	30 ~ 40	30 ~ 40	30 ~ 40
Matching	Center Standard	Center Standard	Center Standard
Vision			
Function	Fiducial Recognition, Inspection	Fiducial Recognition, Inspection	Fiducial Recognition, Inspection
FOV (mm)	10.6 × 8.0	10.45mm ± 2%	10.6 × 8.0
Fiducial Types	●, ▲, ■, ◆, +	●, ▲, ■, ◆, +	●, ▲, ■, ◆, +
Fiducial Size (mm)	0.5 ~ 4.0	0.5 ~ 4.0	0.5 ~ 4.0
Operator Interface			
Hard Ware	LCD Monitor, Mouse & Keyboard	LCD Monitor, Mouse & Keyboard	LCD Monitor, Mouse & Keyboard

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Software Operating System	Window XP Embedded	Window 7 Embedded	Window XP Embedded
Utility			
Power Supply	100/110/120/200/220/240V (±5%)Single Phase	100/110/120/200/220/240V (±5%)Single Phase	100/110/120/200/220/240V (±5%)Single Phase
	Max.4.5kVA, 50/60Hz	Max.4.5kVA, 50/60Hz	Max.4.5kVA, 50/60Hz
Power Supply	Pressure 4.5~7.0kgf/cm ²	Pressure 4.5~7.0kgf/cm ²	Pressure 4.5~7.0kgf/cm ²
	Max. 700Nℓ/min	Max. 700Nℓ/min	Max. 600~700Nℓ/min
Mass	Approx. 1,250kg	Approx. 1,150kg	Approx. 1,620kg
External Dimension (mm)	L1,326 × D1,200 × H1,904	L1,376 × D1,200 × H1,904	L1,540 × D1,650 × H1,921

https://www.hanwha-pm.com/en/product/detail.asp?product_info_id=192&cate_id=