

ELP04 RS Specifications

Application		Wiring & VIA seed layer formation inkjet system
Ink type		Elephantech dedicated copper nano ink NCT-03
Model name		ELP04RS
Dimensions (W × D × H)	Main unit	2,100 × 3,200 × 2,100 mm
	Blower unit	520 × 1,010 mm (footprint)
	Air conditioner	600 × 720 mm (footprint)
Weight		5,000 kg
Power supply		Three-phase 200V
Substrate	Type*1	FR-4 and others
	Max. size	550 × 622 mm
	Thickness	0.5–2.0 mm (for FR-4)
Cycle time*2		75 sec/panel (in High-Speed Mode)
Min. L/S (printed)	Standard Mode	75/75 μm ±20%
	High-Definition Mode	50/50 μm ±20% (under development)
Registration accuracy		±20 μm
Printhead	Model	SEIKO EPSON D3000-U1R
	Number of heads	10
Number of stages		Single
Input data format		Extended Gerber
Operating environment	Temperature	19–23 °C
	Humidity	Below 63% RH (non-condensing)
	Atmosphere	ISO Class 7 (Class 10,000)
Other requirements		Supply of compressed air (≥ 0.5 MPa), drainage, and exhaust facilities are required.

*1 Substrates pre-coated with Elephantech's dedicated primer are recommended for optimal adhesion.

*2 Further acceleration to achieve a 30 sec/panel cycle time is under development.

