

SurePress L-5034



Inkjet Digital Label Press

SurePress L-5034

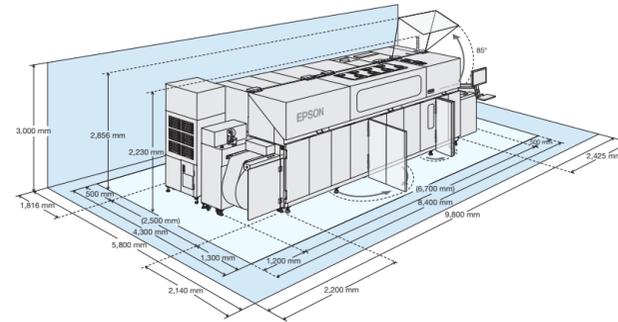
Specification

Printing Method	PrecisionCore Print Head, Lateral Scanning Method
Ink Type	Water-based Pigment Ink
Resolution	1,200 dpi x 1,200 dpi
Substrate Handling	Roll to Roll
Substrate thickness	80 - 320 μm
Substrate width	80 - 340 mm
Print area	MD (Feed Direction) : 30 mm to 1,397 mm CD (Width) : 70 mm to 330 mm
Maximum print area	1,397 mm x 330.2 mm (55 inch x 13 inch)
Max roll size	Diameter : 720 mm, Length : 2,000 m, Weight : 120 kg
Weight	Approx. 5,600 kg (includes main unit, ink server unit, unwinding and rewinding units)
Print speed	13.5 m/min
Power requirements	3-phase AC 200V, 200A
Power consumption	14 kW
Recommended operating environment	Temperature: 18-28°C, Humidity: RH 35-55% (non-condensing)
Installation environment	Temperature: -10-40°C, Humidity: RH 30-55% (non-condensing)
Required equipment	Compressed Air, Connection to Exhaust Duct
Noise level	Less than 80 dB

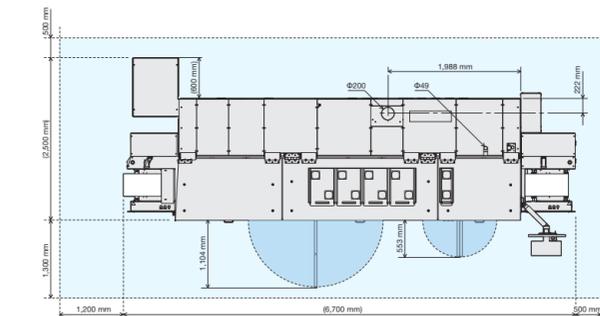
External Dimensions & Installation Space

Width	6,700 mm (with Unwinder and Rewinder units connected)
Depth	2,500 mm (including ink server unit)
Height	2,230 mm (including tower lamp)
Required Operating Space	8,400 mm x 4,300 mm
Required Installation Height	3,000 mm
Floor Load Capacity	450 kg/m ²

Installation space



Operating space



Ink

Ink name	Volume
AQ Optimizer P	AP
AQ Optimizer F	AF
Cyan	C
Magenta	M
Yellow	Y
Black	BK
Orange	OR
Green	GR
Over print liquid	OP
Moisture liquid	MO
Storage liquid	ST



EPSON



A New Era
in Digital Label Printing



EPSON PrecisionCore 1200 x 1200 dpi



Sharp, consistent results, every time

The L-5034 features Epson's advanced PrecisionCore printhead technology, delivering 1200 x 1200 dpi resolution in a single pass. Expect ultra-sharp text, fine lines, and smooth gradients, ideal for even the most detail-critical jobs.



AQ Optimizer

Applied in-line, just prior to jetting the coloured inks. This unique base-coat prevents ink drops from spreading or deforming, to produce fine lines and sharp text at higher print speeds. Compatible with an expanded range of paper and film substrates, ensuring labels are printed with exceptional image quality and vivid colours. Consistently from the start to the end of a print run.



Print result without AQ Optimizer



Print result with AQ Optimizer



High productivity

The combination of the AQ Optimizer and a newly developed hybrid drying system has significantly improved productivity.

In addition, NVT and automatic nozzle-compensation feature, ensure continuous printing for a highly efficient operation.

Print head units can be exchanged quickly, while the inline scanner enables automatic calibration and a swifter or speedier return to production.

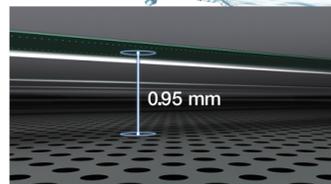


Single-pass printing for high productivity



Inline scanner

A Highly robust frame



0.95 mm

The robust frame narrows the distance between the platen and the print head, enabling high-precision 1200 dpi ink drop placement contributing to high image quality and productivity.

It supports the printhead and platen, maintaining a precise gap of 0.95 mm for exceptional image quality.



A Highly robust frame

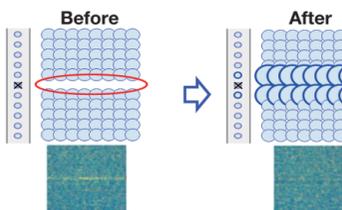
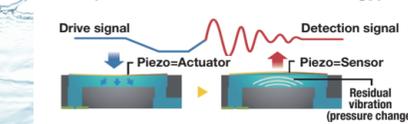
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New Water-based Printing Technology



Fully-automatic nozzle compensation

NVT (Nozzle Verification Technology)



Keep printing, even when others stop

Epson's unique Nozzle Verification Technology (NVT) monitors the nozzle status in real time. If missing nozzles are detected, high-speed image processing is immediately executed to compensate just before the printing pass without stopping production. Resulting in less print waste, less downtime and higher production throughput.

New SurePress AQ ink T5



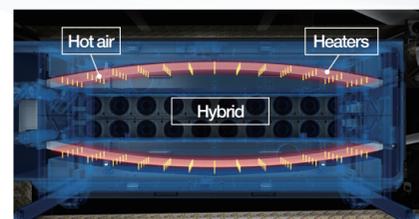
Vibrant colour. Durable results

Newly developed SurePress AQ ink, an improvement on the L-4000 series water-based pigment resin ink, offers improved durability required for labels.

Advanced Six-Colour ink set, CMYK plus Orange and Green, delivers outstanding colour gamut and wide Pantone coverage.



Newly developed hybrid drying system



Hybrid drying system

Smart drying, tailored for a range of label substrates

The L-5034 hybrid drying system gives you full control with adjustable temperature zones, to match specific needs on a variety of substrates. This means faster drying times without compromising print quality. Whether you're printing on paper, film, or specialty stocks, the L-5034 ensures excellent drying efficiency, for a flawless finish, every time.

Ink safety

Compliance with Food Contact Materials regulations

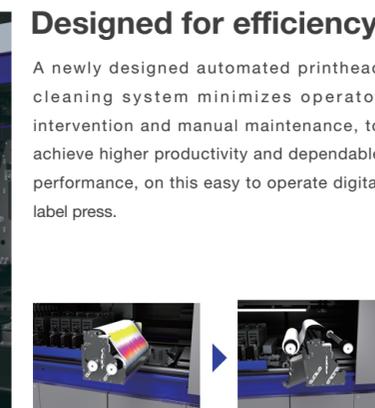
Inks are formulated by Epson to comply with EU Framework Regulation (EC) No. 1935/2004, and Nestlé Printing Inks for Food Packaging. Our manufacturing facilities meet Good Manufacturing Practices (GMP) (EC) No. 2023/2006.



User-friendly



Wiping roll



Flushing roll

Designed for efficiency

A newly designed automated printhead cleaning system minimizes operator intervention and manual maintenance, to achieve higher productivity and dependable performance, on this easy to operate digital label press.