

SurePress L-5034

Discover a new era in high quality digital label printing



EPSON®

Meet the future of digital label production

Epson SurePress L-5034 combines aqueous inkjet innovation with industrial grade reliability, delivering high quality labels, at speed with room to grow your business.

In today's competitive market, label converters face an increasing number of short run jobs which require greater substrate versatility and faster turnaround times.

The SurePress L-5034 will meet this need, maintaining a consistent output with minimal downtime, operator intervention, or waste. Delivering offset-quality results, it ensures high-impact labels with vibrant colour across a wide range of substrates.

Excellent Image Quality

1200 × 1200dpi

High Productivity

Single pass printing

High Reliability

NVT and automated maintenance

Substrate Versatility

New aqueous inks



The SurePress L-5034 combines exceptional colour printing with creative flexibility, helping businesses deliver premium-quality results while expanding their revenue opportunities.

The printer delivers high-quality output at 1200 × 1200dpi in a single pass, enabling excellent productivity. It uses an advanced six-colour ink set to achieve a wider colour gamut and improved Pantone coverage. This innovative system also incorporates Optimizer liquid technology, which carefully controls dot formation and ensures precise drop placement for outstanding image quality.

In addition, a real-time nozzle detection and compensation system maintains consistent results throughout production runs without interrupting operations. Advanced maintenance features further reduce the need for operator intervention, helping to maximise uptime and improve overall press efficiency.





Epson PrecisionCore 1200 × 1200dpi

Sharp, consistent results, every time

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



Without AQ Optimizer



With AQ Optimizer

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.

Single-pass printing for high productivity

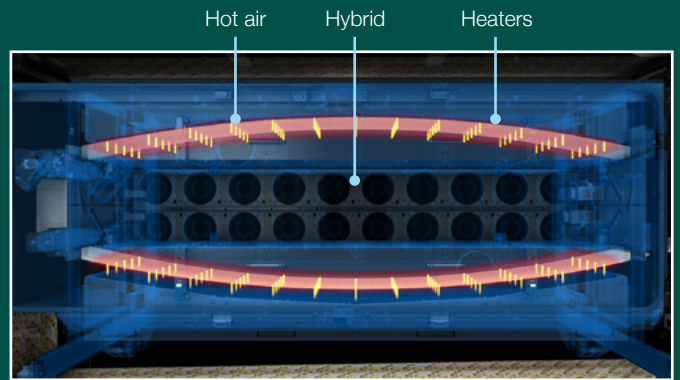


High productivity

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

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

Printhead units can be exchanged quickly, while the inline scanner enables automatic calibration and speedier return to production.

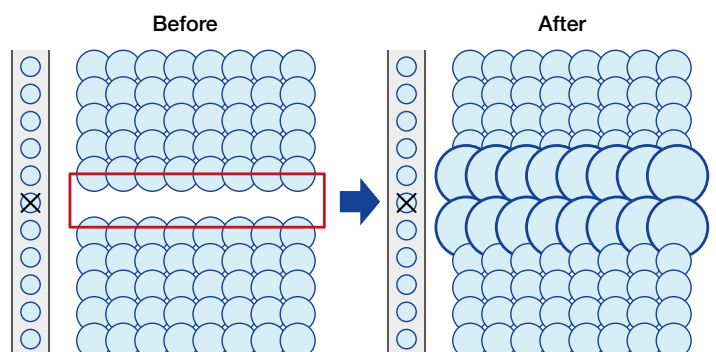


Newly developed hybrid drying system

The L-5034 hybrid drying system is tailored for a range of label substrates. This smart 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 and productivity.

Fully-automatic nozzle compensation

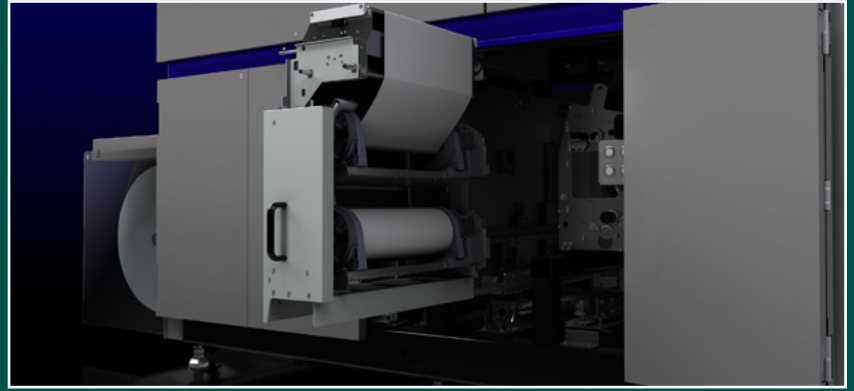
Epson's unique Nozzle Verification Technology (NVT) monitors the nozzle status in real time. If missing nozzles are detected, high-speed image processing is immediately executed to compensate just before the printing pass without stopping production. Resulting in less print waste, less downtime and higher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



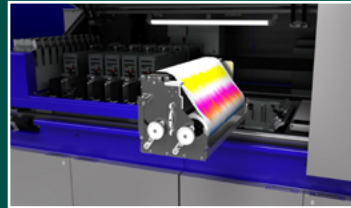
User-friendly

Designed for efficiency

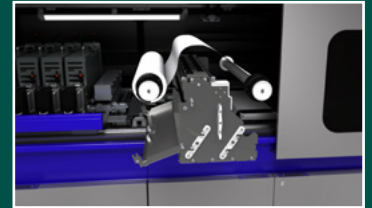
A newly designed automated printhead cleaning system minimises operator intervention and manual maintenance, to achieve higher productivity and dependable performance, on this easy to operate digital label press.



Wiping roll



Flushing roll



New SurePress AQ ink T5

Vibrant colour. Durable results

Newly developed SurePress AQ ink, an evolution on the L-4000 series water-based pigment resin ink, offers improved print quality. The advanced Six-Colour ink set, CMYK plus Orange and Green, delivers outstanding colour gamut and wide Pantone coverage.

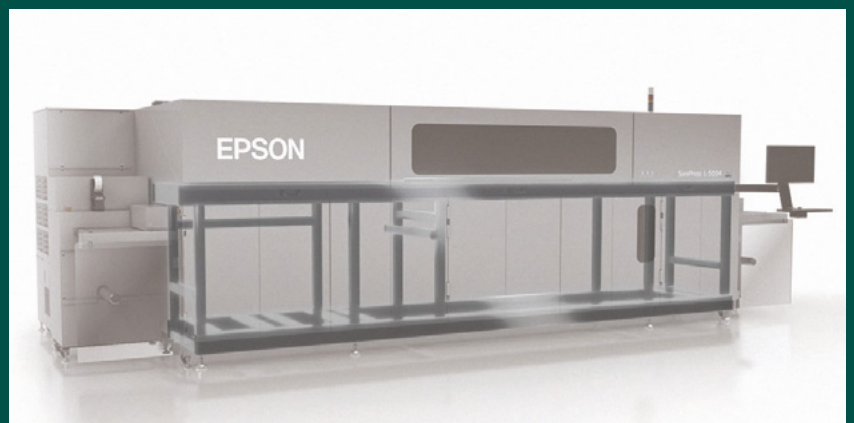
Ink safety

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.

A highly robust frame

A highly robust frame supports high-speed printing while minimising the distance between the 1200 × 1200dpi printheads and the platen, ensuring precise ink drop placement for consistently superior image quality.



A highly robust frame

Specification

Printing method	PrecisionCore Print Head, Lateral Scanning Method
Ink type	Water-based Pigment Ink
Resolution	1200 × 1200dpi
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 × 330.2 mm
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

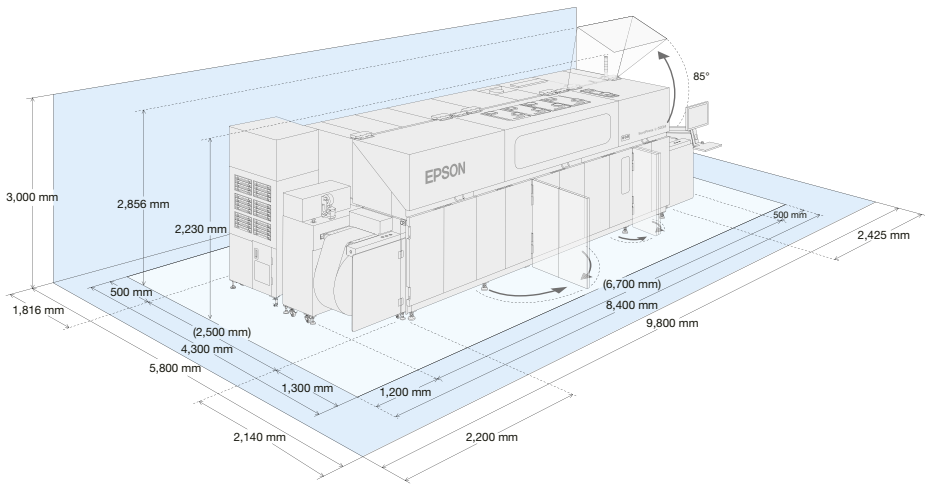
Ink

Ink name		Volume
AQ Optimizer	AP	1,600 ml
AQ Optimizer	AF	
Cyan	C	
Magenta	M	
Yellow	Y	
Black	BK	
Orange	OR	
Green	GR	
Over print liquid	OP	
Moisture liquid	MO	
Storage liquid	ST	

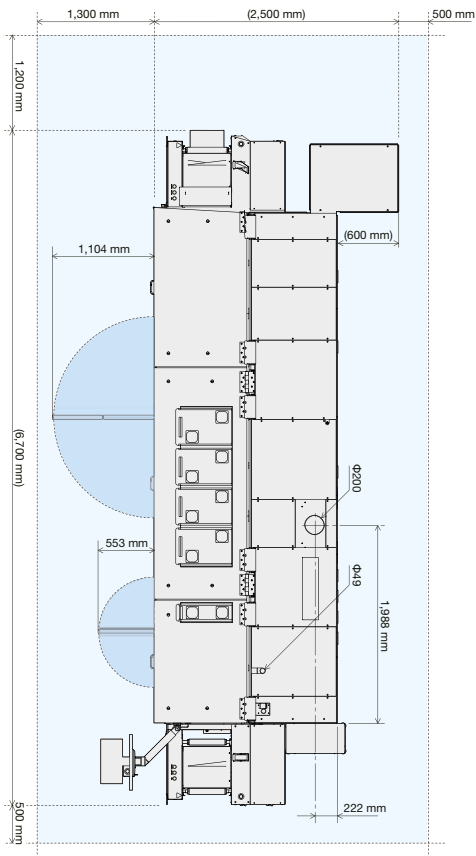
External dimensions & installation space

Width	6,720 mm (with Unwinder and Rewinder units connected)
Depth	2,490 mm (including ink server unit)
Height	2,230 mm (including tower lamp)
Required operating space	8,400 mm × 3,000 mm
Required installation height	3,000 mm
Floor load capacity	450 kg/m ²

Installation space



Operating space



Please recycle responsibly

For further information please contact your local Epson office or visit www.epson.eu/contact-us

Austria 01 253 49 78 333 Belgium +32 (0)2 792 04 47 Czech +420 246 037 281 Denmark 44 50 85 85 Finland 09-3158 3267
France 09 74 75 04 04 (Cost of local call, operator charges may apply) Germany +49 (0) 211 54229-0 Greece (0030) 211 198 62 12
Hungary 06800 147 83 Ireland 01 436 7742 Italy 02-660321 10 (0,12 €/min) Luxembourg +352 27860692 Netherlands +31 (0)20 708 5099
Norway +47 67 11 37 00 Poland +48 22 295 37 25 (0,16 zł/min) Portugal 707 222 111 Romania 0040 214025024 Slovakia +421 232 786 682
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