

UV Inkjet Digital Label Press

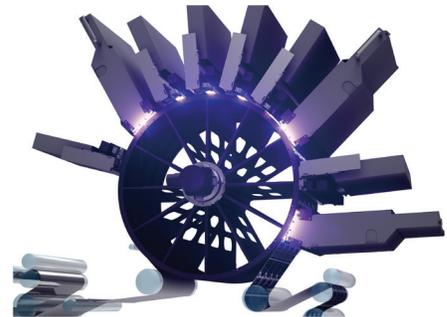
SurePress® L-6534VW



The automated Epson® SurePress L-6534VW Digital Label Press will reliably produce up to 2 million square feet per month*. The L-6534VW comes standard with White Ink and either digital varnish or Orange Ink, corona treater, web cleaner, ionizer, eye mark sensor and an additional UV lamp — everything required for prime label production. Digital hybrid inline interface is also available.

HIGH PRODUCTIVITY

The L-6534VW will produce up to 2 million square feet per month* using Epson's PrecisionCore® linehead, a highly accurate web-feeding technology and Epson's own LED UV ink. This figure refers to actual sold labels produced month to month by a SurePress printer installed in a business like yours.



PrecisionCore®

Print chips consistently fire uniform dots using precision-made ultra circular nozzles, enabling precise drop placement for ultra razor-sharp definition. Made by Epson, printheads are reasonably priced, with long-term ownership in mind.

Epson LED pinning and curing lamps are made by Epson for high-volume production. When combined with Epson printheads, little heat is produced, enabling thin films to be run without a chiller.

Drum Platen

The L-6534VW uses a drum platen, a highly accurate web-feeding technology that holds the substrate tightly to prevent meandering and skewing of the web. Unlike camber systems, which can lose registration with thinner media, the substrate is "fixed" to the drum as it passes all printhead colors, hence providing excellent color-to-color registration. The drum platen ensures the gap between the printhead and substrate is kept very small (0.7 mm), enabling accurate ink placement and crisp text.

AUTOMATED PRINTING

Reducing Operator Tasks and Focusing on Quality and Production

By simplifying tasks such as substrate changes, eliminating manual cleaning during the production day by automatically cleaning the heads and checking performance, and including a digital spot varnish, SurePress helps with your operation's efficiency. The press is controlled by a dedicated industrial robotic controller designed and manufactured by Epson.

Substrate Control

To change the substrate, just select the option from the control panel, no testing or adjustment needed. Automated monitoring is done to ensure registration and prevent web breaks. Tasks such as reverse printing become easy.



Digital Varnish Ink

The L-6534VW has spot-varnish capability using Epson's innovative digital varnish. A gloss and matte spot finish can be applied anywhere on the label. Brand owners can now use unlimited tactile designs and effects such as simulated foiling and embossing.



A Digital Hybrid

For real efficiency in your long runs, create a digital hybrid by putting an inspection camera and finisher after the press and a large roll or coater before the press, using Epson's interfaces.

RELIABLE OPERATION

Stable Operation

The L-6534VW automatically cleans and checks the printhead function. Nozzle Verification Technology checks nozzle status automatically by applying voltage to piezo elements and detects malfunctions in milliseconds. All nozzles are checked after cleaning and before printing. The printhead maintenance function automatically cleans nozzles to minimize operator interaction and increase automation. The web cleaner wipes off debris from the surface of the substrate along with the exhaust fan of the corona treater. Additionally, an ionizer removes static electricity from the surface of the substrate and improves the ejection stability during printing.



Exceptional Service Coverage

Epson service teams and parts are regionally deployed and assigned to specific customers. Epson field technicians are backed by engineers who designed, built and manufactured the press. The Epson service supply chain is robust and redundant, demonstrating resilience to shortages and price spikes.

Customer Support by ERMS

Epson Remote Management System (ERMS) is an innovative cloud-based monitoring and management system that delivers advanced remote diagnostics, allowing Epson technicians to perform 24-hour remote monitoring for quick response; prediction of press behavior is done either in advance or in place of a service visit.

PREDICTABILITY

Epson Manufactured Inks Add Predictability to your Operations

Epson SurePress inks and tested substrates conform to standards for BS-5609¹ and UL 969², which includes a test for Xe-lightfastness at up to 850 hours. Epson-formulated inks allow a wide variety of standard flexo materials to be utilized. A corona treater and additional UV lamp are included to enhance printing on typical substrates. The low-temperature UV LED cure enables printing on heat-sensitive substrates such as polyethylene (PE) and shrink film.

Food Contact Materials (FCM) Compliance

L-6534VW inks comply with the EU regulation for FCM (EC No. 1935/2004)³.

Ink production is done under cleanroom hygienic process control and good manufacturing practices (GMP) under the FCM standard⁴.

The inks are on the approved list of substances included in the Swiss Ordinance⁵. Testing performed under the standardized testing conditions set out in Annex V of the Food Contact Plastics Regulation (EU) 10/2011 confirmed that SurePress UV inks on PET, BOPP and PE are within the overall migration limit set by the regulation⁶.



More Color for Your Investment with Wide Gamut

Epson-designed and produced UV ink contains a high concentration of pigment particles and, along with LED UV pinning, enables a wide color gamut and vivid colors.

Epson can remarkably achieve 87% of the PANTONE[®] range with just four colors. When Orange Ink (optional) is added, 92% of the PANTONE[®] range is covered.



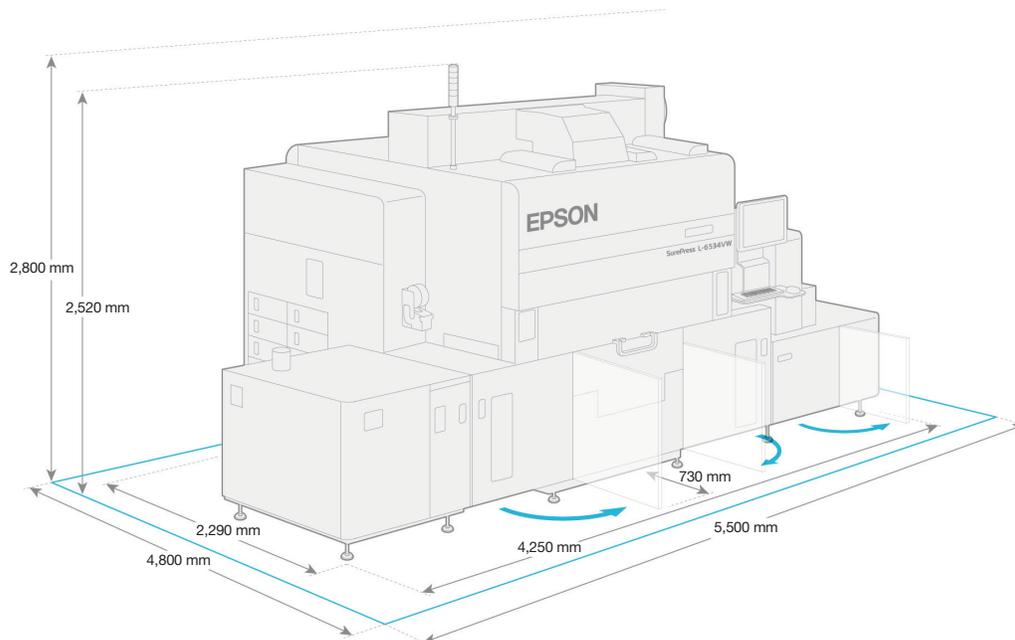
High-Opacity White Ink

Single-pass, high-opacity White Ink provides an ideal base layer for the L-6534VW to print vivid colors on clear or metallic substrates. This bright ink also reproduces opaque fine text and lines. It is automatically conditioned for reliable printing.



SPECIFICATIONS

Model Names		L-6534VW Dv and L-6534VW Orange
Print	Print Technology	PrecisionCore inkjet linehead technology
	Maximum Print Resolution	600 x 1200 dpi
	Gradation Process	Variable-Sized Droplet Technology
	Maximum Image Size	330 mm x 1000 mm
Ink	Ink Type, Colors	UV; Black, Cyan, Magenta, Yellow, White, and Digital Varnish or Orange
	PANTONE	85% with CMYKW; 92% with CMYKOrW
Print Speed	Productivity Mode	50 m/min
	Standard Mode	30 m/min
	Variable Data Speed	50 m/min
Substrate	Substrate Width	80 mm to 340 mm
	Substrate Type	Adhesive paper, adhesive film, single-layer paper and single-layer film
	Substrate Thickness	80 microns to 320 microns
	Unwinder Capacity	600 mm diameter / 100 kg weight / 1,000 m length
Dimensions	Dimensions (W x D x H)	4,250 mm x 2,290 mm x 2,520 mm
Weight	Weight	Approx. 2,640 kg
Environment	Temperature	20° C – 28° C
	Humidity	RH 35% – 55%, no condensation required
	Space for Operation	5.5 m x 4.8 m x 2.8 m (W x D x H)
Electric Supply	Main Unit	AC 200 V +/- 10% (3 phases [3 lines] + PE)
	Corona Treater	AC 200 V – 240 V +/- 10% (Single phase + PE), 15 A
	Additional UV Lamp	AC 200 V – 240 V +/- 10% (Single phase + PE), 40 A
Exhaust	Main Unit	40-55 m ³ /min, Φ 250 mm
	Corona Treater	12 m ³ /min or more, Φ 100 mm
	Additional UV Lamp	10-15 m ³ /min, Φ 200 mm, 150 mm
Compressed Air	Compressed Air	0.5 MPa – 1.0 MPa
Network	Network	10Base-T/100Base-T/1000Base-T



* Verified by Epson Remote Management System.

- 1 Printing with SurePress UV inks, used in combination with UPM Raflatac® EAN 79803 PE GLOSS WHITE TC85/RP37/HD70 WHITE and UPM Raflatac EAN 8043608 PP WHITE TC60/RP37/HD70 WG, has been BS-5609 certified.
- 2 Printing with SurePress UV inks, used in combination with Fasson® PS Label 2M WH PET TC/S8025/50#SCK, 2M CL PET TC/S8025/50#SCK, 2M MAT CH PET TC/S8001/50#SCK, 2M WH PET TC/S8001/50#SCK, 2.3M WH PET TC/S8001/50#SCK, 4M WH FLEX ITC/S8025/50#SCK and Fasson Overlamination 1M CL PRT PET/S8020/1M PET, has been UL 969 certified.
- 3 The L-6534VW inks are not intended for direct food contact printing. The safety compliance judgment for the finished product is the responsibility of the final manufacturer, as it is based on the customer's packaging form.
- 4 Good Manufacturing Practice (EC No. 10/2011).
- 5 Swiss Ordinance (RS 817.023.21, Annex 10).
- 6 Plastic Implementation Measure (EU No. 10/2011). Based on the packaging form conditions assumed by Epson.

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