

EPSON®

SurePress® L-6534VW

Digital Label Press Buyer's Guide



Sure to Impress™.

Meet the SurePress L-6534VW Digital Label Press, available with either Digital Varnish or Orange Ink. Designed to meet the most demanding prime label requirements.



Why SurePress

With innovative Epson® technology and world-class service and support, SurePress digital label presses provide a comprehensive solution that's optimized to meet a variety of prime label printing needs.

Innovative Epson Technology

Take Your Business to the Next Level

Engineered to elevate productivity and expand your business, SurePress label presses deliver next-level performance thanks to proprietary PrecisionCore® technology. Featuring Epson inks that cover a wide PANTONE® solid-coated color gamut and optional digital varnish, SurePress label presses meet G7 certification standards and consistently produce vibrant, colorful prints with crisp text, smooth gradations and fine lines. Plus, with user-friendly operation, streamlining your workflow is easy and efficient.

Dedicated Industry Experts

Committed to Your Success

When you choose Epson, you gain access to a dedicated team of experts focused on your success. We take a consultative, collaborative approach, working with you to uncover the optimal solution to your unique business needs. Your partner in prime label printing, we provide ongoing support and industry insight to help you achieve a competitive edge.

World-Class Service

Maximize Productivity. Minimize Downtime.

We help keep your business running reliably and predictably with world-class service and support. The Epson Remote Monitoring System makes it easy to identify and resolve issues quickly. In addition, Epson Certified Technicians, renowned for their expertise, are available nationwide to deliver next-business-day service¹ at your location. We also offer comprehensive training to help streamline your workflow and maximize productivity.



The Epson Advantage

The SurePress L-6534VW is available with Digital Varnish or Orange Ink and features high-pigment, low-migration LED UV curing ink that can be used on a wide variety of substrates. The L-6534VW produces high-quality, durable prime labels and packaging that are Sure to Impress. Automated features help keep productivity high, total cost of ownership low and press operation simple.

High-Quality Prime Label Printing

Print durable prime labels for craft beer and spirits, wine, food and beverage, industrial products, health and beauty, household products, pharmaceuticals, nutraceuticals, cannabis, window graphics, point-of-purchase displays, durables and more.

Print and Embellish in a Single Pass with Digital Varnish

Color and digital embellishments can be printed at the same time to create an upscale look—no plates, no setup, low waste. Enhance your offering to existing customers and create new opportunities for profitability.

Fine Lines and Sharp Text

PrecisionCore technology prints at 600 x 1200 dpi, making it ideal for prime labels on products such as pharmaceuticals and nutraceuticals.

Reverse Web Feeding and Printing Versatility

Reverse web feeding helps save substrate between jobs. Re-registration allows additional printing or embellishment for a tactile feel.

Wide Color Gamut for Prime Label Printing Needs

SurePress inks cover the GRACoL® 2013 CRPC6 print profile using just four colors and meet Idealliance® G7 specifications —color profiles are stable on the press, and recalibration is not needed.



Scan to see the
SurePress L-6534VW
in action.



Single-Operator Use

Automated features—such as auto cleaning of printheads using Nozzle Verification Technology, preset workflows for printing, automated substrate changes, and web guide and tension monitoring systems—allow operators to allocate their time to other production processes.

Simplified Maintenance

Auto cleaning throughout the production day minimizes the amount of manual cleaning needed at the end of the day.

Substrate Flexibility

Easily change your substrate type by selecting a preset profile—no recalibration is needed.

Variable Data Printing (VDP)

Variable Data Printing capabilities up to 50 m/min.



Powered by PrecisionCore

PrecisionCore is advanced printing technology engineered by Epson to power the world's top-performing printers. This disruptively simple, smart and clean solution delivers superior quality at high speeds with low waste, across a wide range of applications. With over 40 years of expertise, Epson has perfected the chip manufacturing process. The use of precise automation and quality control enables permanent, high-quality printheads, high yields, and consistent quality.

Designed for Efficiency

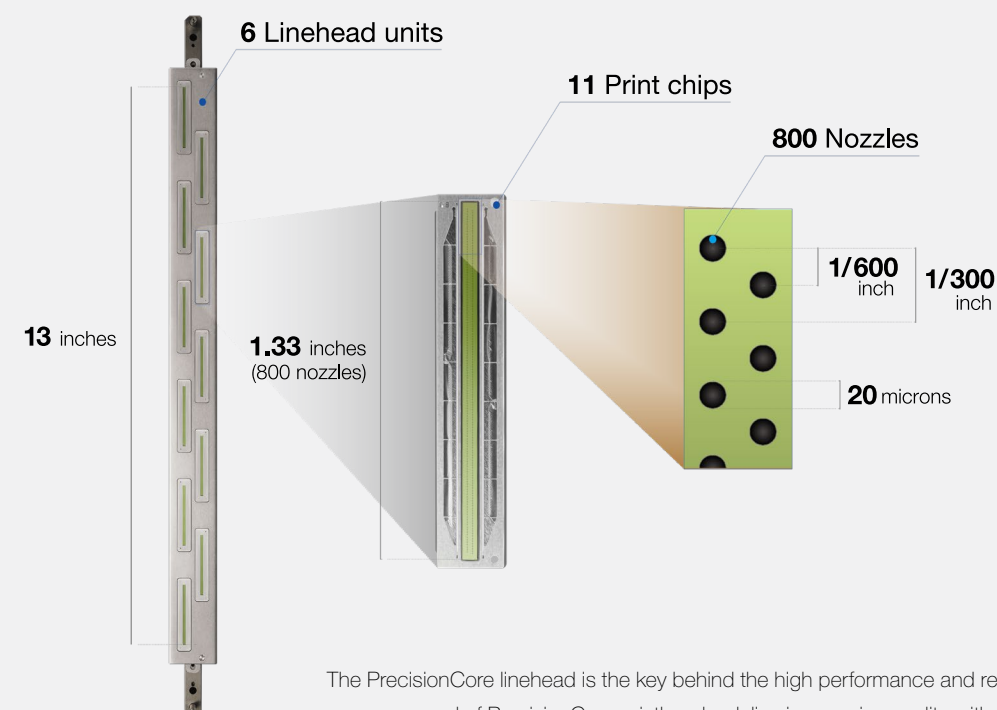
PrecisionCore is built using innovative Heat-Free technology that enables not only efficient ink usage but also low power consumption, which requires less energy.

Designed to Reduce

With fewer maintenance parts to service, high-yield consumables, and printheads designed to last the life of the printer, PrecisionCore technology is engineered to help reduce waste, electricity and service calls.

Designed with the Future in Mind

Epson is committed to developing efficient, compact and precise innovation to reduce our environmental footprint and shape the future of printing.



Scan to learn more about PrecisionCore technology at www.epson.com/precisioncore

The PrecisionCore linehead is the key behind the high performance and reliability of the L-6534VW. Each of the six lineheads are composed of PrecisionCore printheads, delivering precise quality with accuracy and high resolution. Smooth and natural gradations and color tones, from highlights to shadows, can be reproduced using a minimum droplet size of 3 picoliters and Variable-Sized Droplet Technology. PrecisionCore print chips consistently fire uniform dots using precision-made, circular nozzles, enabling precise drop placement for razor-sharp definition.

There's No Time for Downtime When Running Your Business

User-Friendly, Single-Operator Automation

Job configuration can be quickly set, and operating status can be readily checked at any time. Settings for specific types of jobs can be saved, so setup is even faster when jobs are repeated.

Epson Remote Monitoring System

The operational status of the press can be monitored using a remote monitoring server. This allows for a quick response and predictive analysis in advance of a service visit.

Epson Cloud Solution PORT®2

Designed with simplicity and security in mind, this breakthrough platform provides a live view of your Epson professional printer fleet production, equipment utilization and service information to optimize printer workflow and maximize operational efficiency.

Limited Warranty

SurePress label presses come with a 1-year limited warranty, featuring comprehensive coverage that includes on-site technical support, parts (including printheads), labor and travel, as well as preventative maintenance visits.

Epson PreferredSM Plus Extended Service Plans¹

Extended service plans are available for up to a total of 7 years of continuous coverage. With three on-site service options available, you are able to select a plan that best meets your coverage needs while providing a cost-effective way to protect your investment.



Epson LED UV Inks: More Color for Your Investment

The L-6534VW uses LED UV ink that is designed and produced by Epson. The ink contains a high concentration of pigment particles and, along with LED UV pinning, delivers an exceptionally wide color gamut, tonal gradation, fine details and vivid colors that brand owners require.

Featuring High-Opacity White Ink

High-opacity White Ink provides high-density performance and offers the ideal base layer for printing vivid colors on clear packaging or metallic substrates. White Ink also produces opaque, fine text and lines, even when printing on clear labels for clear packaging. Additionally, it offers the flexibility to print white on top of colors as well as to reverse-print on media such as film (to view content from the back of the film).



SurePress L-6534VW with Orange Ink

The L-6534VW with premium Orange Ink achieves up to 92 percent of the full PANTONE range as verified by PANTONE certification, with a Delta E 2000 color difference of less than 1.5.



SurePress L-6534VW with Digital Varnish (DV)

Epson's innovative DV Ink allows you to print and embellish labels in just one pass, with no plates or special setup. Digital varnish delivers smooth gloss and matte spot finishes, which can be applied individually or in combination on the same label, to create tactile designs such as simulated foiling and embossing. The L-6534VW with DV covers the GRACoL 2013 reference print profile and up to 88 percent of the PANTONE range as verified by PANTONE certification.



Gloss



Matte



Spot Varnish



Scan to see the L-6534VW with DV create high-impact metallic foil effects.

Maintains Industry Safety Standards

SurePress inks comply with Food Contact Materials (FCM) and Good Manufacturing Practices (GMP) regulations and standards of the U.S. Food and Drug Administration (FDA) and European Printing Ink Association (EuPIA):

- EU Regulation framework (FCM EC No. 1935/2004)
- GMP Regulation (GMP EC No. 2023/2006)
- Plastics Implementation Measure (PIM EU 10/2011)³
- Swiss Ordinance on FCM (RS 817.023.21, Annex 10)⁴

Ink Eco Features

SurePress inks are CMR-free, Proposition 65 compliant and RoHS compliant.

Formulated and Manufactured at Epson Facilities

SurePress inks are produced in cleanroom environments to ISO standards. They are manufactured using hygienic ink processes⁵ (to control pests, hygiene and sterilization) and follow the Hazard Analysis and Critical Control Point (HACCP) risk assessment principle.

Meets Industry Standards for Quality and Durability

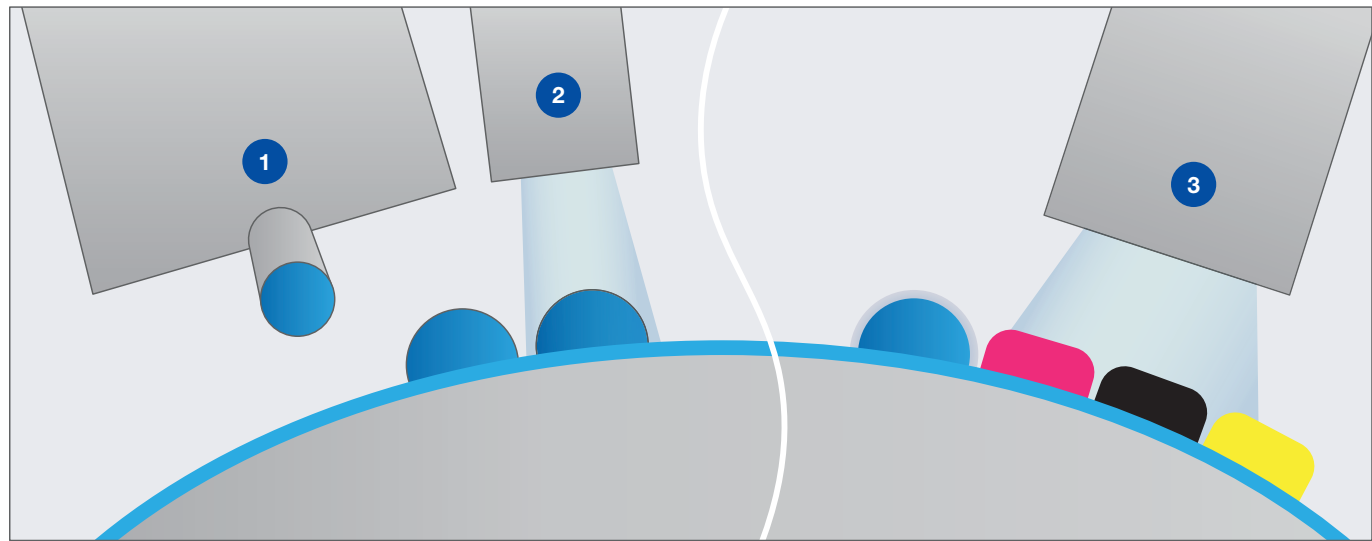
SurePress inks and tested substrates conform to standards for BS 5609⁶ and UL 969⁷, which includes a test for Xe-lightfastness at up to 850 hours.

LED UV Pinning and Curing System

Epson-developed pinning technology realizes ultra sharp dots and incredibly thin lines. LED pinning and curing lamps are made in-house for high-volume production. When combined with Epson printheads, little heat is jetted and no external chiller units are needed.

UV Pinning Process

Epson's own LED UV pinning system semi-cures and stabilizes, controlling ink spread for finer tonal gradation, sharp images and vivid colors. UV light is applied immediately after each color is printed. This allows perfectly round drops to be placed in their correct positions. The UV pinning prevents ink drops from spreading or deforming, enabling the reproduction of smooth gradations and sharp, detailed text. Ink is cured before absorption into substrates, providing vivid colors and sharp lines.



1 Droplet is jetted onto substrate

2 Droplet is pinned

3 Droplet is cured



Scan to discover more technical features.

Epson UV LED Lamps

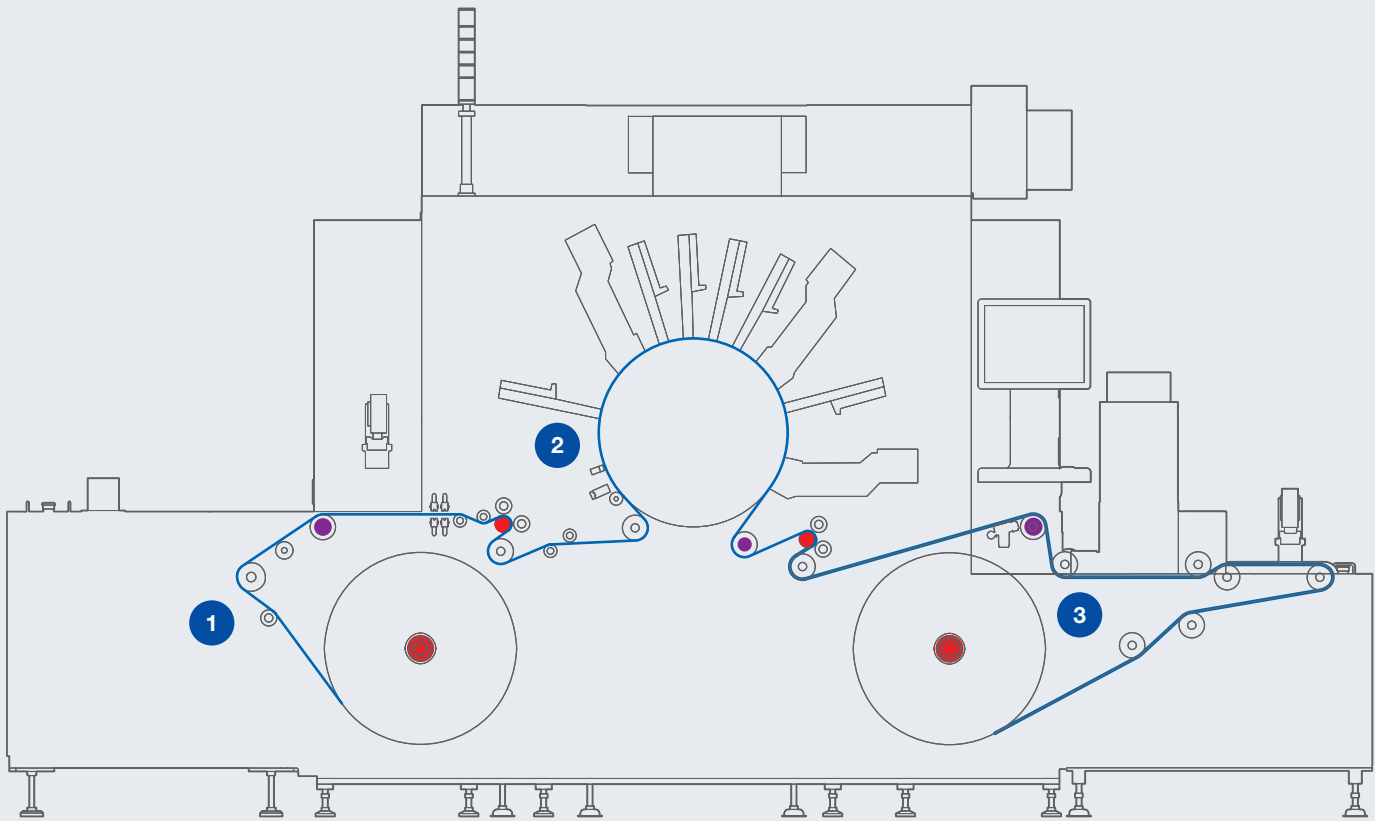
UV LED lamps developed by Epson for the L-6534VW are purpose-built for pinning and curing in high-volume production environments.

They include the following features:

- Low-temperature curing enables printing on heat-sensitive materials, thus increasing the variety of compatible substrates
- Compared with conventional UV lamps, UV LED lamps have low power consumption, long service lives and low running costs

Superb Web-Feeding Accuracy

The central drum system of the L-6534VW uses highly accurate web-feeding technology to achieve exceptional image quality, easy operation and increased throughput. Dedicated tension control in the unwinding, print and rewinding areas reduces web breaks and other tension problems.



1

Unwinding Area

The substrate's unwind tension is controlled by strain gauges (indicated in purple), which in turn adjust the torque of the feed (indicated in red). Steering control by the paper edge sensor ensures straight substrate feeding by adjusting the roll's position.

2

Drum Platen

The L-6534VW uses a drum platen that holds the substrate tightly to prevent meandering and skewing of the web. The substrate is "fixed" to the drum as it passes all printhead colors, providing excellent color-to-color registration. The drum platen technology enables accurate ink placement and crisp text.

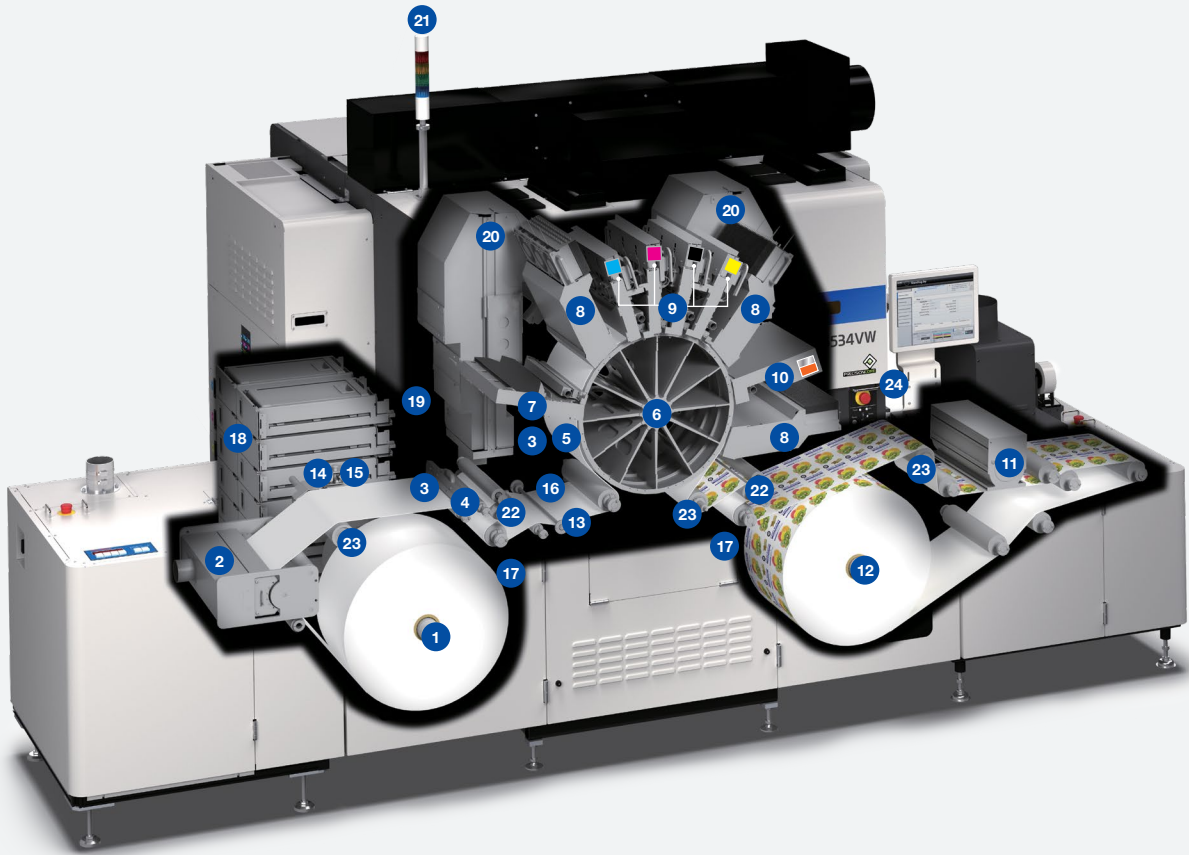
3

Rewinding Area

Epson's unique design makes reverse feeding possible without removing the roll, which helps to reduce substrate waste between print jobs and increase operational efficiency.

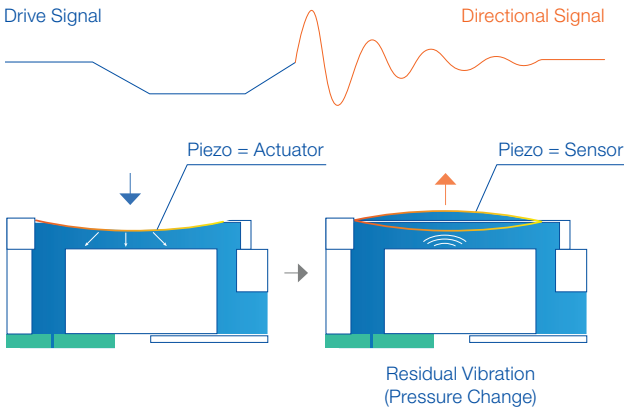
Technology Overview

Epson's leadership recognized early on that making exceptional prime label printing a reality required in-house development of key technologies, engineered to work together optimally. To that end, Epson manufactures the critical system components of the L-6534VW, including the printheads, ink, UV pinning system and central drum platen.



- | | | |
|---------------------------------------|--|---------------------------------|
| 1. Unwinder | 9. CMYK linehead / UV LED pinning lamp / Mist vacuum | 17. Roll diameter sensor |
| 2. Corona treater | 10. DV linehead / Mist vacuum / Optional Orange Ink | 18. Dual-ink cartridge holder |
| 3. Ionizer | 11. Additional UV lamp | 19. Automatic maintenance unit |
| 4. Web cleaner | 12. Rewinder | 20. Ink circulation system |
| 5. Foreign substance detection roller | 13. Paper width sensor | 21. Status lamp |
| 6. Drum platen | 14. Paper edge sensor | 22. Tension control nip rollers |
| 7. White linehead / Mist vacuum | 15. Splice sensor | 23. Strain / tension gauges |
| 8. Curing units | 16. Eye mark / re-registration sensor | 24. Controller PC |

Productivity Features



Automated Nozzle Verification Technology

Epson's unique Nozzle Verification Technology checks and verifies that the press is always ready to print. A manually printed nozzle check pattern is not required to check whether a nozzle is firing.

Auto Head Maintenance

The auto head maintenance cycle cleans and self-checks the printheads to avoid nozzle clogging. The printer cleans the nozzles automatically during production.

Easy Ink Replacement

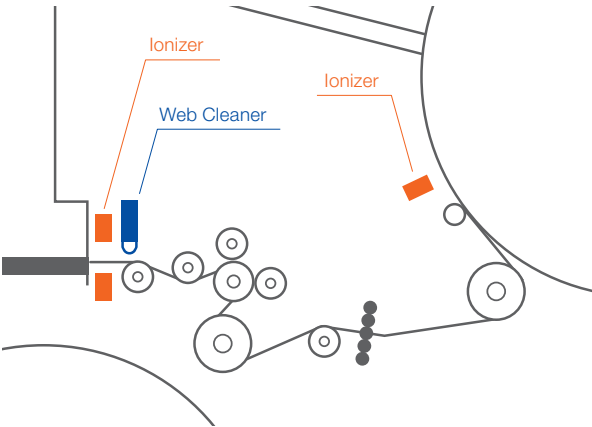
Hot-swappable, redundant ink bags feature packaging that helps minimize downtime by reducing spillage and contamination.

In-line Interfaces

These allow for physical and electronic connections of pre- and post-printing devices (e.g., priming units, coating units, inspection systems and finishing units).

Management Information Software

The Epson Cloud Solution PORT² offers live production monitoring and collaboration tools to help manage efficiency and optimize your Epson printing workflow.



Ionizers

The ionizers neutralize static electricity and maintain accurate ink drop placement. They are installed in three locations throughout the press. Two are located where the substrate is unwound from the roll, and one is located immediately before the printing start point.

Mist Vacuum

Ink mist is removed by vacuum units behind each printhead, helping reduce overspray on the printhead. Because the mist vacuum keeps the printhead area clean, operator maintenance is only required once every 24 hours.

Re-registration Printing

When eye marks are used, the press can print in registration to previously printed images by detecting the eye marks. This feature can also be used to print on the reverse side of a substrate.

Web Cleaner

The web cleaner removes dirt from the surface of the substrate to prevent nozzle clogging.



See the SurePress L-6534VW in action at www.epson.com/surepress

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Scan to learn more about
the SurePress L-6534VW.

1 Product comes with a 1-year limited warranty with the option to purchase extended service plans up to a maximum of 7 years of continuous coverage. Extended service plan can be purchased anytime that you are covered under an Epson limited warranty or Epson extended service plan. Each year of extended coverage can be either Epson Preferred Plus Essential, Epson Preferred Plus Enhanced or Epson Preferred Plus Elite. Selected plan can vary from year to year. **2** All features of this system require an active Internet connection and the use of a supported browser. **3** Primary migration test certification is based on the packaging form conditions assumed by Epson, within the test conditions defined by PIM regulations. PIM is the Plastics Implementation Measure (EU No. 10/2011), the test regulation that defined the limit value of substances migrated through the packaging film substrate under the specific storage conditions for each food. **4** SurePress 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. **5** Ink is not an edible, but Epson food label inks production has realized the hygiene process controls of the food level regulation "less than 100 bacteria/g of general standard of drinking water." **6** 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. **7** 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.

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