

Label printing challenges and solutions for retail

Why choose Epson TM-L100 linerless label printers?



EPSON[®]

An answer to your label printing challenges

Printing labels on demand in retail environments comes with a unique set of challenges – from maintaining operational efficiency and reducing checkout queues to self-service, usability and maintenance.

Printers embedded into weighing scales can add an extra layer of complexity. Upgrading to linerless label printers presents a smart, straightforward and more sustainable solution.



Discover why TM-L100 is the ideal solution

- 1 Improve user experience
- 2 Boost efficiency at the POS
- 3 Manage limited counter space
- 4 Streamline cleanup and maintenance
- 5 Make regulatory compliance simple
- 6 Meet sustainability targets
- 7 Maximise compatibility and flexibility

Challenge 1

Improve user experience

Hard-to-use equipment can lead to more errors, maintenance and wasted time. Both employees and customers must use and troubleshoot weighing scales, printers and other equipment quickly and correctly.

With the printers often facing the customer, they need to be intuitive, efficient and deliver a seamless experience.



What makes TM-L100 so intuitive and easy to use?

Easy weighing without waste

TM-L100 improves user experience through simple, fast, and reliable operation:

The printer uses thermal, linerless labels, enabling simple and speedy application with no need to peel off backing paper.

A sensor detects whether a printed label has been removed, preventing the printing of another label until the first one is taken – ideal for intuitive customer use.

TM-L100 is compatible with linerless media with strong adhesive, ensuring the label stays in place and does not fall off.

Boost efficiency at the POS

Like most industries, retailers are under pressure to boost efficiency and do more with less. Weighing and printing labels is a manual, repetitive step in an employee's day.

Where scales are customer-facing, slow operation, errors and confusion can cause queues and frustrations at busier times.



How does TM-L100 improve operational efficiency?

Grab and go without delay

TM-L100 makes service and self-service fast, efficient and frustration-free:

Weighing items and printing price labels before checkout speeds up the transaction process.

Queue times are reduced at checkout as TM-L100 eliminates the need for cashiers to manually weigh or price items.

Linerless labels reduce clean-up time for employees as no backing paper is left lying around.

Challenge 3

Manage limited counter space

Smaller retailers, butchers, bakers and fishmongers often struggle with space at checkouts and counters.

Even large supermarkets have limited space to display produce, and scales and print equipment can take up valuable space.



How does TM-L100 help maximise your available space?

Compact design without compromise

TM-L100 is a small, inconspicuous unit that can be placed in a variety of strategic locations:

TM-L100 can be positioned vertically, horizontally or wall-mounted for flexible installation.

A sleek, unobtrusive design ensures the printer doesn't draw focus from your products, displays or shelf labels.

Linerless labels mean there's no waste, helping to keep counters uncluttered – and with no need for customer-facing bins.

Streamline cleanup and maintenance

In retail environments, scales with embedded printers are vulnerable to damage – especially in humid environments or where meat, seafood and fresh produce are handled.

Hardware and equipment must be reliable and water-resistant, so it can withstand spills and be wiped clean regularly.

How does TM-L100 support easy cleanup and maintenance?

Easy clean without complexity

TM-L100 is a sleek, wipe-clean unit designed to withstand spills and regular cleaning:

TM-L100's silicone laminate front panel makes it quick and easy to clean, and prevents the labels from sticking to the printer.

With no liners, less waste accumulates around the weighing station enabling quicker, more consistent cleaning and roll changes.

Because the printer can be mounted separately, away from the scales, it's easier to avoid day-to-day spills from customer use, spoiled or leaking produce, and condensation.

Challenge 5

Make regulatory compliance as easy as possible

Product labels must comply with multiple food labelling laws and regulations.

From ingredient lists to allergens, nutritional information, traceability and barcodes, there's a lot of information to get across.



How can TM-L100 ensure labels are compliant and consistent?

Compliance without complications

TM-L100 integrates with weighing scales to print labels that include the product weight and barcode, along with any legally required information – all in a straightforward and streamlined workflow.

Challenge 6

Meet sustainability targets

Businesses are under increasing pressure to keep track of their environmental impact and reduce waste throughout the supply chain.

Cutting down the amount of paper waste, at scale, is a significant contribution.



How does TM-L100 help you reduce waste and contribute to sustainability targets?

Label printing without unnecessary waste

Because TM-L100 delivers linerless labels, it doesn't produce paper waste from backing materials.

Linerless labels can be cut at any size from a continuous roll. There is no need to stock labels in different pre-cut shapes.

The back-feed capability reduce paper usage, contributing to sustainability.

Linerless labels mean more labels per roll, reducing costs by saving space and having less roll changes.



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Challenge 7

Maximise compatibility and connectivity

Easy to connect: easily connect and integrate TM-L100 into existing POS systems, thanks to embedded ePOS capacities.



How does the TM-L100 fit into your setup?

Flexible connection and seamless integration

TM-L100 comes with intelligent functions to make life for customers and developers much easier. Software development kits (SDK's) are available for software developers to create native apps (Android, iOS and Windows Store apps) or web applications.



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TM-L100

SKU	C31CJ52103 C31CJ52103A0 C31CJ52103Z0 C31CJ52103Z1	C31CJ52111 C31CJ52111A0 C31CJ52111Z0 C31CJ52111Z1	C31CJ52121 C31CJ52121A0
Type	Linerless thermal label printer with support for strong adhesive labels		
Interface	USB + ethernet + serial	USB + ethernet	USB + ethernet + Bluetooth
		Optional WiFi dongle sold separately	
		1× USB type-A to device charging (2.1A)	
		2× USB type-A to connect POS peripherals (500mA)	
Print speed	Up to 170mm/sec		
Supported media width	40mm, 58mm or 80mm		
Other specifications	Compatible with linerless media		
	Label-taken sensor; prints one label at a time		
	Back-feed capability to reduce paper usage		
	Prints from the web with Server Direct Print technology		
	Same printer can be used for labels and receipts		
	Z0/Z1 models: compatible with most ZPL II commands		

Accessories

Description	SKU
DM-D30 / DM-D70: Customer display*	A61CF26101 / A61CF26111 A61CH62101 / A61CH62111
OT-WL06: Wireless LAN dongle 2.4/5GHz*	C32C891323 / C32C891327
OT-BZ20: External buzzer	C32C890634
OT-WH30: Wall hanging unit	C32C881017

* Cannot be connected to the Serial model

CoverPlus

Description	SKU
03 years CoverPlus Onsite service for TM-L100	CP03OSSECJ52
04 years CoverPlus Onsite service for TM-L100	CP04OSSECJ52
05 years CoverPlus Onsite service for TM-L100	CP05OSSECJ52
03 years CoverPlus RTB service for TM-L100	CP03RTBSCJ52
04 years CoverPlus RTB service for TM-L100	CP04RTBSCJ52
05 years CoverPlus RTB service for TM-L100	CP05RTBSCJ52

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