Linerless Printing Solutions

Stronger Together

Regulatory and Operational Hurdles in Business Labeling

Businesses frequently confront common labeling challenges, including:

Environmental regulation
Compliance with regulations like the EU's Environmental Act Programme (EAP).

Workplace safety
Adherence to Occupational Health and Safety (OHS) regulations is crucial for a safe work environment.
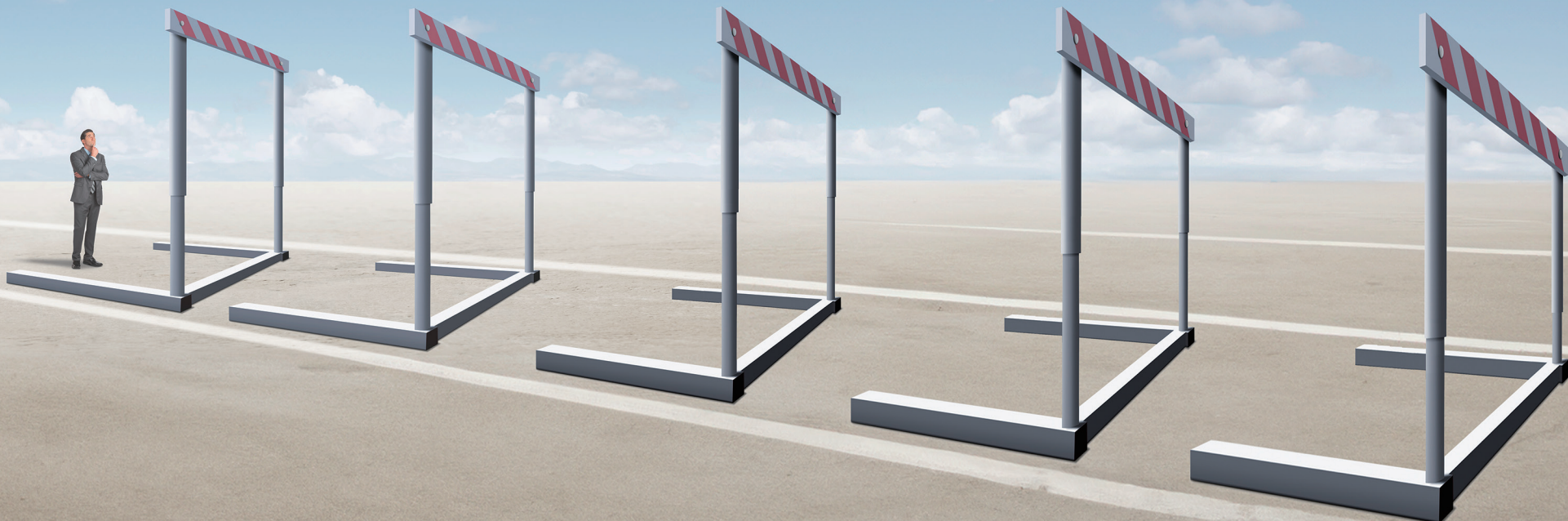
Efficiency
There's a need for more efficient methods to navigate labor shortages and enhance operational efficiency.

Various applications
Stocking diverse label sizes for varying printing requirements increases costs and management complexity.

Waste disposal
Recycling liners from labels incurs additional waste disposal costs and efforts

How Linerless Labeling Can Solve These Problems

Transitioning from traditional labels to linerless labels enables businesses to minimize environmental impact, improve operational efficiency, and enhance workplace safety.

Enhanced Sustainability and Safety

Contributes to a greener environment by eliminating liner waste and reducing hazards.

Reduced Cost

Enables usage of up to 40% or more labels per roll, resulting in reduced storage requirements, decreased freight costs, and the elimination of disposal handling.

Increased Efficiency

No peeling and fewer roll changes enhance efficiency. Variable-length printing allows both long and short labels on one roll for increased productivity.

Industry Applications

Linerless labeling is beneficial to some industries, such as retail, warehouse and logistics, and healthcare.

Retail labeling is dynamic, covering product packaging, price labeling, and promotional stickers. Linerless labels meet these diverse needs and are ideal for weight scaling, delis, meat departments, and bakeries.

In the warehouse and logistics industry, speed and smooth operation are crucial. Linerless labels are free from liners, eliminating peeling and waste, ensuring efficient processing and a safer work environment.

Accuracy and patient safety are paramount. Linerless labels provide a reliable solution for specimen and medication labeling, streamlining processes and minimizing errors at the point of application.

Green Printing for a Sustainable Future

Go Linerless! Why Wait?

While the cost per label remains nearly unchanged (Table 1), using linerless labels brings additional benefits (Table 2) and is significantly more environmentally friendly in the long run. So, why wait?

Table 1: Cost Example*

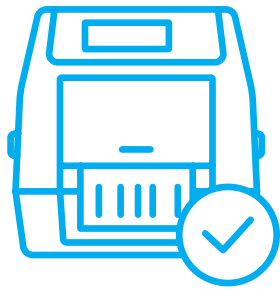|	Traditional Labels	Linerless Labels
Printing Amount	1,200 labels	1,968 labels
Cost (Approx.)	US $24.59/ roll	US $42.82/roll
Cost per Label	US $0.020/label	US $0.022/label

* This comparison is based on an 8-inch O.D. label roll.

Table 2: Key Benefits of Going Linerless

	Traditional Labels	Linerless Labels
Peel-off Time	Yes	No
Multiple Length Printing	No, die cut with fixed length	Yes, flexible, uses 100% of the roll length
Storage Space	More	Less, fewer rolls for the same number of labels
Logistics Costs	Higher because of more label rolls	Lower because of fewer label rolls
Disposal Costs	Yes, need to handle liner waste	No
Slipping Hazards	Moderate risk	Low risk

Consider This Before Adopting Linerless Labeling

Here are some tips and hints you need to know before choosing the right linerless printer to implement the linerless labeling solution.
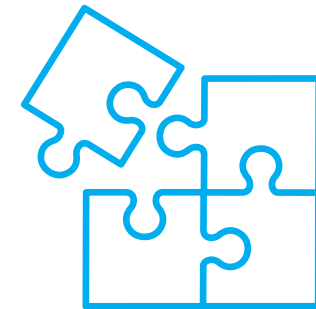
Stable Print Quality

Linerless labels' adhesive affects printing, causing sticking and residue, impacting printhead and print quality. A linerless printer requires specific hardware to address this challenge effectively.

Easy Cleaning and Maintenance

Given that residue is unavoidable, the ease of maintenance becomes crucial for regular residue cleaning. A safer linerless cutter cleaning design is also essential.

Wide Compatibility

The smooth interplay between the linerless printer and labels is vital for a hassle-free printing experience. Ensuring that major brands' linerless labels are validated with the linerless printer is crucial.

Why Choose the TSC Auto ID Linerless Solution?

Considering all points, the TSC Auto ID linerless printers are purpose-built to provide the best linerless printing user experience while maintaining good print quality.
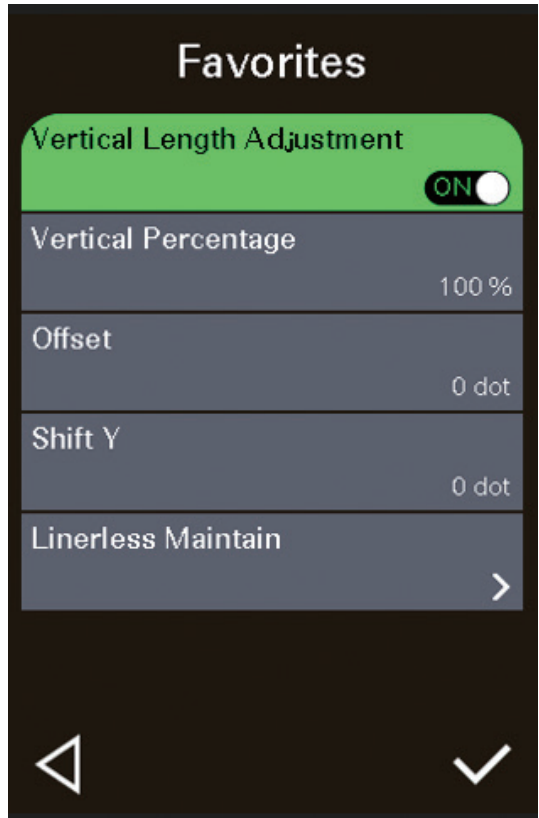
Great Anti-Adhesive Design

The printer and linerless accessories feature an anti-adhesive design. In particular, the printer's design reduces points of contact for linerless labels along the printing path, minimizing residue and preventing paper jams.
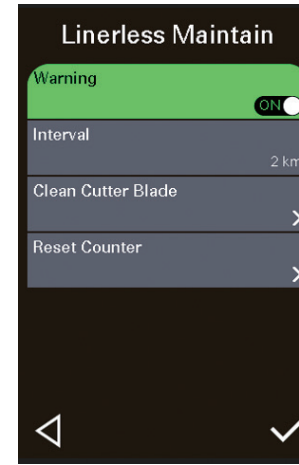
Good UI/UX Design for Superior Print Quality

A unique vertical DPI allows users to adjust the vertical print percentage directly from the display operation. It may resolve the deviation caused by the variation of media stickiness and can readjust the content to the correct position.

Easy and Safe Maintenance Design

Users can set cleaning reminders for needed maintenance. The upper blade protector prevents injuries during unexpected cutter door opening, while the cutter lock sensor avoids blade action when the door is open. Swift cleaning kits are available, facilitating regular maintenance completion in five minutes.

Wide Linerless Label Validation

Our linerless printers support a wide range of validated branded linerless media, making them suitable for various applications.

One-Stop Service

Apart from providing linerless printers and cleaning kits, we offer tailored linerless labels available in select regions. Guaranteed for optimal performance with our printers, our one-stop service meets all your linerless labeling needs when partnering with TSC Auto ID.

Linerless Printer Family

TSC provides a comprehensive linerless solution, offering mobile, desktop, and industrial printers suitable for diverse applications across industries.

Industrial Printers

Our industrial printer, designed for linerless labels, ensures high-performance, high-volume printing. With premium printhead technology and impressive speeds, the MB series guarantees high-quality labels for diverse industrial applications.

Mobile Printers

Print linerless labels on the go with our small, lightweight, and rugged models. Designed for efficiency, our mobile linerless printers ensure on-the-spot printing, minimizing downtime and boosting production with long-lasting battery life.

Desktop Printers

Our desktop printer, compatible with linerless labels, balances affordability, reliability, and durability. It's ideal for various applications at a highly competitive price point, including product marking, retail, and shipping labels.

Product Specifications

The table below will assist you in quickly identifying the printer that best suits your application needs.

	Mobile			Desktop			Industrial
Models	Alpha-30R (Premium)	Alpha-30L*	Alpha-40L	DA Series*	4-inch DH Series*[1]	2-inch DH Series*[1]	MB Series
Media Width	3"	3"	4"	4"	4"	2"	4"
Print Resolution	203 dpi	203 dpi	203 dpi	203/300 dpi	203/300 dpi	203/300 dpi	203/300 dpi
Max. Print Speed	152 mm (6")/sec	127 mm (5")/sec	127 mm (5")/sec	152.4 mm (6")/sec 102 mm (4")/sec	203 mm (8")/sec 152 mm (6")/sec	203 mm (8")/sec 152 mm (6")/sec	304.8 mm (12")/sec 228.6 mm (9")/sec
Max. Media Width	72 mm (2.83")	72 mm (2.83")	104 mm (4.09")	114mm (4.5")	120mm (4.72")	60mm (2.36")	120mm (4.7")
User Interface	Mono LCD	2.3" color LCD	2.3" color LCD	1 LED (3 colors: green, amber, red)	LCD	LCD, LED	• 3.5" color touch LCD • 6 operation buttons • 1 LED (with 2 LEDs: green, red)

* The Alpha-30L series, DA series and DH series also provide printer options created with hygienic designs for healthcare facilities.
[1] Optional narrow media adaptors for supporting the narrow label width to 10mm.

Success Stories

Hospitality

Retail

Elevating Fast Food Service Speed and Accuracy

Overview

A popular fast food brand uses labels for clerks and customers to verify items. Printing various orders, ranging from long to short, can result in wasted label space, especially for very short items when using traditional labels.

Solution

The brand adopts the DA220 linerless printer. Linerless labels can be printed in different lengths as they are produced in a continuous roll, significantly reducing waste in this application.

User Benefits

Our local team provides service and support, ensuring stable print quality, while this solution simultaneously increases order accuracy, eliminates waste, and promotes sustainability.

Sustainability Flourishes in the Cosmetics Industry

Overview

A world-renowned cosmetics brand seeks an eco-friendly carton labeling solution aligned with its sustainability strategies.

Solution

They chose the MB series linerless industrial printer to meet large printing demand and sustainability requirements. The anti-adhesive design ensures smooth printing.

User Benefits

The solution delivers tangible benefits for both operations and the planet by achieving green and sustainable goals.

TSC

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