Industrial
Labelling
Systems Ltd.

ILS Printers and Applicators

Print and Apply with Evolabel

Unmatched precision, simplicity, and safety

evolabel

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Accurately position high-resolution labels with utmost reliability and the highest level of safety

The automated print and apply system is simplicity in its finest form; enabling consistent and precise label placement with an advanced safety design in a compact frame that enables easy installation on your production line — even in confined spaces.

Crucial Precision

+ Error proof production with accurate and reliable labeling on every package or carton, including pallets
+ Multiple applicators and configurations for virtually any production line ensure your label hits the mark
+ Precise labeling at the speed of your production line with 8" per second all the way up to nearly 12" per second
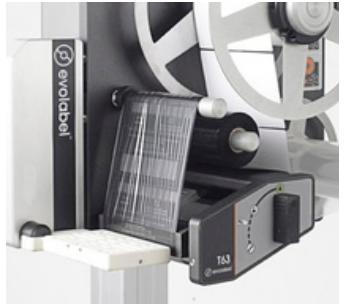
Advanced Simplicity

+ Consumables are easily replaced thanks to unrestricted access while a magnetically attached printhead means minutes instead of hours when replacement is required*
+ Easy installation in confined spaces that fits your needs

Safety Assured

+ Your line workers are safe with ample access to components that feature direct servo motors
+ No need for bulky cages or bolt-on protection systems thanks to fewer moving parts and trap points
+ Applicator pads automatically retract if interference is detected, thereby protecting employees if incidental contact is made

Most competing systems feature a fixed printhead design, requiring substantial replacement time.

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Simplicity through technology

Easy to install

The compact and clean design together with stable & flexible brackets and holders makes mechanical installation easy. With its small footprint, the Evolabel print and apply system fits also where there is very limited space. No software need to be installed and there is no need for an external computer. Getting started is quick and easy with pre-loaded test layouts and test products. The media sensor is automatically calibrated when changing labels.

Easy to integrate

The open and defined Evolabel API allow external software programs to fully control the Evolabel print & apply system.
All printer & applicator settings can be set externally. Many of Evolabels partners have implemented the API in their own software solutions, giving simplicity every step of the way.
With the built in support for XML protocol it is easy to select layout and populate its fields with data. Databases can be stored locally in the printer or externally in for example Excel compatible CSV format, simplifying the integration. Built in I/O:s can be configured from the Evolabel interface for required signal exchange with PLC:s and other packaging equipment.

Robust and **Safe**

The printer frame is welded together and machined as one piece, eliminating mechanical adjustments. Evolabel is only using sealed ball-bearings giving maximum life time also in rough environments.
There are no mechanical friction clutches, instead an intelligently controlled brush-
less DC motor ensures correct force in the backing paper. The hard drive is based on Flash-technology – i.e. no moving parts.

The Evolabel system either apply labels without any moving parts or the movement is dimensioned and controlled to make it all safe for the user.
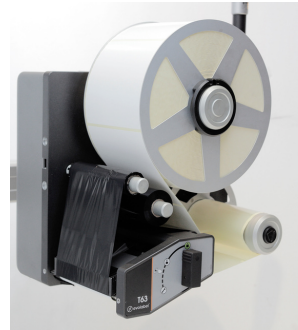
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Printers

D43 Printer
+Direct thermal technology
+300 dpi
+Up to 8"/second standard, optional up to 11.8"/second

PRECISE PLACEMENT with automatic code readability verification
DESIGNED FOR SAFETY with minimal moving parts and intelligent control
EASY TO INSTALL & OPERATE with flexible mounting options and pre-loaded test layouts

T43 Printer
+ Thermal transfer or direct thermal technology
+ 300 dpi
+ Up to 8"/second

T63 Printer
+ Thermal transfer or direct thermal technology
+ 300 dpi
+ Up to 8"/second
+ GS1 standard for pallet and large box labeling

ILS Printers and Applicators

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A versatile Applicator for All Your Applications

Evolabel Print and Apply applicators are intelligently designed to ensure precise placement as well as facilitate ease of operation and maintenance. Multiple options are available ensuring you have the perfect applicator for your line.

BLOW APPLICATOR
Precise, touch-free label placement driven by an air knife from a distance of up to 3.9" (100 mm). Labels ranging from 1.4"x1.4" (35x35 mm) to 3.9"x3.9" (100x100 mm) are supported.

BLOW VAC APPLICATOR
Vacuum injectors and an air knife ensure precise large label placement while no moving parts assure safe operation from a distance of up to 5.9" (150 mm). 5.9"x3.9" (150x100 mm) labels supported.
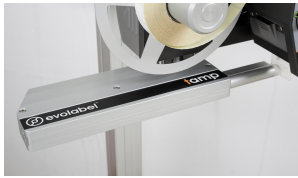

WIPE90 APPLICATOR
Excellent for adjacent labeling with a tactile arm that can be configured for left and right side applications.
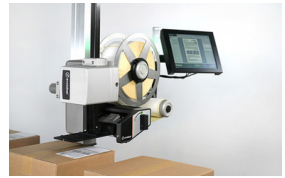

BELT APPLICATOR
Excellent for high-speed lines requiring precise label placement from above, below, or aside; supporting sizes from 1.1"x1.1" (30x30 mm) to 4.6"x4.7"

TAMP/ETAMP
Incredibly accurate label placement at speed with the Tamp applicator featuring a stroke length of 2.8" (70 mm) and the eTamp applicator offering a stepper motor with a stroke length from 5.9" (150 mm) to 33.4" (850 mm).

QUICKTAMP APPLICATOR
Excellent for shipping, this applicator handles height variations up to 3.2' (1 m) and conveyor speeds up to 262 ft/min (80 m/min).

WIPE APPLICATOR
Incredibly versatile, this applicator handles side, front, rear, or top placements, adjacent sides, and corner wrap. Stabilized with carbon fiber, the G2 Wipe provides precise labeling without sacrificing safety.

PALLET APPLICATOR
Featuring a tactile arm and capacity of 5 pallets/minute on two sides, the FlexWipe Pallet applicator is both incredibly safe and efficient. Verification of all barcodes and the ability to label three sides delivers a reliable, cost effective system.

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Specifications

PRINTER MODEL	D43	T43	T63
PRINTING TECHNOLOGY	Direct Thermal	Thermal Transfer or Direct Thermal	
LABEL SIZE (WxL)	1.2 x .8 in (30 x 20 mm) to 4.6 x 9.5 in (118 x 240 mm)		3.2 x .8 in (80 x 20 mm) to 7.0 x 9.5 in (178 x 240 mm)
MAX PRINT WIDTH/MAX MEDIA WIDTH	4.3 in (108 mm) / 4.7 in (120 mm)		6.4 in (162 mm) / 7.1 in (180 mm)
APPLICATOR TYPES	Blow, BlowVAC, Belt, Tamp, eTamp, Wipe, Wipe90, QuickTamp	BlowVAC, Belt, Tamp, eTamp, Wipe, Wipe90, QuickTamp	BlowVAC, Tamp, eTamp, Wipe, Wipe90, QuickTamp, FlexWipe Pallet Labeling System
RESOLUTION	300 dpi		
MAX PRINT SPEED	8 in (200 mm)/s standard, 11.8 in (300 mm)/s optional with activation code, 15.75 in (400 mm)/s optional with PE upgrade		
FONTS/BARCODES/2D CODES	Truetype Unicode / EAN-13, EAN-8, CODE128, GS1-128, GS1-Databar (+ Exp, Limit, Stack, Stack Omni, Exp Stack), Interleaved 2 of 5, Pharmacode, UPCA/Datamatrix, PDF-417, QR Code		
DIMENSIONS LxWxH (EXCL. APPLICATOR)	17.3 x 14.2 x 16.7 in (440 x 360 x 425 mm)	17.3 x 14.2 x 16.7 in (440 x 360 x 425 mm)	17.3 x 14.2 x 19.1 in (440 x 360 x 485 mm)
LABEL ROLL OUTER DIAMETER (MAX)	12 in (300 mm)		
LABEL ROLL CORE DIAMETER	3 in (76 mm)		
LABEL ROLL WINDING	Labels on the outside of the roll		
RIBBON ROLL OUTER DIAMETER (MAX)	N/A	3.3 in (85 mm)	
RIBBON ROLL CORE DIAMETER	N/A	1 in (25 mm)	
RIBBON ROLL WINDING	N/A	Ink on the inside of the roll	
COMMUNICATION	Ethernet / LAN		
OPERATING TEMPERATURE/HUMIDITY	+5°C to +40°C / 20 to 85%, noncondensing		
MAIN SUPPLY/CONSUMPTION	110 / 240 VAC, 50/60 Hz / Idle: 30-50 W, Max: 400 W		
AIR SUPPLY/CONSUMPTION	88 PSI / 6 Bar,, Clean and Dry / Idle: 0, Operation: 1–3 liter / label		