Print and apply

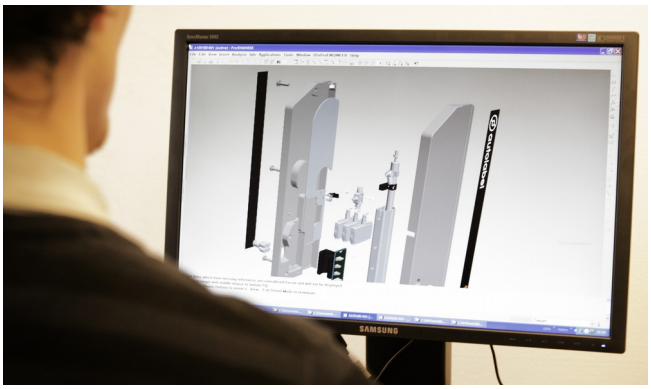
evolabel®
Simplicity through technology™

The most easy to use print and apply system

Evolabel® produces print and apply machines for automatic labeling in automated production. Typical applications are manufacturing that needs a label applied on the product with a barcode, best before date, table of contents, batch number, weight, etc. In applications where up-time and quality is essential, Evolabel does the job.

Easy to use and maintain

Evolabel print and apply are developed with user friendliness in focus. The large colour touch screen is intuitive and makes operation simple and error free. The very clean and straight forward label path allow anyone to quickly change the label roll. Wear and tear parts (print head and print roll) are fast and easy to replace without tools. Mechanical printer adjustments are eliminated thanks to the rigid and precise chassis, which secure high quality printing over time.



Simplicity through technology™

In close relation to large and demanding customers, Evolabel has developed a unique range of print and apply systems. The result is a new generation of print and apply series that work so well so you almost forget having them installed...
We call it *Simplicity through technology* and it allow us to use our passion to implement innovative technical solutions in products that give you as our customer time to focus on your business and on your passion.

Simplicity through technology

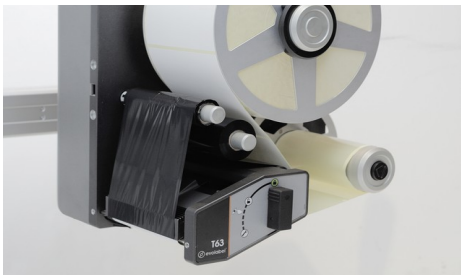
Intelligent print modules

D43 printer

Direct thermal technology “DT”. Print width 4 inch (108 mm), resolution 300 dpi.
Direct thermal labels are commonly used in the food industry but also for other applications where there are no extreme demands on long storage. DT technology require only one media type, making it the easiest technology to use.

T43 printer

Thermal transfer technology “TT” (can also handle DT). Print width 4 inch (108 mm), resolution 300 dpi.
The thermal transfer technology is often used in applications where the labelled product has long life time, is stored long time or exposed to tough handling. Examples are pharmaceutical, car industry and other non-food production. The Evolabel T43 printer guarantee excellent barcode readability also after long storage.



T63 printer

Thermal transfer technology “TT” (can also handle direct thermal). Print width 6 inch (162 mm), resolution 300 dpi.
The Evolabel T63 printer is suitable for pallet and box labeling, where large labels carrying a lot of data often are used. The solid aluminium chassis is machined as one piece for perfect alignment of the wide label and transfer rollers, print head etc. This eliminates the need for any mechanical adjustments and secure high quality printing over time.

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 operate

It is easy to change product from the touch screen on the intuitive colour user interface. Warnings like “paper low” and alarms like “paper out” are clearly prompted the user through the display and the light tower. A lot of room around the label path makes changing label and ribbon easy;
- the applicator folds away automatically when changing labels
- divided media sensor (patented) eliminates mistakes
- specially designed air nozzle eliminates “blow pipe”

The label path is very clean and straight forward – allowing anyone to change labels without complex instructions.

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.

Easy to maintain

It is easy to replace and to clean the print head. The print head opens widely and the applicator is automatically folded away. The print head is easy to remove without tools and no adjustments are needed after a change. The print head is free from power when not printing, eliminating the risk of having it damaged if not turning off the power.
Also the print roller and driving belt are easy to replace without any tools. With the handle in service position, the roller is released, the belt gets slack and one can simply pull out the print roller.
The printer can be controlled through a web browser and trouble shooting is effective with all events stored in the printer.

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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Wide range of smart and reliable applicator modules

For optimal functionality, user friendliness and safety, Evolabel design the printers and applicators as one system. As an example, all applicators are automatically moved away from the print head and label path when the print head is moved to its service position, this gives very good access when changing labels or cleaning the print head. The patented applicator plates with integrated vacuum injectors ensure precise and consistent label position.

Blow applicator

An air-knife apply the label with good precision to the product without touching it, from a distance up to 100 mm. The same applicator can handle label sizes from 35x35 mm to 100x100 mm.

BlowVAC applicator

The combination of integrated vacuum injectors and air knife allows good apply precision of large labels (150x100 mm) from a distance of up to 150 mm. No moving parts gives totally safe label apply.

Wipe90 G2 applicator

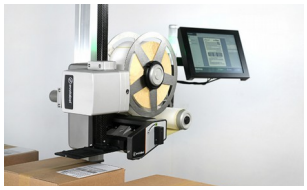
For two adjacent sides labeling of boxes, the Evolabel Wipe90 G2 applicator does the job fast and safe, utilizing the unique Tactile arm feature. Wipe90 G2 can be configured for both left and right side applications.

Belt applicator

This applicator applies labels with high speed and precision from above or from below. The same applicator can handle various label sizes from 30x30 mm to 118x120 mm.

Tamp / eTamp

The Evolabel Tamp & eTamp applicators give very accurate label positioning. The pneumatic Tamp applicator is very fast and has a stroke length of 70 mm. The eTamp versions are stepper motor driven for full control and have stroke length from 150 to 850 mm.



QuickTamp applicator

Fast and friendly logistic labeling system. For labeling shipping labels on top of boxes of various heights. The Evolabel QuickTamp handle height variations of 1 m and conveyor speeds of up to 80 m/min. Eliminates traditional bottlenecks in logistic ware-houses.

Wipe G2 applicator

The Wipe G2 applicator apply all from fast side, front, rear or top applications to adjacent side and corner wrap labeling applications. The light 3D printed arm, stabilized by carbon fibre, gives fast and precise labeling without sacrifying on safety for the user.

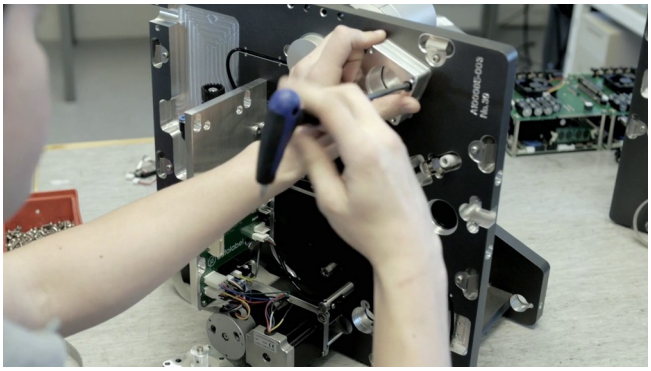
Pallet applicator

Evolabel FlexWipe pallet labeling system is totally safe, user friendly, compact and cost effective. The unique Tactile arm eliminates trap points. High capacity of 5 pallets/min on two sides incl. verification of all barcodes. The same system can label three sides of the pallet.

Specifications

Printer model	D43	T43	T63
Printing technology	Direct thermal	Thermal transfer or direct thermal	Thermal transfer or direct thermal
Label size (WxL)	30x20 to 118x240 mm	30x20 to 118x240 mm	80x20 to 178x240 mm
Max print width / Max media width	108 mm / 120 mm	108 mm / 120 mm	162 mm / 180 mm
Applicator types	Blow, BlowVAC, Belt, Tamp, eTamp, Wipe G2, Wipe90 G2, QuickTamp	BlowVAC, Belt, Tamp, eTamp, Wipe G2, Wipe90 G2, QuickTamp	BlowVAC, Belt, Tamp, eTamp, Wipe G2, Wipe90 G2, QuickTamp, FlexWipe pallet labeling system
Resolution	300 dpi		
Max print speed	200 mm/s standard, 300 mm/s option	200 mm/s	200 mm/s
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)	440x360x425 mm	440x360x485 mm	440x420x485 mm
Label roll outer diameter (max)	300 mm		
Label roll core diameter	76 mm		
Label roll winding	Labels on the outside of the roll		
Ribbon roll outer diameter (max)	N/A	85 mm	
Ribbon roll core diameter	N/A	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%, non-condensing		
Mains supply / Consumption	110/240 VAC, 50/60 Hz / Idle: 30-50 W, Max: 400 W		
Air supply / Consumption	6 bar, clean and dry / Idle: 0, Operation: 1-3 litre/label		

For further details about each model, we refer to our homepage.



Made in Sweden

Development & logistic centre in Mölndal, Sweden. With the user in focus, the Evolabel print & apply range is developed and manufactured in Sweden.

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Our customers

"We know that our customers want the best and we do our best to give them what they want." Evolabel customers are manufacturers and logistic centres with very high demands on ease of use and availability.

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