

# Matthews Evolabel



PRINT AND  
APPLY SYSTEMS

## Simplicity through technology

- Boost uptime with rapid changeovers
- Space-saving, compact design
- Cut costs with lower air consumption
- Easy to operate and maintain



Designed for ease of use, the Matthews Evolabel Series is compact, easy to operate, and simple to maintain. To ensure seamless functionality, the Evolabel printer applicators are engineered as a unified solution, ensuring simplicity for operators and integrators alike.

### Easy to operate: On board software available via touchscreen or VNC

- The colour touchscreen and onboard software simplify printer control and message editing.
- Clear alerts for "paper low" or "paper out" allow users to take immediate action.
- Ample space around the label path ensures hassle-free label and ribbon changes.
- The clean, straightforward label path makes label replacement intuitive.
- A divided media sensor and specially designed air nozzle reduce errors.

### Easy to maintain: Change wearable parts in under a minute

- The print head opens wide, and the applicator automatically folds away, allowing for easy cleaning and replacement.
- A magnetic holder enables tool-free removal of the print head.
- The print head powers off when not in use, preventing accidental damage.
- Both the print roller and drive belt can be replaced easily without tools.
- The printer can be controlled remotely through VNC, with all events stored for efficient troubleshooting.

### Robust: Compact design & build

- The printer frame is welded and machined as a single piece, eliminating the need for mechanical adjustments.
- Sealed ball bearings ensure maximum durability, even in harsh environments.
- Instead of friction clutches, a smartly controlled brushless DC motor applies the correct force to the backing paper.

### Easy to integrate: Mobile equipment with onboard software

- The Matthews Evolabel communication protocol (ACP) allows external software to control the print and apply system.
- Evolabel supports various print languages, such as ZPL, allowing for real-time remote control of printer settings.



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# Technical Specifications Matthews Evolabel



PRINT AND  
APPLY SYSTEM

The Matthews Evolabel printers offer two technologies, both ensuring excellent barcode readability and reliable performance.

**Direct Thermal (DT) technology** - Requires only one media type and is manufactured with a thermal reactive coating to change the colour of the surface to black as it passes beneath the printhead. Ideal for short-term applications like food industry labels.

**Thermal Transfer (TT) technology** - Uses a wax/resin ribbon for printing, which transfers the print media onto the label stock and is available in a wide range of colours. Suited for long-term or high-durability labelling needs, such as in the pharmaceutical or car industries.

Printer Model	D43	T43	D63	T63
Printing technology	DT	TT or DT	DT	TT or DT
Label size (W x L)	30 x 20 to 118 x 400 mm (applicator specific)		80 x 20 to 178 x 300 mm (applicator specific)	
Max print width / Max media width	108 mm / 120 mm		162 mm / 180 mm	
Applicator types	BlowVAC, Belt, Tamp, eTamp, QuickTamp, Wipe, Wipe90			All standards applicators + FlexWipe
Resolution	300 DPI by default, option to adjust to a lower setting where required			
Max print speed	Standard max. speed 200 mm/s, optional max. speed 300 or 400 mm/s			
Example Fonts - Barcodes - 2D codes	Truetype Unicode / EAN-13, EAN-8, ITF14, GS1-128, UPC-A, UPC-E, GS1 Databar, Code39 / QR code, GS1 Datamatrix, Maxicode, Aztec code			
Dimensions L x W x H (excl. applicator)	440 x 360 x 425 mm	440 x 360 x 485 mm	440 x 420 x 485 mm	
Label roll outer diameter (max)	300 mm			
Label roll core diameter	76 mm			
Label roll winding	Labels on the outside of the roll			
Thermal transfer ribbon length	N/A	560 m	N/A	560 m
Ribbon roll core diameter	N/A	25 mm	N/A	25 mm
Communication	Ethernet/LAN, USB, CANopen			
Operating temperature / Humidity	+5°C to +40°C / 20 to 85%, non-condensing / optional -26°C to +40°C			
Mains supply	110/240 VAC, 50/60 Hz			
Air supply	6 bar, clean and dry			



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