

DATASHEET

MPERIA® Print and Apply

Automatic Labeling Series

Precision, Safety and Simplicity

The MPERIA Print and Apply Automatic Labeling Series is a new generation of print and apply label systems that work so well so you almost forget you have them installed.

Developed with simplicity in mind, our labelers let you focus on your most important priority—your business.

Easy to Install

Compact and clean, the small footprint of the MPERIA Print and Apply systems fit where you need them. Flexible mounting systems and pre-loaded test layouts make install and setup quick and easy.

Easy to Operate

The MPERIA controller's intuitive touchscreen provides an operator-friendly user interface. Warnings like "paper low" and alarms like "paper out" keep you up and running. A straightforward and easily accessible label path makes changing labels and ribbons effortless for anyone.

Safety First

MPERIA Print and Apply systems improve user safety by either eliminating moving parts or applying intelligent control to reduce trap points. By reducing risk of injury, systems are more easily integrated into your production environment without the need for bulky cages or bolt-on protection systems.

System Features

- + Simple and quick label changing and tool-free maintenance
- + Consistently precise label placement
- + Advanced safety design protects users and simplifies deployment
- + Intuitive MPERIA user interface manages single or multiple system



Easy to Maintain and Built to Last

Elegant and inspired design allows for simple maintenance of printheads, rollers and driving belts, with easy access and no tools required. The single-piece solid-construction frame, sealed ball bearings and brushless DC motors reduce mechanical points of failure and maximize the longevity of your system, even in rough environments.



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)
(also compatible with DT)
Print Width: 4 inch (108 mm)
Resolution 300 dpi.

Thermal transfer technology is often used in applications where the labeled product requires long shelf life or is exposed to tough handling. Examples are pharmaceutical, industrial and other non-food products.

The MPERIA T43 printer guarantees excellent barcode readability even after long storage periods.



T63 PRINTER

Thermal Transfer Technology (TT)
(also compatible with DT)
Print Width: 6 inch (162 mm)
Resolution: 300 dpi.

The MPERIA T63 printer is suitable for pallet and box labeling, using large labels carrying a lot of data. The solid aluminum chassis is machined as one piece for perfect alignment of the wide label and transfer rollers, printhead etc. This eliminates the need for mechanical adjustments and secures high quality printing over time.

Less Effort, More Control

Through a single MPERIA controller, manage multiple labelers and printers as well as those from other manufacturers. The MPERIA control and automation platform synchronizes layouts and variable data between your existing systems and MPERIA-connected devices.



An Applicator for All Your Applications

MPERIA Print and Apply applicators are intelligently designed not only to ensure precision placement, but to facilitate operation and maintenance by moving out of the way of the printhead and label path when needed. Our applicator options cover a broad range of requirements for speed, placements and label sizes.



BLOW APPLICATOR

An air-knife precisely applies labels 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., making it the easiest technology to use.



BLOW VAC APPLICATOR

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



WIPE90 G2 APPLICATOR

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



BELT 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

Tamp & eTamp applicators provide 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 shipping labels on top of boxes of various heights. QuickTamp handles height variations of 1 m and conveyor speeds of up to 80 m/min. Eliminates traditional bottlenecks in logistic warehouses.



WIPE G2 APPLICATOR

The Wipe G2 applicator handles side, front, rear or top applications to adjacent side and corner wrap applications. The light 3D-printed arm, stabilized by carbon fiber, provides fast and precise labeling without sacrificing safety for the user.



PALLET APPLICATOR

The 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 include 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	Blow, 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%, noncondensing		
MAIN 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		

