

DATASHEET

MPERIA® A-Series

Print and Apply Automatic Labeling Systems

Precision, Safety, and Simplicity

The MPERIA A-Series is a new generation of automatic print and apply label systems that represent simplicity in its finest form. Developed to enable consistent, precise label placement with a focus on user safety; the A-Series also features a compact frame enabling effortless installation on your production line - even in confined spaces.

Easy to Install

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

Easy to Operate

Powered by MPERIA, the industry's only true universal controller, the A-Series feature an intuitive, operator-friendly touchscreen user interface. Centralized control and advanced warnings for consumables keep you up and running; and a straightforward, easily accessible label path makes changing labels and ribbons painless for anyone.

Safety First

MPERIA A-Series systems assure user safety by eliminating moving parts and 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

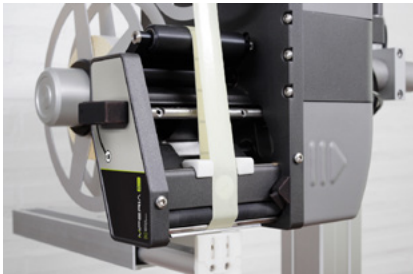
- + Simple and quick label changing and tool-free maintenance
- + Consistently precise label placement
- + Advanced safety design protects users and simplifies deployment
- + Intuitive MPERIA user interface manages single or multiple system





Easy to Maintain and Built to Last

Elegant and inspired design allows for simple maintenance of printheads, rollers, and drive 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 harsh environments.



D43 PRINTER

Direct Thermal Technology (DT).
 Print Width: 4 inch (108 mm)
 Resolution: 300 dpi

The MPERIA D43 printer is an excellent solution for labeling on food production lines as well as other applications that don't have extreme demands on long storage.

Direct Thermal technology requires only one media type, making it very easy to use and deploy.

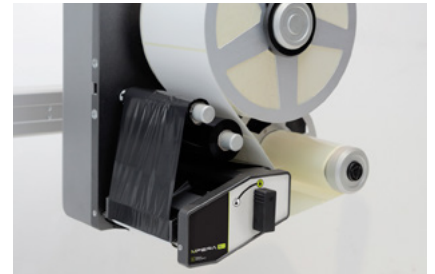


T43 PRINTER

Thermal Transfer Technology (TT)
(also compatible with DT)
 Print Width: 4 inch (108 mm)
 Resolution 300 dpi

The MPERIA T43 printer is the ideal solution for production line labeling where the labeled product requires long shelf life or is exposed to rough handling. The T43 ensures excellent barcode readability even after long storage periods.

Thermal transfer technology is often used in pharmaceutical, industrial, and other non-food production facilities.



T63 PRINTER

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

The MPERIA T63 printer is a perfect solution for pallet and box labeling that require large labels and a significant amount of data. The solid aluminum chassis is machined as one piece for precise alignment of the wide label, transfer rollers, and printhead. This design eliminates the need for mechanical adjustments and ensures accurate, high quality printing over time.

Less Effort, More Control

MPERIA is industry's only true universal controller. Offering centralized management for multiple labeling systems and marking technology, including third-party equipment, MPERIA improves productivity across your production facility. Eliminate human error and rework with automatic data flow through seamless integration to your backend business systems. MPERIA synchronizes layouts and variable data between your existing systems and connected devices on your production line.



An Applicator for All Your Applications

MPERIA A-Series Print and Apply applicators are intelligently designed to ensure precise label placement while facilitating ease of operation and maintenance. Our applicator options cover the gamut of requirements for speed, placement, and label sizes; we have the perfect applicator for your production 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" x 1.4" (35 x 35 mm) to 3.9" x 3.9" (100 x 100 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" x 3.9" (150 x 100 mm) labels are supported.



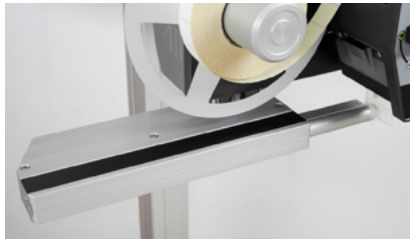
WIPE90 G2 APPLICATOR

Excellent for adjacent labeling with a tactile arm that can be configured for both left- and right-side applications; the Wipe90 G2 applicator consistently places your labels where required, safely.



BELT APPLICATOR

Excellent for high-speed lines requiring precise label placement from above or below, supporting sizes from 1.1" x 1.1" (30 x 30 mm) to 4.6" x 5.9" (118 x 150 mm).



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).



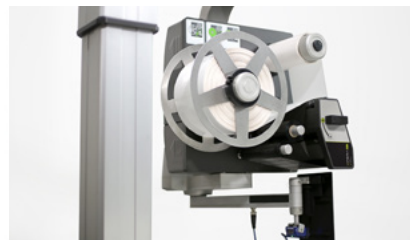
QUICKTAMP APPLICATOR

Excellent for shipping labels and eliminating traditional bottlenecks in logistic warehouses, this applicator handles height variations up to 3.2 ft (1 m) and conveyor speeds up to 262 ft/min (80 m/min).



WIPE G2 APPLICATOR

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



FLEXWIPE 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. Trap points are eliminated while verification of all barcodes and the ability to label three sides delivers a reliable, cost-effective system.

Specifications

PRINTER MODEL	D43	T43	T63
PRINTING TECHNOLOGY	Direct Thermal	Thermal Transfer or Direct Thermal	Thermal Transfer or Direct Thermal
LABEL SIZE (WxL)	1.2 x .8 in (30x20 mm) to 4.6 x 9.5 in (118x240 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 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)	17.3 x 14.2 x 16.7 in (440x360x425 mm)	17.3 x 14.2 x 19.1 in (440x360x485 mm)	17.3 x 16.5 x 19.1 in (440x420x485 mm)
LABEL ROLL OUTER DIAMETER (MAX)	11.8 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	6 Bar, Clean and Dry / Idle: 0, Operation: 1-3 litre/label		

