# MPERIA® A-Series

**AUTOMATED PRINT & APPLY LABEL SYSTEM POWERED BY MPERIA®**

## Unrivaled Precision, Simplicity, and Safety

# PRECISELY PLACE HIGH-RESOLUTION LABELS RELIABLY AND WITH THE GREATEST SAFETY

The MPERIA® A-Series 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.
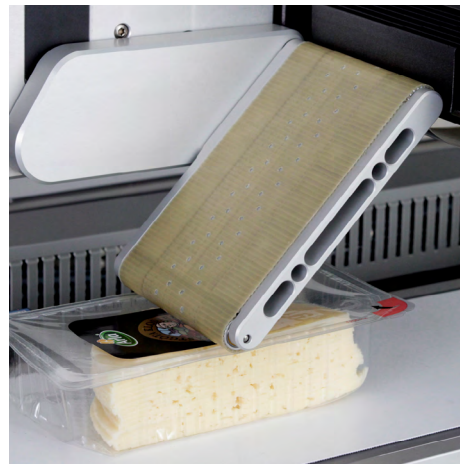
## Crucial Precision

+ 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
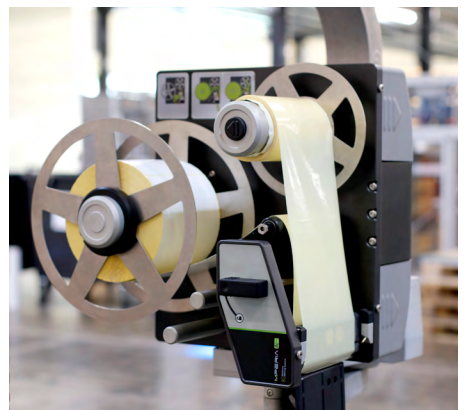


## Advanced Simplicity

+ 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 thanks to a compact frame and single-piece construction

+ Line operators need only learn one controller, MPERIA® enables easy message creation/changeover as well as integration with business systems, vision, 3rd party coding technology, and more



## 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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# MPERIA®: Automated, Centralized, and Adaptable Marking and Coding Platform

+ Eliminate human error and rework; message and code automation all handled through a single intuitive interface

+ Grows with your business; whether adding additional printers or expanding with more production lines

+ Reduce complexity by removing unneeded middleware and 3rd party providers

+ Achieve next level productivity; seamlessly connect to your business systems

# A-Series 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

# An Applicator for All Your Applications

MPERIA® 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.
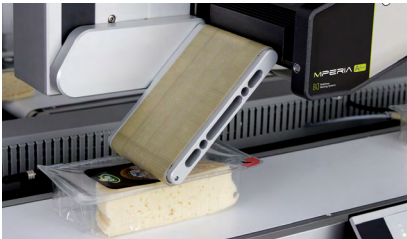


### BLOW VAC APPLICATOR
Vacuum injectors and an air knife ensure precise large label placement while no moving parts assure safe operation from a distance of up to 5.9" (150 mm). 5.9"x3.9" (150x100 mm) labels supported.
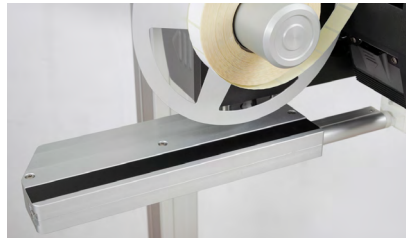


### WIPE90 APPLICATOR
Excellent for adjacent labeling with a tactile arm that can be configured for left and right side applications.
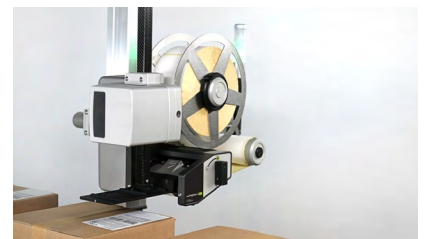


### BELT APPLICATOR
Excellent for high-speed lines requiring precise label placement from above, below, or aside; supporting sizes from 1.1"x1.1" (30x30 mm) to 4.6"x4.7"



### 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).
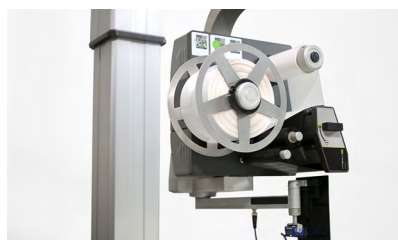


### QUICKTAMP APPLICATOR
Excellent for shipping, this applicator handles height variations up to 3.2' (1 m) and conveyor speeds up to 262 ft/min (80 m/min).



### 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 (W x L) | 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 | | |

# Matthews Marking Systems™

Matthews Marking Systems is a global supplier of marking and coding solutions for product identification, branding, and traceability. Our customers trust us to help them achieve increased productivity while driving bottom line improvement with reliable systems for any application. With over 170 years of marking and coding experience, we've established a global reputation as a premier innovator helping customers succeed in industrial and consumer goods packaging industries.