

FLEXIMATE ELINEAR

MODULAR PRINT & APPLY



IMA  **LABELING**
Label Application Solutions

FLEXIMATE ELINEAR

The FlexiMate eLinear is a modular Print&Apply solution equipped with an electro-pneumatic applicator unit that covers most labeling needs. Label positioning is highly accurate both on stationary and moving products.

The eLinear applicator unit is faster than traditional pneumatic applicators and it is the most versatile solution when applying labels on moving products with different heights. Stroke, speed and acceleration can all be programmed easily with the touch screen display control panel or via LinkMate, our configuration tool.

The motorized unwinder/rewinder module assures correct tensioning of the liner that guarantees optimal printing and minimum down time due to high-capacity label reels.

Most of the industrial print engines available on the market can be easily integrated on the entire FlexiMate series.





KEY FEATURES

POWER AND STRENGTH

- **RUGGED AND CORROSION-RESISTANT CONSTRUCTION** USING ANODIZED ALUMINUM AND STAINLESS STEEL
- **COMPACT DIMENSIONS**

VERSATILITY

- **DYNAMIC LABEL APPLICATION ON VARIABLE HEIGHT PRODUCTS**
- **WIDE RANGE OF STROKE LENGTHS AND APPLICATION TAMP PADS**

SAFE AND RELIABLE

- **MINIMAL MAINTENANCE**
- **LOW FORCE ON MOVING PARTS TO ENSURE OPERATOR SAFETY**

TECHNOLOGICAL ATTITUDE

- **7" TOUCH SCREEN COLOR DISPLAY CONTROL PANEL**
- **ETHERNET AND USB PORTS FOR DIAGNOSTICS, REMOTE CONTROL, FIRMWARE UPGRADE AND CONFIGURATION**
- **PAPER TENSIONING AND REWINDING MECHANISM CONTROLLED BY TWO MOTORS**
- **PROGRAMMABLE ELECTRO-PNEUMATIC APPLICATOR UNIT**

FLEXIMATE ELINEAR

Touch display

LINKMATE

Each labeling system can be set and configured easily with LinkMate.

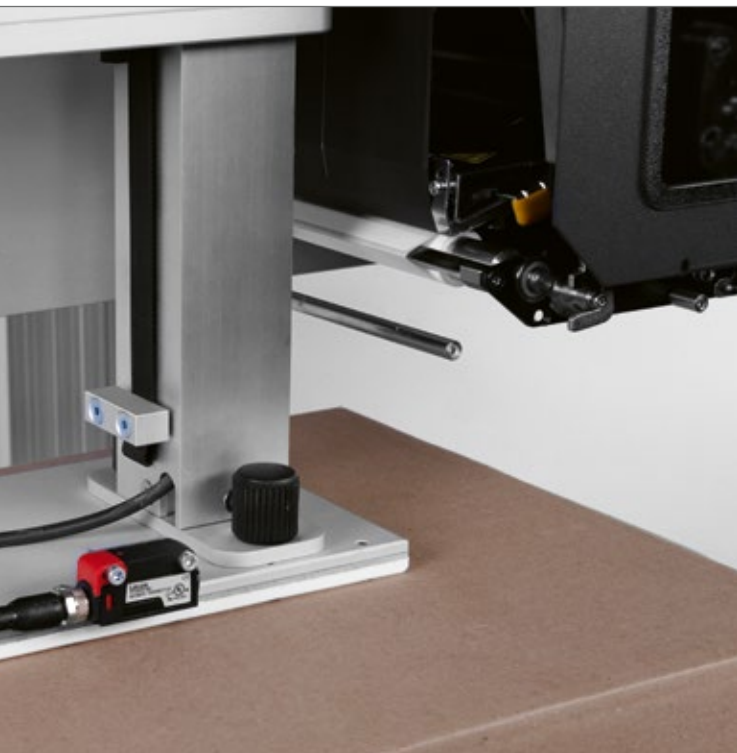
- EASY SETUP FEATURE TO LOAD THE CONFIGURATION OF ANY SYSTEM.
- FINE TUNING OF EVERY CONFIGURATION PARAMETER FROM SERVICE ACCESS LEVEL
- FULL DIAGNOSTICS OF EVERY INPUT AND OUTPUT OF THE SYSTEM
- EASY TO RECORD A REPORT WITH A SNAPSHOT OF REAL TIME SYSTEM EVENTS
- EASY TO REQUEST TECHNICAL ASSISTANCE BY SHARING A DATA REPORT



INTUITIVE USER INTERFACE

- The 7-inch LCD touch screen control panel has a resolution of 800 x 480 pixels.
- It is intuitive and easy to use, featuring icons, and has three levels of management (operator, supervisor, and service).
- The compact display is splash resistant.
- The rugged, corrosion-resistant control panel shell is made of anodized aluminum so it can be used in harsh industrial environments.





COMPLETELY ICON-BASED

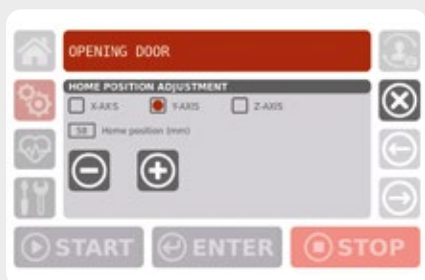
- Configuration and Service remote tool
- Easy I/O management and configuration
- TCP/IP - USB
- User + Supervisor+ Service level, protected by password
- Unique platform for any IMA Labeling device
- Customizable user experience

EASY CONFIGURATION AND REMOTE ASSISTANCE

- Configuration and Service remote tool
- Easy I/O management and configuration
- TCP/IP - USB
- Four access levels, protected by password
- Unique platform for any IMA Labeling device
- Customizable user experience

FOCUS ON ACCESS LEVELS

- USER
It can view the firmware list, system events, and can request remote technical assistance.
- SUPERVISOR
It can select the application cycle, change some parameters related to the current cycle, and has access to some parameters related to system settings and diagnostics.
- SERVICE
It can configure and perform maintenance and service operations, can update peripheral firmware, and can manage program preferences.
- ADMINISTRATOR
It has complete access to all system parameters. This level of access is restricted to IMA Labeling technicians.



FLEXIMATE ELINEAR

PERFECT LABELING

AIR ASSIST

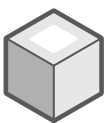
The air assist aids the label, as it is dispensed, to adhere perfectly to the applicator tamp pad by blowing compressed air onto the adhesive side. The micro-perforated tamp pad generates the vacuum that keeps the label firmly attached to its surface for perfect application. It can be oriented to optimize the air flow.



TONS OF OPTIONS

- **LOW LABEL SENSOR** It SENDS A SIGNAL WHEN THE REEL REACHES A PRESET LIMIT AND WITH THE BEACON INDICATOR IT IS POSSIBLE TO VISUALLY MONITOR THE SYSTEM STATUS.
- **COUNTER FLANGE** It LOCKS THE LABEL REEL IN POSITION AND INCREASE THE ACCURACY OF LABEL APPLICATION.
- **LINER SUPPORT** It HOLDS THE LINER IN PLACE WHEN THE SYSTEM IS INSTALLED HORIZONTALLY.
- **VARIABLE STROKE PROXIMITY SENSOR** It ENABLES CONTACTLESS LABEL APPLICATION ON PRODUCTS WITH DIFFERENT HEIGHTS.
- **LASER MEASUREMENT SENSOR** It DYNAMICALLY DEFINES THE STROKE OF THE ELECTRO-PNEUMATIC APPLICATOR WHEN APPLYING LABELS ON PRODUCT WITH DIFFERENT HEIGHTS.
- **QUICK-EXCHANGE COUPLING SYSTEM** It CAN BE EASILY REPLACED WHEN WORKING WITH DIFFERENT SIZED LABELS.
- **QUICK-EXCHANGE FLEXPADS** It IS CUSTOM MADE AND ALLOWS LABELS TO BE APPLIED ON SURFACES THAT ARE NOT PERFECTLY EVEN.
- **FALL ARREST DEVICE** It PREVENTS THE ARM EXTENSION WHEN THE SYSTEM IS IN IDLE STATUS, TURNED OFF OR DURING POWER FAILURE, PROVIDING INCREASED OPERATOR SAFETY.

APPLICATION SCHEME DESIGN



Top
side

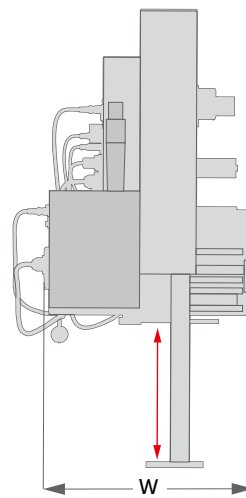
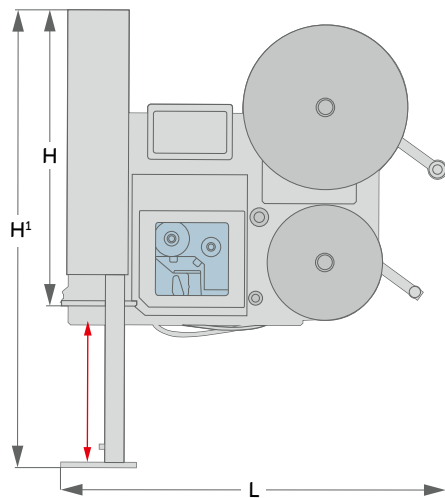


Bottom
side



Lateral
side

TECHNICAL DATA



DIMENSIONS	
eLinear 250 4" (L x W x H x H¹)	818 x 383 x 639 x 844 mm
eLinear 250 6" (L x W x H x H¹)	818 x 441 x 639 x 844 mm
eLinear 350 4" (L x W x H x H¹)	818 x 383 x 670 x 975 mm
eLinear 350 6" (L x W x H x H¹)	818 x 441 x 670 x 975 mm
eLinear 500 4" (L x W x H x H¹)	818 x 383 x 670 x 1235 mm
eLinear 500 6" (L x W x H x H¹)	818 x 441 x 810 x 1235 mm
eLinear 800 4" (L x W x H x H¹)	818 x 383 x 1217 x 1999 mm
eLinear 800 6" (L x W x H x H¹)	818 x 441 x 1217 x 1999 mm

MODEL	
Available versions	Right or left • 4" or 6" roller
Methods of application	Tamp (with contact) Tamp & Blow (no contact)
Typical application	On moving or stationary products
Nominal stroke of the applicator unit	250 mm • 350 mm • 500 mm • 800 mm
Stroke type	Fixed • Variable • Programmable
Label reels	Up to Ø 350 mm with 76 mm (3") core
Minimum label size (W x H)	20 x 20 mm
Maximum label size (W x H)	110 x 250 mm for 4" version • 160 x 250 mm for 6" version
Accuracy of application	m+/- 1 mm typical
Frequency of application*	Up to 60 cycles/min
Power supply	110-120 VAC, 50-60 Hz • 220-240 VAC, 50-60 Hz
Pneumatics	6 bar
Protection level	IP 2X
Communication	Ethernet • USB
User interface	7" touch screen color display control panel
Configuration and diagnostic tool	LinkMate

* The frequency depends on label size, print quality, stroke length, and production line characteristics (60 cycles per minute can be reached using a 250 mm applicator unit with 50 x 50 mm labels).

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