AUTOMATIC LABEL APPLICATOR

Tomco Automatic Machinery Co., Ltd.

ALPHA HSM

Extremely flexible high-speed labeling system

+ Dispensing cycle rate up to 2,000 labels/min
+ Label size min. 10 x 10 mm, max. 320 x 2,000 mm
+ Can be flexibly integrated into any production line
+ Ingress protection IP65 for dusty & humid environments
+ Quick changeover for changing products
+ Modularly expandable and individually configurable

COMPACT LABEL APPLICATOR FOR ANY ENVIRONMENT

The Alpha HSM label dispenser stands out with maximum flexibility, performance, and robustness. Thanks to its compact design, it can be easily integrated even into confined production environments – ideal for industries with demanding conditions such as food, chemical, or building materials.

The modular design allows for individual configuration: with numerous different modules, the Alpha HSM adapts precisely to your requirements. Large label formats, high dispensing speeds, and IP65 protection make the system a true all-rounder in labeling – even under harsh conditions. A web-based control system, storable labeling parameters, and automatic self-adjustment ensure easy and safe operation. With the zero-downtime function and the option to expand into a print & apply system, the Alpha HSM is prepared for all requirements.

APPLICATIONS

MADE IN GERMANY

WEBER MARKING SYSTEMS

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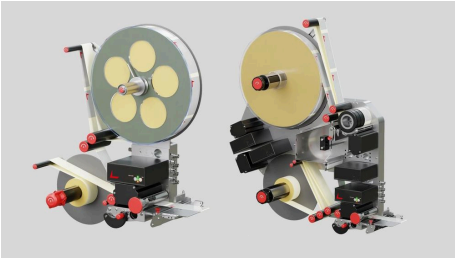
SPECIAL FEATURES

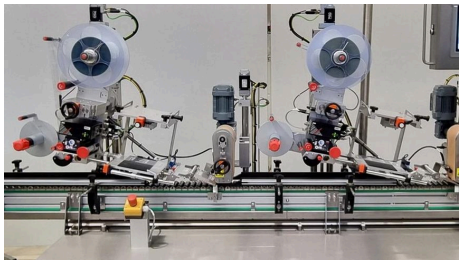


MAXIMUM FLEXIBILITY THANKS TO MODULAR DESIGN

Thanks to its modular design, the label dispenser can be perfectly adapted to individual requirements. A wide range of optional modules enables versatile configurations – from label widths of up to 320 mm to different dispensing units and variable drive configurations. The result is a solution precisely tailored to your process, which can be expanded at any time if needed.

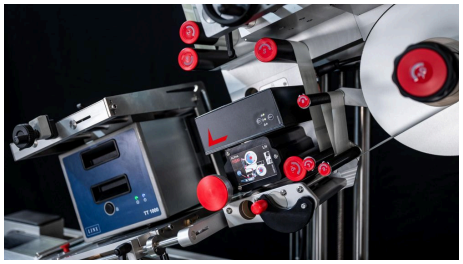
INGRESS PROTECTION IP65 & NO ENCLOSURE REQUIRED

With IP65 protection, the label dispenser is reliably protected against dust and splashing water. This makes it ideal for use in harsh production or logistics environments. A separate enclosure is completely unnecessary, which not only saves space but also simplifies integration into existing systems. At the same time, maintenance is made easier since all components remain freely accessible, reducing downtime.



ZERO DOWNTIME THROUGH DUAL OPERATION

With two intelligently connected Alpha HSM systems, continuous, interruption-free operation is guaranteed at all times. While one system is in use, the second is already on standby and automatically takes over as soon as a roll change is required. This effectively prevents production stoppages, which not only increases efficiency but also significantly improves the reliability and availability of your equipment.



QUICKLY CONVERTIBLE AND FLEXIBLE PRINT INTEGRATION

Whether for product changeovers or the integration of additional printing technologies, the Alpha HSM label dispenser can be adapted to new requirements in no time. Thanks to its flexible design, it can be easily combined with thermal transfer or inkjet systems, enabling direct printing of labels during the dispensing process. This not only increases efficiency but also enhances the versatility of your production line, ensuring maximum future readiness.

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TECHNICAL SPECIFICATIONS

APPLICATION DATA

Label position	Side; Top; Bottom
Labeling mode	throughfeed
Label application rate max.	2,000 1/min [1]
Positioning accuracy (+/-)	0.5 mm
Product speed up to	150 m/min [2]
Label size min. (WxL)	10 x 10 mm
Label size max. (WxL)	320 x 2000 mm
Label roll diameter max.	500 mm

[1] Dependent on configuration and label size [2] Depending on configuration and label size

FEATURES

Mounting orientation independence	yes
Label unwinding	depending on performance class
Label rewinding	depending on performance class
Label shortage warning	yes [1]
Web break detection	yes [1]

[1] Dependent on machine configuration

HMI

HMI version	Touch display; OLED + Wheelhub

PHYSICAL ASPECTS

System dimensions (HxWxL)	825 x 308 x 715 mm [1]
Weight	18 kg [2]
IP ingress protection	IP 65
Approvals	CE
Rel. humidity non-condensing	10 - 95 %
Ambient temperature	0 - 40°C
Noise level	75 dB [3]

[1] Depending on dispenser configuration [2] je nach Ausführung [3] A-weighted sound pressure level

CONNECTIONS

Supply voltage	90 - 240 V
Mains frequency	47 - 63 Hz

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CONNECTIONS

Current	2 A
Compressed air connection	6 bar [1]
Interfaces	USB; Ethernet 10/100 BaseT; I/O interface

[1] optional for pneumatic applicators

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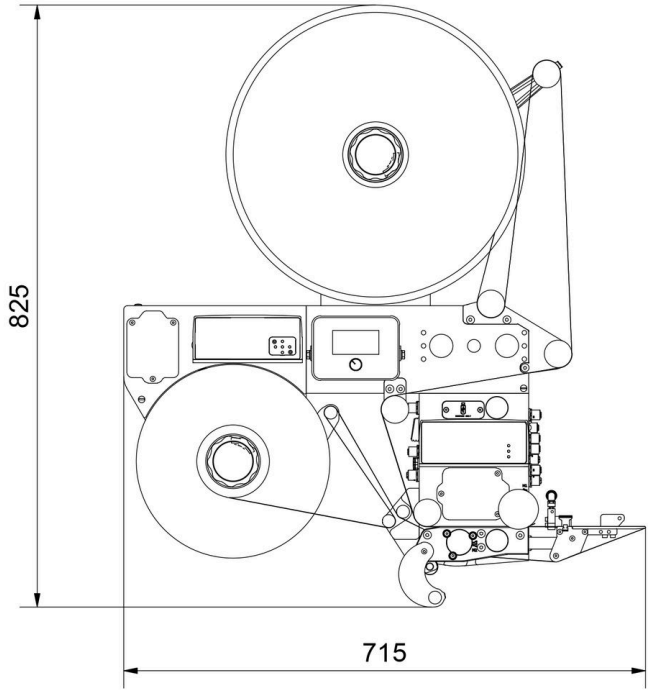
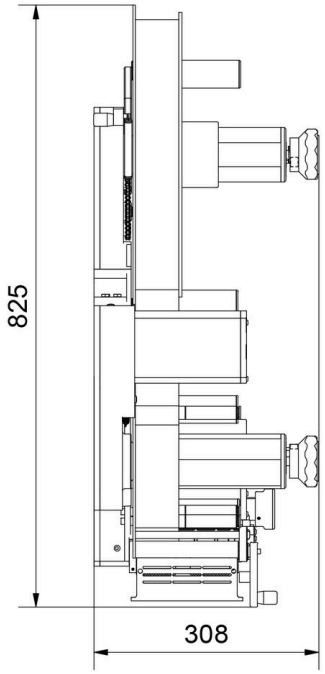
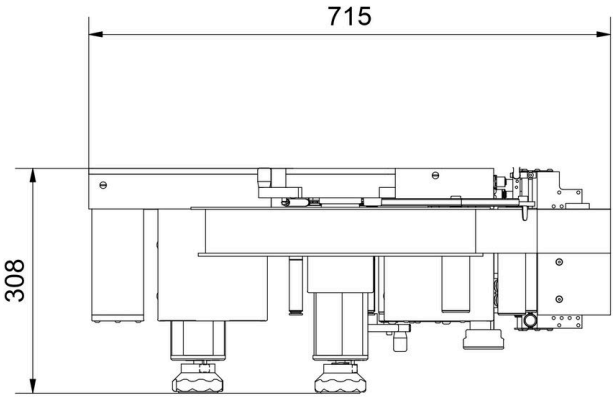
TECHNICAL DRAWINGS







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APPLICATOR OPTIONS

WIPE-ON DISPENSING TONGUE, RIGID

Universal, unflexible Wipe-On peeler plate for precise labeling

Function	Wipe-On
Drive concept applicator	Rigid

WIPE-ON DISPENSING TONGUE, ANGLE-ADJUSTABLE

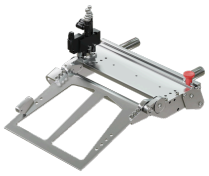
Angle-adjustable Wipe-On peeler blade for maximum flexibility

Function	Wipe-On
Drive concept applicator	Rigid

WIPE-ON DISPENSING TONGUE, PENDULUM TYPE

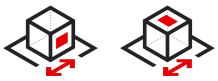
Wipe-on peeler blade with oscillating peel bar

Function	Wipe-On
Drive concept applicator	mechanical pendulum type



WIPE-ON DISPENSING TONGUE, PNEUMATIC

Robust pneumatic Wipe-On peeler blade with variable extension length



Function	Wipe-On
Drive concept applicator	Pneumatic

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2026-10-07 | en_INT

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