



AZIMUTH EVO

Vertical form fill seal wrapper



PFM AZIMUTH EVO:

PFM Azimuth EVO is a PFM vertical bagger.

Innovative, intermittent motion, vertical wrapping machine where the wrapping material is un-wound continuously in order to maintain a constant film speed (avoiding film stretching, vibrations and mis-alignment due to the inertia to start and stop the reel of film) and limit the number of rollers. The film movement becomes intermittent by means of a unique dancing rollers assembly that “reads” the film tension, calculates the film pull length to make the required bag length and electronically “feeds”, at every cycle, the required film amount to the wrapping machine. This unique solution allows to drastically reduce the friction of the film on the film forming collar and allows, among the others, for higher wrapping speed when compared to standard intermittent motion machines. The special frame design allows for an easy in-line integration of a labelling machine



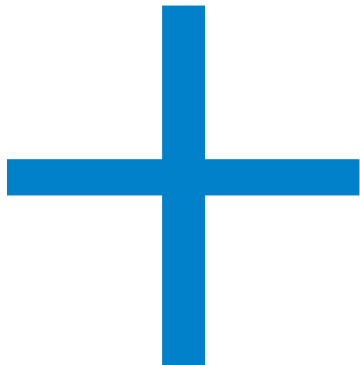
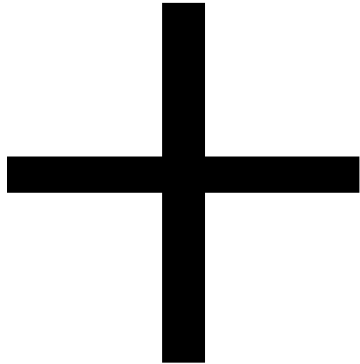
• Standard version.



• Inclined EW version.

AZIMUTH EVO

THE MACHINE WILL BE SUPPLIED AS FOLLOWS:



- Main frame in anodized aluminium and painted carbon steel.
- SIEMENS Electronics.
- Brushless servomotors to drive the film reel holder, film pulling belts and the transverse sealing crimpers.
- Festo pneumatics.
- Adjustable machine height using BSL system plastic articulated feet with stainless steel screws and polyamide bases.
- Cantilevered, expansion locking type, wrapping material reel holder with micro side adjustment and brake. Maximum reel width 700 mm. Core 76 mm, maximum O.D. of reel 350 mm.
- Servo-driven reel holder with continuous film un-wind with integrated dancing roller feedback to ensure minimum film stretch and constant tension during operation.
- Electronically controlled dancing rollers assembly to transform the film motion from continuous to intermittent.
- Manual splice table to make the reel change operator's friendly.
- Registration unit (photocell) for printed and registered wrapping material in addition to the film encoder.
- N. 1 x pillow-pack bag forming set.
- Wrapping material draw down unit, servo driven, with hard rubber drive belts, self-centring and with adjustable pressure. Vacuum type version available as an option.
- Vertical sealing unit with heat sealing bar, complete with heater and thermocouple, pneumatically operated.
- Horizontal sealing unit, servo driven, with transverse pattern crimpers complete with heaters, thermocouples and pneumatically operated knife.
- Automatic film centring unit mounted before the film forming tube.
- Provision for thermal transfer coder.
- Discharge chute.
- Safety interlocks on guards around sealing units controlled by a PILZ Safety Controller.
- HMI with 10" colour touch screen, which provides information to the operator, supervisor and engineer. Information covers machine and feeder status, overall machine and individual function operating conditions, product details, management statistics and diagnostics for engineers. Complete with memory for 50 sizes.
- Electronic temperature controllers (embedded into the HMI).
 - One electronic temperature controller for vertical sealing unit.
 - Two electronic temperature controllers for horizontal sealing unit.
- Start, sequence stop, reset and emergency stop switches mounted below the HMI.
- Take away conveyor for filled bags (Optional).
- Standard spares and tools kit.

FEATURES :

MAIN OPTIONS

- STAINLESS STEEL VERSION (Fabricated frame in Stainless Steel AISI 304).
- ADDITIONAL REEL HOLDER with manual splice table.
- VACUUM TYPE FILM PULLING BELTS.

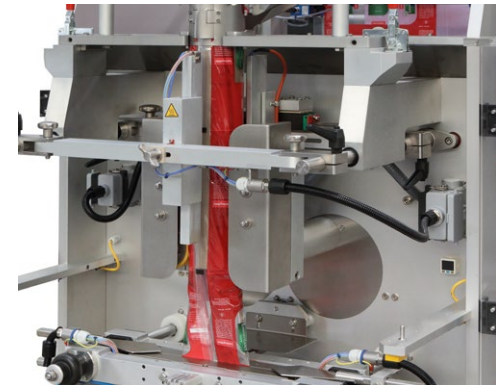
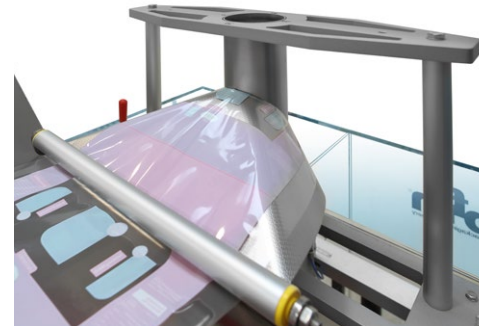
BAGS CONFIGURATION

The Azimuth EVO can make the following bag styles:

- PILLOW bags.
- GUSSETED bags.
- BLOCK BOTTOM bags (with central or side seal).
- STEELO bags (4 sealed corners with central seal or side seal).

NOTE

When the STEELO bag pack format with offset side seal is required, the maximum film width is 550 mm.





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PACK SAMPLES :



Pillow bags, with straight or zig-zag cut.



Gusseted bags.



Block bottom bags.



Steelo bags.

DATA:

Sealing jaws width	350 mm
Forming tube diameter minimum-maximum	50-200 mm
Pillow-bag production	95 cycles/min
Film pulling belts	N°2 brushless motors
Transversal sealing unit, intermittent	N°1 brushless motor
Vertical sealing unit, intermittent	Pneumatic inside the machine
Motorized expansion reel holder spread shaft.	N°1 brushless motor
Film-centring system	N°1 step motor
Electronics	SIEMENS
Touch Screen	PFM 10.1"
Master-control	SIMOTION C
Communication network	Ethernet
Power Supply	400 V - 3 Ph
Overall dimensions (width x lenght x height)	150 x 200 x 185 cm.
Weight	650 kg



TECH AREA ACCESS



www.pfm.it/azimuth-evo

