

Packaging Machinery

**The Green
World**

The green world



Hygiene, transportability, aesthetics, information : guaranteed with the advanced PFM packaging solutions.

PFM deals with the numerous packaging needs of the fruit and vegetable industry on a daily and direct basis.

PFM Green World is a range of horizontal flow-pack wrapping machines specially designed for packaging fruit and vegetables.

Our packaging machines have been studied in every detail and allow users to decide how best to use the machine based on their specific requirements.

The PFM Green World offers high technology and zero defects, no maintenance and maximum efficiency, even 24 hours a day.



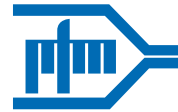
Swift and Hurricane: A rotary Flow-Pack wrapping machine for producing closed wraps sealed on three sides from a reel of heat-seal material, even micro-perforated. It is also designed to wrap fruit and vegetables at high speeds, with or without tray. Available in mechanical or electronic version with reel widths of 500 mm or 700 mm.

- **Attractive wraps:** with resistant, creaseless and perfectly positioned seals. Thanks to the numerous adjustment possibilities and the special forming tunnel, products can be wrapped and sealed in such a way as to satisfy even the most demanding aesthetic requirements.
- **Two-minute changes:** the self-centring reel holder, forming tunnel, calender and wrap length are adjustable and have been designed for operators who know what they have to do.
- **Easy cleaning:** a fundamental factor in the fruit and vegetable sector and therefore a primary consideration during the design of the PFM machines. Mechanical units, protected electronics, open loading belt with contact parts in AISI 304 stainless steel.



Technical Data:

- Bag length adjusted by means of a mechanical variation unit.
- 3 wheel units with preheating bar option.
- Reel width of 500 mm.
- Self-centring reel holding shaft.
- Interchangeable, rapid release product pushers.
- Motorized discharge conveyor.
- Adjustable calender and forming tunnel.



Packaging Machinery

- **Electronic version:** equipped with two brushless motors with axis controller. The bag length in mm is programmed by means of an alphanumeric keyboard. Print centring is automatic.



Technical Data:

- Electronic bag length adjustment by means of a keyboard or mechanical variation unit.
- 3 wheel units for longitudinal sealing with preheating bar option.
- Reel width of 500 mm or 700 mm.
- Self-centring reel holder.
- Interchangeable, rapid release product pushers.
- Motorized discharge conveyor.
- Adjustable calender and forming tunnel.



Green



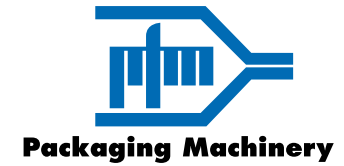
PFM 2800 Green is a universal electronic LVA flow-pack wrapping machine for producing closed wraps sealed on three sides from a reel of heat-seal material, even micro-perforated.

The PFM LVA Electronic Technology allows automatic adjustment of the bag length based on the length of the product.

PFM Box Motion transversal sealing system: prolongs the sealing time for creating perfectly hermetic wraps.

Crimpers of 400 mm, reel width 900 mm , LVA system: maximum flexibility, no limits.

High wrapping speeds: up to 40 packs a minute, 40,000 different adjustments in 16 hours.



Closed Packages of pillow pack type, from reels of welding material to flat foil (such as microperforated propylene and polyethylene for foodstuffs).



Falcon + ATL (Automatic Trays Loader)

- Automatic packaging line for producing flow wraps with three-sided sealing with automatic loader designed for wrapping fruit and vegetables in trays of various shapes and sizes.
- Cantilevered structure: the mechanical and electronic components are housed at the back of the wrapping machine and loader in separate, protected environments. The front of the machine therefore remains free for allowing efficient cleaning.
- Electronic technology: straightforward and rational ; also available with Touch Screen (optional) for guaranteeing high wrapping speeds and maximum operating efficiency.



Packaging Machinery



Technical Data:

- Forming tunnel with adjustable width and height for rapid size changes.
- 3 pairs of separate, protected and tiltable longitudinal sealing wheels.
- Self-centring reel holding shaft with dancing roller brake and possibility of automatic reel change.
- Bag adjustment by means of a mechanical variation unit or electronic keyboard.
- Rotary transversal sealing unit with differentiated temperature control.
- In-line tray loader with independent cantilevered belts controlled electronically with "self-tightening" and "self-centring" system.



Packaging Machinery



Zenith



Produces attractive, economical, practical and inviting wraps. User-friendly electronics in a machine that has been specifically studied for the fruit and vegetable industry : the closest yet to perfection.



Zenith :

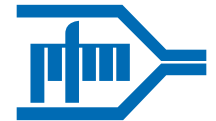
Vertical Form Fill Seal wrapping machine for producing wraps with three-sided seals from a reel of laminated heat-seal or micro-perforated wrapping material.

Straightforward and rational electronic control of all the machine functions with a structure designed to simplify and speed up the cleaning operations. Robust, protected wrapping machine construction with high quality mechanical, electronic and pneumatic components.



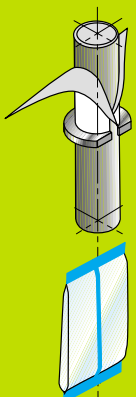
Technical Data:

- Intermittent sealing system with double differentiated temperature control.
- Structure protected against the infiltration of corrosive agents.
- "Rapid release" forming tube.
- Self-centring reel holding shaft with electronic dancing roller brake.
- Self-centring system with highly adherent belts for pulling the film.
- Latest generation PLC for controlling all the machine functions.

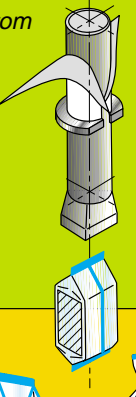


Packaging Machinery





Flow pack

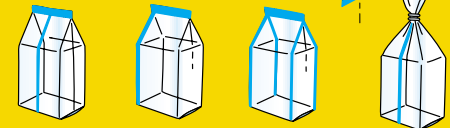


Square bottom

Forming Tubes:

The perfect appearance of the wraps has been achieved through detailed studies of the shape of the forming tube using dedicated software to suit the specific requirements. Flow-pack wraps or square bottom wraps with handle or off-centre sealing.

Examples of the "Square Bottom" packaging.

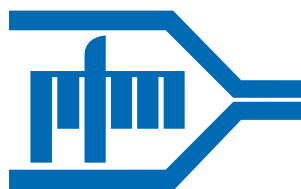


The Green World

Dati tecnici:

	Green	Swift	Hurricane	Falcon	Zenith
Lunghezza prod. confezionabile:	LVA	mm 350	mm 350	mm 600	mm 350/400
Larghezza prod. confezionabile:	mm 350-380	mm 220	mm 220-320	mm 320-380	mm 220-320
Altezza prod. confezionabile:	mm 230	mm 100-140	mm 100-140	mm 120-150	volume lt. 4-8
Fascia bobina:	mm 900	mm 500	mm 500-700	mm 700-900	mm 500-700
Larghezza ganasce di saldatura:	mm 400	mm 250	mm 250-350	mm 250/350/400	mm 250
Velocità meccanica:	cicli 40	cicli 100	cicli 100	cicli 200	cicli 40-80
Versioni:	-	Meccanica	Meccanica Elettronica Extra Wide	Meccanica Elettronica Servo/Extra W.	Meccanica Servo Extra Wide
Assorbimento elettrico:	Kw 3.5	Kw 3.5	Kw 3.5	Kw 6.3	Kw 4
Consumo aria compressa NL/min:	NL/min 250	-	-	-	NL/min 0-400
Peso:	Kg 750	Kg 400	Kg 450	Kg 750	Kg 500

- Materiali d'incarto: polipropilene laminato, accoppiato o microforato. Polietilene.
- La Swift é disponibile solo nella versione Meccanica
- La Hurricane é disponibile nelle versioni: Meccanica, Elettronica, Extra Wide (fascia bobina 700mm, TC 350 mm).
- La Falcon é disponibile nelle versioni: Meccanica, Elettronica, Servo, Extra Wide (fascia bobina 900mm, TC 400 mm).
- La Zenith é disponibile nelle versioni: Pneumatica, Servo, Extra Wide.
- Alimentazione standard: 380 Volt, trifase + neutro + terra.
- La PFM si riserva il diritto di modificare i dati tecnici senza preavviso.



Packaging Machinery

PFM S.p.A. SEDE CENTRALE PACKAGING MACHINERY

ITALIA
Via Pasubio, 49 -
Torrebelvicino (VI) ITALIA

Tel: 0445/570110
Fax: 0445/570175
Telex: 480405
Internet: www.pfm.it
E-mail: pfm@pfm.it

PFM PACKAGING MACHINERY LTD

GREAT BRITAIN
Unit 8/9, Intercity Way
LEEDS LS13 - 4LY

Tel: (+44) -113 -2393401
Fax: (+44) -113 -2393402
E-mail: pfm@pfm-ltd.co.uk

PFM PACKAGING MACHINERY CORPORATION USA & CANADA

1271, Ringwell Ave.
Newmarket
Ont. Canada L3Y 7V1.

Tel: (+1) - 905 - 836 - 6709
Fax: (+1) - 905 - 836 - 7763
Internet: www.pfmusa.com
E-mail: info@pfmusa.com

PFM PACKAGING MACHINERY LTD

RUSSIA
UL. BOLSCIAIA NIKITSKAYA,
31, kv.9
103009 MOSCOW

Tel - Fax: (007) (095) 9265086