

THE BEST WAY TO SAY PACKAGING



Ecofard SERIES

High-speed shrink wrap machine

Made in Italy



- ▶ **Ecofard**
- ▶ Ecofard **F**
- ▶ Ecofard **C**
- ▶ Ecofard **V**
- ▶ Ecofard **SF**
- ▶ Ecofard **SC**
- ▶ Ecofard **SV**
- ▶ Ecofard **DL**
- ▶ Ecofard **Cont**
- ▶ Ecofard **Cont C**
- ▶ Ecofard **Cont V**
- ▶ Ecofard **Cont S**
- ▶ Ecofard **Cont SC**
- ▶ Ecofard **Cont SV**

POWERED BY

ATLANTA
NETWORK

Atlanta[®]
PACKAGING TECHNOLOGY & MACHINERY



Only film, pad plus film or tray plus film shrink wrap machine

Ecofard Series

... Quick and versatile with any type of product

The **Ecofard Series** is a range of automatic heat-shrink film packaging machines designed to ensure flexibility of formats and packaging solution for a broad variety of glass, metal, carton and plastic products.

The entire range, comprising **14 models**, is distinguished by the reliability of the mechanics moving the product precisely, regardless of the format, dimensions and type of material.

The **Ecofard Series** can be used to wrap packages with film only, pad plus film and tray plus film, on a single or double layer, at a speed of 35 to 90 packages/minute on a single lane and **up to 270 packages/minute on a triple lane**.

The **Ecofard Series** is manufactured with excellent quality materials and components to keep constant performance over the years for production lines that work 7 days a week up to three shifts.

... The machine

- 
- ▶ Movements activated by high energy efficiency **brushless and asynchronous motors**.
 - ▶ Sliding safety guards allow the operator to have full view of the machine, the wide opening ensures **easy access during maintenance** and cleaning operations.
 - ▶ **High-efficiency heat-shrink tunnel** with infeed pre-chamber to prevent dissipation of heat and air flow control module to manage turbulence.
 - ▶ **Touch screen** panel with simple and intuitive interface: this allows the operator to quickly set all parameters.
 - ▶ **Quick format changeover** through the standard touch screen control panel; it normally does not require replacing parts.
 - ▶ Optional **automatic format changeover**.
 - ▶ High precision centring of the **printed film also on several lanes**.
 - ▶ **Combined product presence check** in the channels, both with feelers and with photocell.
 - ▶ **Blank feeding** with suction cup system.
 - ▶ Available in the partial **stainless steel version**.

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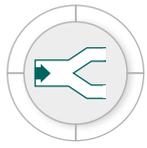
●●● The benefits of Ecofard Series



Soft touch technology for fragile packages: the movement of the crossbars accompanying the product ensures calibrated contact in order not to damage the products.



Double layer: precision stacker to overlay "tray+tray" products.



Wide double lane for medium/large products.



Adjustable air flow within the tunnel, for controlled heat-shrinking according to the size of the package.



Heat-shrink tunnel that can be inspected: wide panel that can be opened to minimise maintenance time.



Double reel holder as standard for greater production autonomy (optional on Ecofard F, C, V).



Manuals and technical documentation: available in the language of the country of installation (upon request).
Certifications: meeting the regulations of the target country.



Smart integration: Compatible with the most widespread enterprise management (ERP) and software protocols.



Designed for your product: the entire product path and its movement are optimised according to the samples you supply.

●●● Atlanta workflow

▶ **Analysis of the customer's needs:** acquisition of product and production line data, assessment of required performance, identification of machine model.

▶ **Engineering:** definition of technical characteristics and any required customization.

▶ **Production:** the machine is assembled by specialised technicians according to an assembly protocol that ensures continuous control of quality standards.

▶ **FAT (Factory Acceptance Test):** operating test with products and materials supplied by the customer, issue of the acceptance document.

▶ **Training:** the Atlanta tutors are technicians trained to transfer all required expertise to your line operators so they can perform routine maintenance independently.

▶ **Installation:** the machine is commissioned and tested by Atlanta technicians to ensure utmost efficiency and to train the operators.

●●● Aftersales service

▶ **Scheduled maintenance:** preventative maintenance can be scheduled to optimise and minimise line downtime.

▶ **Remote assistance:** this service is available in various languages and allows providing immediate support to your technicians in the event of an emergency.

▶ **Remote support:** when this service is activated, our technicians can operate directly on the machine software, decreasing waiting time and costs.

▶ **On-site assistance:** this service is provided by a team of multi-language travelling technicians with mechanical and software expertise.

▶ **Spare parts:** storing and supplying service for original spare parts to maintain maximum efficiency of your machine.



CASE HISTORY

Ecofard: from 8x6 jars to 5x4 large bottles
Customer request: quick format changeover, for glass containers of different type and format, with possibility of producing different package configurations.

Single, double and triple lane shrink wrap machines

Ecofard Series

●●● Speed and precision also over several layers

The **Ecofard Series** is designed for very fast production lines; the Cont versions use a continuous feeding system which allows creating the individual configurations without stopping the product. The soft touch **calibrated impact** pushing unit ensures that the accompanying crossbars do not damage the packaging when they come into contact with it.

This system ensures high performance of the **Ecofard Series** models both with

large and heavy products and with **very small or fragile products**.

The multi-row feeding comprises two independent belts powered by brushless motors and the blank feeding is controlled by a pneumatic suction cup system.

The **Ecofard Series** has an optional film centring protocol which, together with the rotary cutting and the film unwinding system powered by brushless motors, allows producing

precise packages even with bundles that are particularly detailed.

The reel unwinding is controlled by a pneumatic brake that ensure proper film tension at any speed.



Quick format changeover with facilitated precision positioning.



The tensioning unit ensures precise feeding even at the end of the reel.



The pad/tray magazine, adjustable according to the dimensions of the blanks, is located under the channelling belt in order to be quickly refilled.

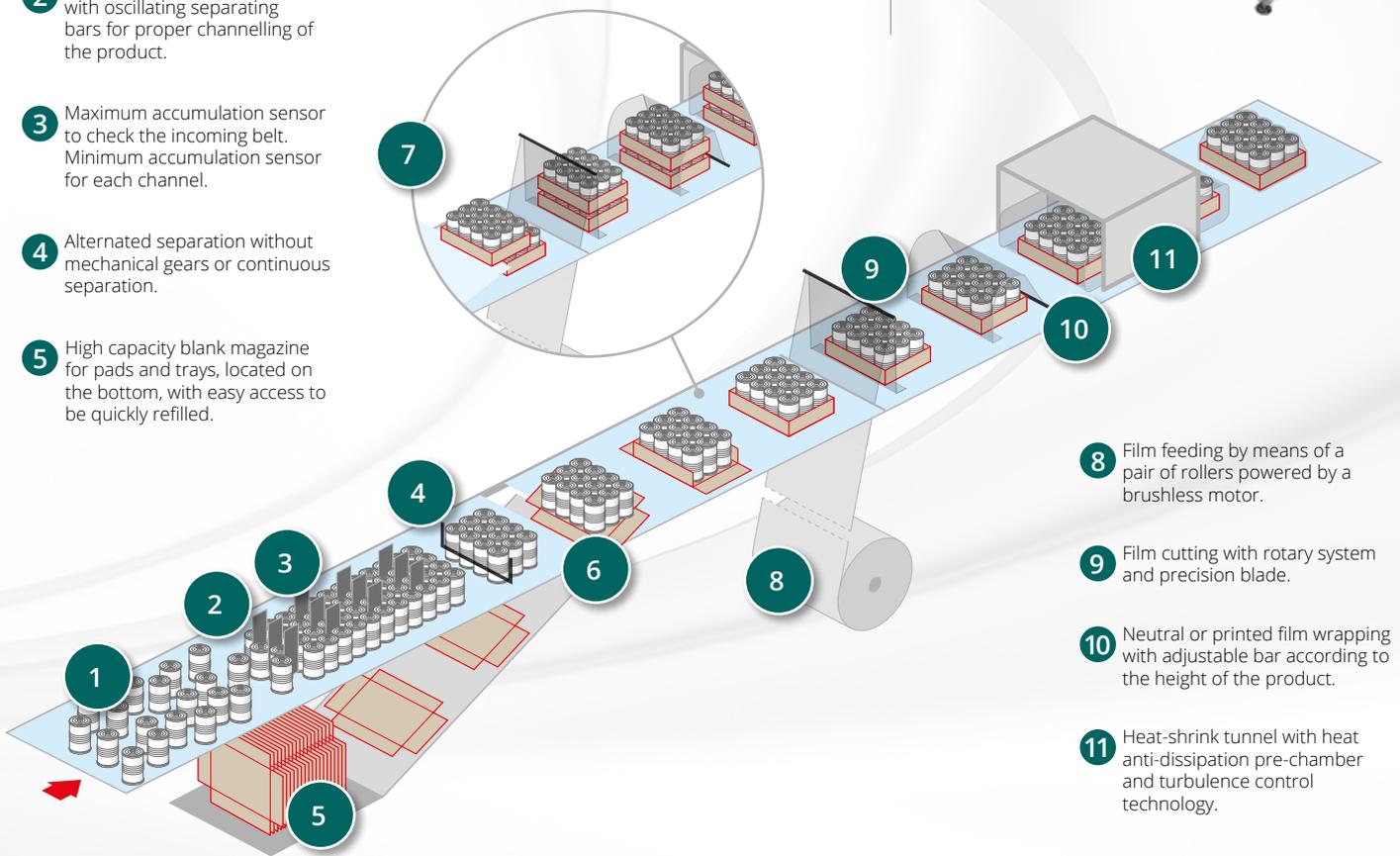
SOME EXAMPLES OF THE MOST USED FORMATS



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... **Operating diagram**

- 1 Loose product feeding, arriving in-line, on a crossover infeed conveyor, or at 90°.
- 2 Pneumatic anti-jamming unit with oscillating separating bars for proper channelling of the product.
- 3 Maximum accumulation sensor to check the incoming belt. Minimum accumulation sensor for each channel.
- 4 Alternated separation without mechanical gears or continuous separation.
- 5 High capacity blank magazine for pads and trays, located on the bottom, with easy access to be quickly refilled.
- 6 Tray or pad inserting device.
- 7 Stacker for double layer (optional).



- 8 Film feeding by means of a pair of rollers powered by a brushless motor.
- 9 Film cutting with rotary system and precision blade.
- 10 Neutral or printed film wrapping with adjustable bar according to the height of the product.
- 11 Heat-shrink tunnel with heat anti-dissipation pre-chamber and turbulence control technology.

Ecofard V DS:
machine capable of processing a double layer of tray+tray, ideal for jars of preserves.



Double XL lane for bottles of up to 2 litres in 3x2

Ecofard Series

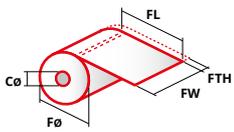
Model	Ecofard	F	C	V	SF	SC	SV	DL	Cont	Cont C	Cont V	Cont S	Cont SC	Cont SV	
PACKAGING															
Film	✓	✓	✓	opt.	✓	✓	opt.	✓	✓	✓	opt.	✓	✓	opt.	
Pad + Film			✓	✓		✓	✓			✓	✓		✓	✓	
Tray + Film				✓			✓				✓			✓	
Double layer				opt.			opt.				opt.			opt.	
DIMENSIONS															
Length (mm)	7,460	9,070	9,070	10,785	10,100	10,110	11,820	10,850	11,120	11,120	12,835	13,110	13,680	15,900	
Width (mm)	1,360	1,360	1,360	1,360	1,360	1,360	1,360	1,600	1,360	1,360	1,360	1,360	1,360	1,360	
Height (mm)	2,246	2,246	2,246	2,246	2,246	2,246	2,246	2,246	2,246	2,246	2,246	2,246	2,246	2,246	
SPEED packages/minute															
Single lane	35	35	35	35	45	45	45	45	60	60	60	80	80	80	
Double lane		70	70 *	70 *	90	90 *	90 *	90	120	120 *	120 *	160	160 *	160 *	
Triple lane		105	105 *	105 *	135	135 *	135 *	135	180	180 *	180 *	240	240 *	240 *	
* function can be activated in film only mode															
FEEDING															
In-line (4 channels)	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	
In-line (8 channels)								✓							
90°	opt.	opt.	opt.	opt.	opt.	opt.	opt.								
Double lane		opt.	opt.	opt.	opt.	opt.	opt.	✓	opt.	opt.	opt.	opt.	opt.	opt.	
Triple lane		opt.	opt.	opt.	opt.	opt.	opt.	opt.	opt.	opt.	opt.	opt.	opt.	opt.	
Anti-jamming unit			✓ only in-line						✓	✓	✓	✓	✓	✓	
SEPARATION															
Base	✓														
Long crossbars		✓	✓	✓	✓	✓	✓	✓							
Continuous									✓	✓	✓	✓	✓	✓	
OVEN															
Heat-shrink tunnel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
PAD - TRAY MAGAZINE															
Capacity			500	500		500	500			500	500		500	500	

opt. = optional

SPECIFICATION	
Cutting blade length	650 mm
Installed power	45 kW to 100 kW
Voltage	400V - 3-Phase / SO Hz + N + G
Electrical protection	IP54
Compressed air consumption	20 NI/cycle at 6 bar
Total weight	4,000 - 5,300 kg
Operating temperature	min +5°C - max +40°C
Relative humidity	max 70%
Machine colour	<div style="display: flex; align-items: center;"> <div style="width: 15px; height: 15px; background-color: #808080; margin-right: 5px;"></div> RAL 7037 <div style="width: 15px; height: 15px; background-color: #FF0000; margin-right: 5px; margin-top: 5px;"></div> RAL 3020 </div>

OPTIONAL	
Automatic format changeover	Automatic reel change
Printed film: centring	Double and triple lane
Double layer stacker	Adjustable feeding guides with handwheels
Manual or automatic centralized lubrication	Motorized crossover infeed conveyor
Photocells for product presence check after separation phase	Pneumatic motor to empty oven in case of power shut off
Partial stainless steel version	Customized RAL colour
4.0 Industry	Electrical panel air conditioning
Teleservice - Remote support	

FILM REEL DIMENSIONS



	Minimum	Maximum
Fø		450 mm
Cø		75 mm
FW	150 mm	650 mm
FL	250 mm	1,300 mm
FTH	30-40 µm	90 µm

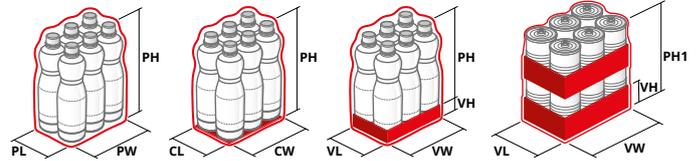
Data to be confirmed upon reception of the sample.

MINIMUM/MAXIMUM PRODUCT FORMATS

Single lane

1 Film	Minimum	Maximum	2 Pad	Minimum	Maximum
PW	100 mm	470 mm	CW	160 mm	470 mm
PL	50 mm	310 mm	CL	100 mm	310 mm
PH	60 mm	370 mm	PH	60 mm	370 mm
3 Tray	Minimum	Maximum	4 Double layer tray	Minimum	Maximum
VW	180 mm	470 mm	VW	180 mm	470 mm
VL	100 mm	310 mm	VL	100 mm	310 mm
VH	30 mm	100 mm	VH	30 mm	100 mm
PH	60 mm	370 mm	PH1	60 mm	300 mm

1 Film 2 Pad 3 Tray 4 Double layer tray



ECOFARD DL: MINIMUM/MAXIMUM PRODUCT FORMATS

	Double lane		Triple lane	
1 Film	Minimum	Maximum	Minimum	Maximum
PW	100 mm	300 mm	100 mm	160 mm
PL	50 mm	300 mm	50 mm	300 mm
PH	60 mm	370 mm	60 mm	370 mm

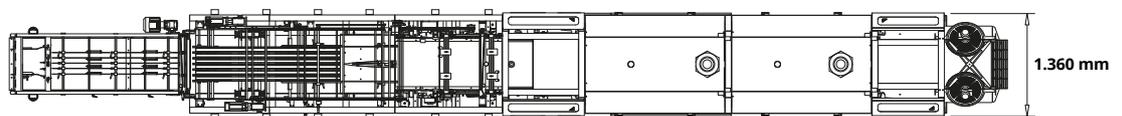
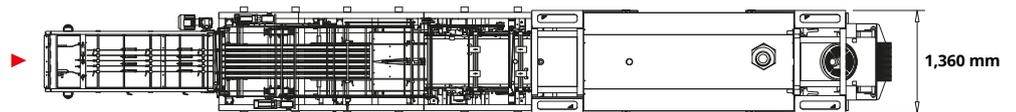
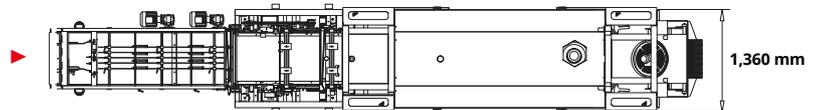
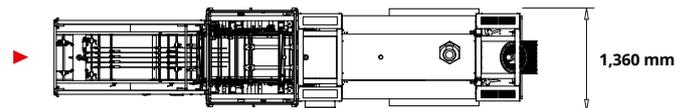
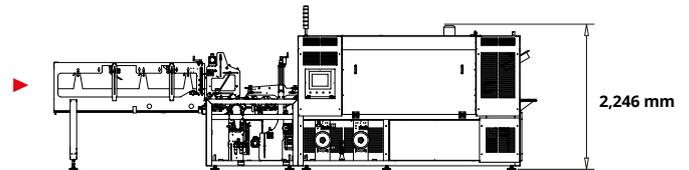
MEASURES IN THE TABLES REFER TO STANDARD PRODUCTS. PRODUCTS OUTSIDE THIS RANGE CAN ALSO BE MANUFACTURED. Data to be confirmed upon reception of the sample.

Ecofard	1
Ecofard F	1
Ecofard C	1 2
Ecofard SF	1 2
Ecofard V	1 2 3 4

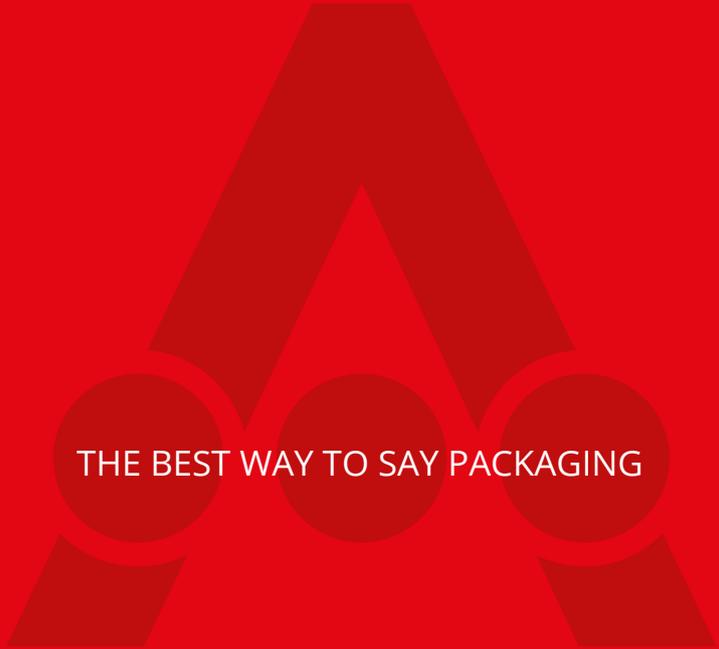
Ecofard SC	1 2
Ecofard SV	1 2 3 4

Ecofard Cont	1
Ecofard Cont C	1 2
Ecofard Cont V	1 2 3 4

Ecofard Cont S	1
Ecofard Cont SC	1 2
Ecofard Cont SV	1 2 3 4



Atlanta reserves the right to change the design and/or specification of products without prior notice. Part of this information is general only; the customer must ensure they apply to their needs; some functions are optional; out of scale drawings are valid as a description only.



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