

THE BEST WAY TO SAY PACKAGING



Opale SERIES

Shrink wrap machine

Made in Italy




- ▶ Opale
- ▶ Opale **F**
- ▶ Opale **C**
- ▶ Opale **V**
- ▶ Opale **Cont**
- ▶ Opale **Cont C**
- ▶ Opale **Cont V**

POWERED BY

ATLANTA
NETWORK

Atlanta[®]
PACKAGING TECHNOLOGY & MACHINERY



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

Opale Series

The packaging machines of the **Opale Series** are automatic bundling machines with heat-shrink film, suitable for lines that require high speed. The folded sheet frame without welding, also available in the partial or full stainless steel version, makes these machines stable, flexible and easy to clean.

Since it is possible to create bundles with film only, pad plus film or tray plus film, Opale series is suitable to be included in the end of line of the most varied industrial sectors.

Standard models allow **packaging a broad variety of products** that differ as for material, shape and size: glass or PET **bottles, tins, cans, jars, tanks, dispensers, boxes, cases.**

Opale can be **implemented with customized options upon request** to meet specific needs both with regards to function and machine equipment.



... The machine

- ▶ **Weldless frame** for robustness and flexibility.
- ▶ Possibility of having the machine **completely in stainless steel.**
- ▶ Main machine movements driven by **servomotors.**
- ▶ Servomotors for film cutting and **feeding control.**
- ▶ Fully inspectable **film cutting and insertion area.**
- ▶ Each moving part is protected by its own **safety joint.**
- ▶ **Wrapping crossbars adjustable in height** with handwheel.
- ▶ **High efficiency shrink tunnel** with adjustable bottom and side air flows.
- ▶ Touch screen operator **control panel.**
- ▶ **Sliding safety guards** for maximum accessibility.
- ▶ **Quick format changeover** by means of the standard touch screen control panel; it normally does not require replacing parts.

Atlanta. The best way to say packaging.



CASE HISTORY

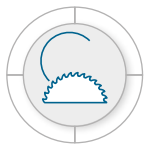
Opale stainless steel version

Request of the customer: stainless steel version with extended feeding, customized equipment and overhead cables.

... The benefits of the OPALE 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.



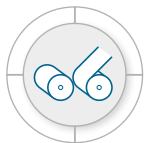
Rotary cut driven by a brushless motor for perfect cutting at high speed.



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.



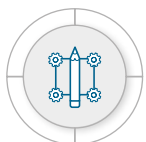
Double reel holder for greater production autonomy.



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.

Oscillating guides place the products along ordered rows, preparing them for the grouping phase.



Single, double and triple lane shrink wrap machines

Opale Series

For smart production lines

Production lines require production flexibility, great performance and extreme ease of use.

To ensure greater speed, the Opale Cont versions **use a feeding with continuous separation**, controlled by one or more separately powered belts.

An inverter controls belts and groups the products in the selected configuration among the pre-set ones, without stopping their advancement along the line.

The **soft touch pushing unit** of the Opale Series ensures that the accompanying crossbars do not damage the product when it

come into contact with it; the motor regulates the push to move both **large and heavy products** and **small or fragile** products in an optimal way.

Format changeover does not normally require replacing parts and is controlled by the operator who is guided intuitively by the instructions on the **touch screen panel**.

The **rotary blade with brushless motor** and film turner ensure that the cut is always precise even with printed film also at maximum speed.

RECOMMENDED FOR

Boxes

Cans

Jars

Tins

Bottles

Spray cans

Tanks

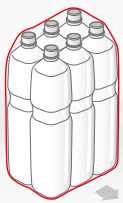
Cases

Trays

Dispensers

Bricks

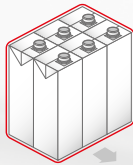
SOME EXAMPLES OF THE MOST USED FORMATS



3X2



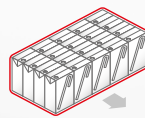
3X2



3X2



4X3



5X4

CASE HISTORY

Opale, a single machine for 7 different bottle formats.

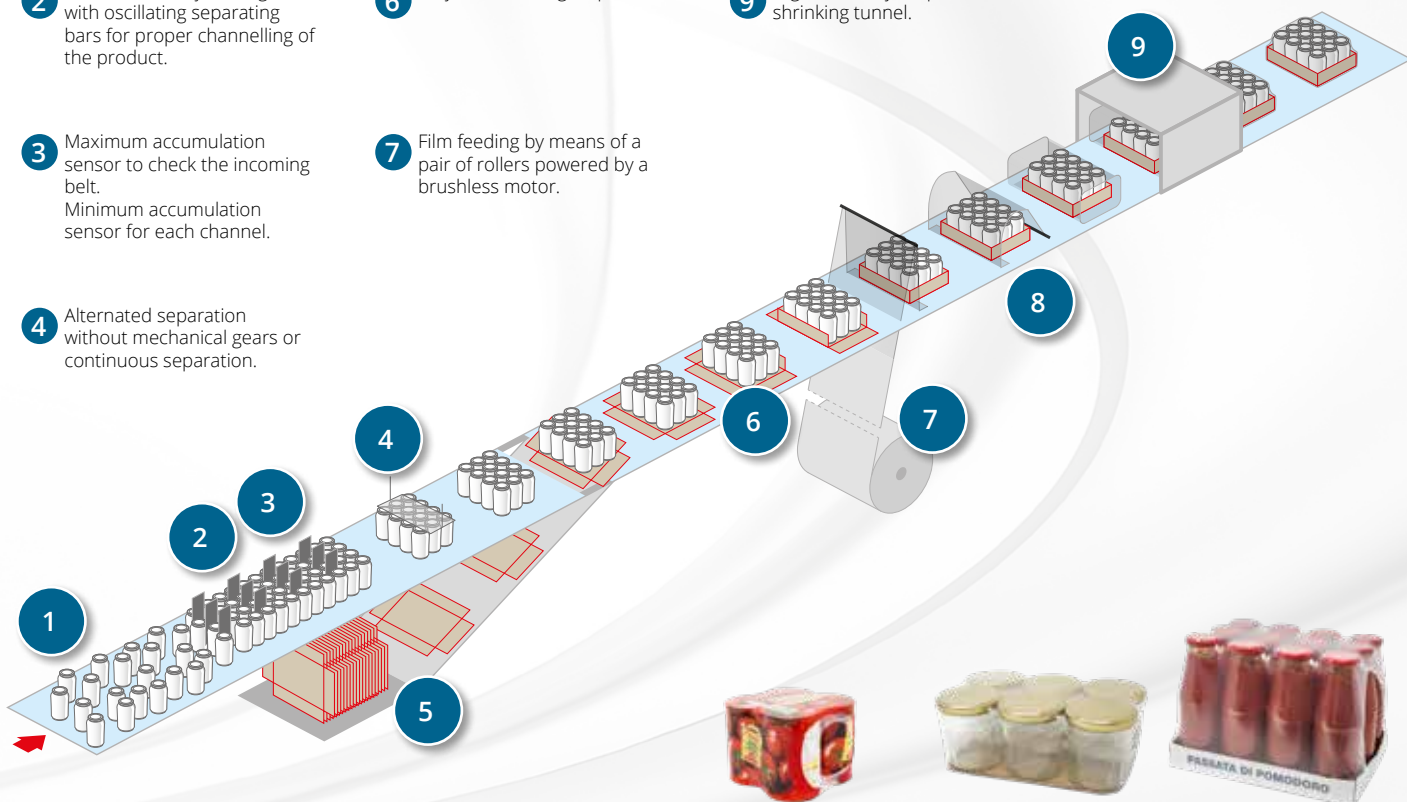
Request of the customer: quick format changeover, controlled from the touch screen panel without changing parts, for multiple configurations, with or without tray, for PET bottles with the following formats: 0.25 L, 0.50 L, 0.75 L, 1L, 1.5 L, 2 L, 5 L.



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●●● Operating diagram

- 1 Loose products feeding, arriving in-line, on crossover infed 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 closed with glue points.
- 7 Film feeding by means of a pair of rollers powered by a brushless motor.
- 8 Neutral or printed film wrapping by means of a bar that can be adjusted according to the height of the product.
- 9 High efficiency output heat-shrinking tunnel.



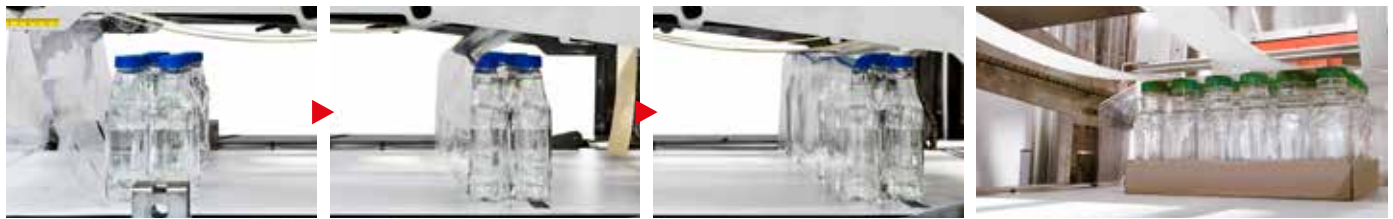
Ease to use

Opale Series

Model	Opale	Opale F	Opale C	Opale V	Opale Cont	Opale Cont C	Opale Cont V
PACKAGING							
Film	✓	✓	✓	optional	✓	✓	optional
Pad + Film			✓	✓		✓	✓
Tray + Film				✓			✓
DIMENSIONS							
Length (mm)	8,338	9,849	9,849	13,410	11,350	11,350	13,150
Width (mm)	1,570	1,547	1,547	1,700	1,600	1,600	1,600
Height (mm)	2,200	2,074	2,074	2,200	2,200	2,200	2,200
SPEED packages/minute							
Single lane	45	45	45	45	60	60	60
Double lane		90	90*	90*	120	120 *	120 *
Triple lane		135	135*	135*	180	180 *	180 *
* function can be activated in film only mode							
FEEDING							
In-line (4 channels)	✓	✓	✓	✓	✓	✓	✓
90°	optional	optional	optional	optional			
Double lane		optional	optional	optional	optional	optional	optional
Triple lane		optional	optional	optional	optional	optional	optional
Anti-jamming unit	✓ only in-line				✓	✓	✓
SEPARATION							
Base	✓						
Long crossbars		✓	✓	✓			
Continuous					✓	✓	✓
OVEN							
Heat-shrink tunnel	✓	✓	✓	✓	✓	✓	✓
PAD AND TRAY MAGAZINE							
Capacity			500	500		500	500

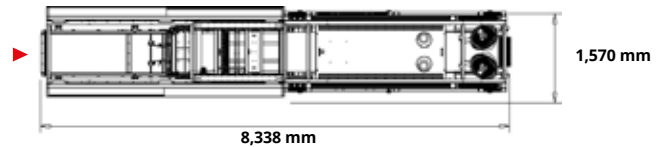
SPECIFICATION	
Cutting blade length	700 mm
Installed power	65 kW to 70 kW
Voltage	400V - 3-Phase/50Hz + N + G
Auxiliary voltage	24V DC/AC
Electrical protection	IP54
Compressed air consumption	20 NI/cycle at 6 bar
Operating temperature	min +5°C – max +40°C
Relative humidity	max 70%
Total weight	3,300 – 4,000 kg
Product presence check	feelers + photocells
Machine colour	 RAL 7037 RAL 3020

OPTIONAL	
Automatic format changeover	Double and triple lane
Printed film: centring	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 or total stainless steel version	Customized RAL colour
4.0 Industry	Electrical panel air conditioning



Opale

1



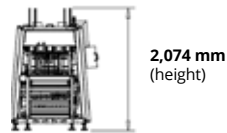
Opale F

1

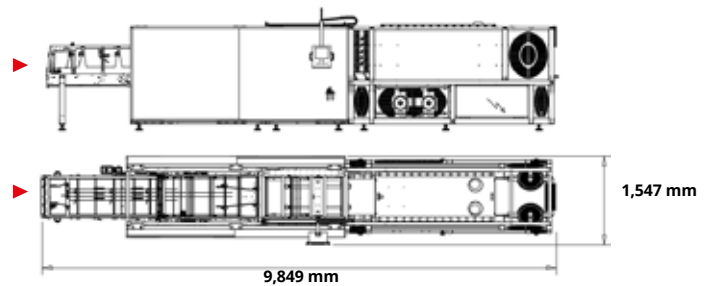
Opale C

1

2



2,074 mm
(height)



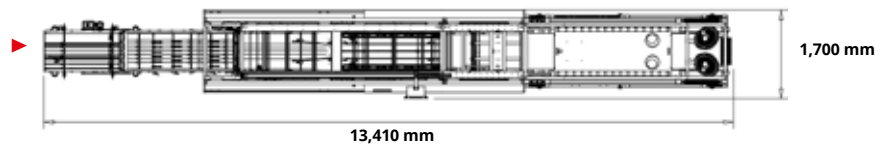
Opale V

1

2

3

4



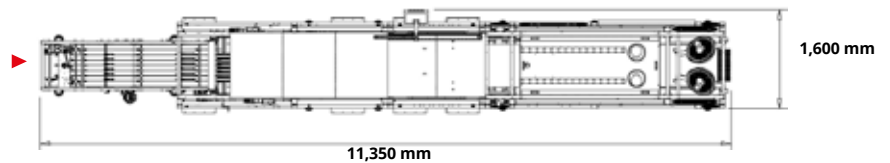
Opale Cont

1

Opale Cont C

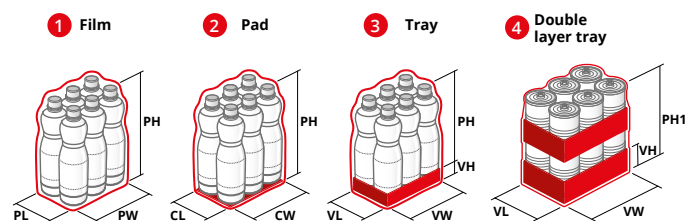
1

2



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.

MINIMUM/MAXIMUM PRODUCT FORMATS					
1 Film	Minimum	Maximum	2 Pad	Minimum	Maximum
PW	100 mm	500 mm	CW	180 mm	500 mm
PL	50 mm	310 mm	CL	120 mm	310 mm
PH	60 mm	385 mm	PH	60 mm	385 mm
3 Tray	Minimum	Maximum	4 Double layer tray	Minimum	Maximum
VW	180 mm	500 mm	VW	180 mm	500 mm
VL	120 mm	310 mm	VL	120 mm	310 mm
VH	30 mm	100 mm	VH	30 mm	100 mm
PH	60 mm	385 mm	PH1	60 mm	385 mm



FILM REEL DIMENSIONS			
		Minimum	Maximum
F Ø			450 mm
C Ø			75 mm
FW		150 mm	650 mm
FL		250 mm	1,300 mm
FTH		40 µm	90 µm

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.

Data to be confirmed upon reception of the sample.



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