

THE BEST WAY TO SAY PACKAGING



Raffaello SERIES

Compact wrap-around cartoning machines

Made in Italy





- Raffaello
- Raffaello P&P
- Raffaello Multifila

POWERED BY



Atlanta[®]
PACKAGING TECHNOLOGY & MACHINERY



The versatile and compact wrap-around cartoning machine

Raffaello Series

The **Raffaello Series** is the range of **compact cartoning machines** particularly suited for production lines requiring a small machine with speed up to 15 cartons per minute.

The **wrap-around** cartoning machines of the **Raffaello Series** form the box around the product starting from a flat blank. This technological solution ensures **maximum stability** of the product within the carton and creates a very solid package.

The **Raffaello Series** is suitable to package, in a **carton** or on a **tray**, a broad variety of containers such as cans, bottles, bricks, trays, bags, cases, boxes and dispensers.

The accuracy in positioning small or large products makes the **Raffaello Series** the optimal choice to protect products with an environmentally friendly, resistant and easily stackable package.



...The machine

▶ Each moving part is protected to ensure the **safety of line operators**.

▶ Sliding safety guards allow the operator to have full view of the machine, the wide opening ensures **easy access during maintenance** and cleaning.

▶ Machine designed to operate over three shifts, with **low energy consumption and silently**.

▶ **Touch screen panel** with simple and intuitive interface: this allows the operator to quickly set all parameters and has a broad range of pre-sets.

▶ **Pick&Place module** available with different versions, including magnetic, suction cups and vanes.

▶ **Quick format changeover** pre-set that can be activated from the standard touch screen control panel.

▶ **Combined blank** and product **detection** with sensors and photocells.



Raffaello Multifila

... The benefits of the Raffaello Series

... Atlanta workflow

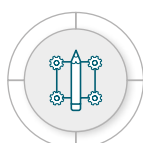
... Aftersales service



Versatile and resistant, requires little maintenance and keeps high quality performance over the years.



Safe: the machine architecture is designed to facilitate inspection and accelerate maintenance.



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



Multi-layer: precision Pick&Place unit to stack product on several layers.



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.

► **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.

► **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.

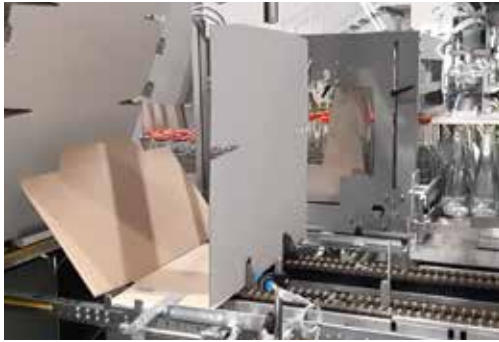
► **On-site assistance:** this service is provided by a team of multi-language travelling technicians with mechanical and software expertise.

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



One to four product layers in carton or tray

Raffaello Series



The blank is taken from the magazine by an arm with suction cups, in order not to damage it, and is prepared to receive products grouped by the movement unit. During the transport on the conveyor belt, the blank is folded around the product to form the complete box and closed with glue points.

... Designed to be versatile

The **Raffaello Series** comprises a range of alternated feeding cartoning machine with product infeed in-line, on side with crossover infeed conveyor or at 90° according to the characteristics of the line it operates in.

The **magazine** is lifted to facilitate refilling the blanks; the pick-up, positioning and folding system is suitable both for normal logistic packages and for expensive cartons with complex graphic finishing.

The **Raffaello P&P** model is fitted with a Pick&Place system to create packages that contain **up to 4 product layers**; the maximum number of layers depends on the height and design of the packaging.

Raffaello P&P can have a magnetic, suction cup or mechanical (vane) pick-up system, according to the type of products to be picked up.

RECOMMENDED FOR

... Stand-up boxes

... Cans

... Jars

... Tins

... Bottles

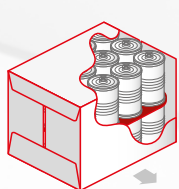
... Spray cans

... Tanks

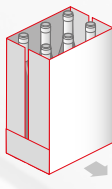
... Trays

... Dispensers

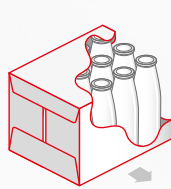
SOME EXAMPLES OF THE MOST USED FORMATS



4X3 x2



3X2



4X3

CASE HISTORY

Raffaello: strength and precision for heavy bags. The customer needed to have wrap-around packages composed by a maximum of 8 concrete bags.

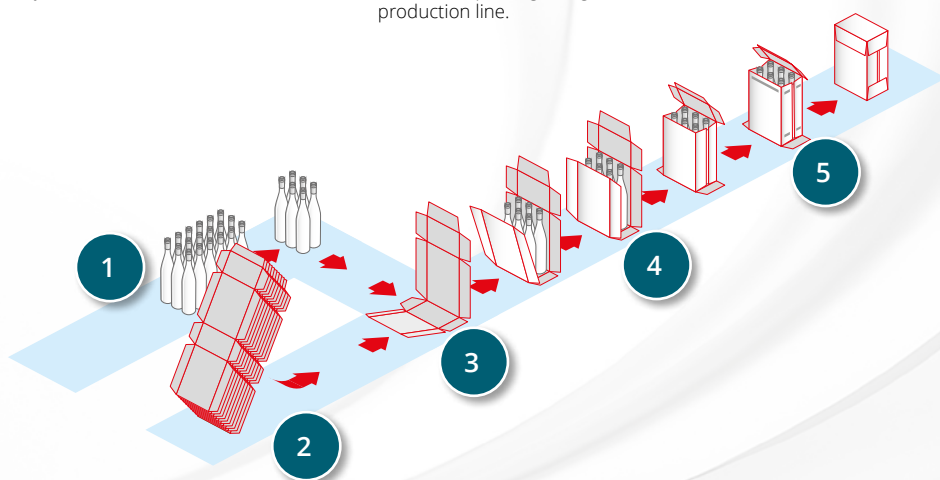
They chose to use a **Raffaello Multifila** because this packaging machine is designed to move heavy packages and due to the special module specifically design to carton bags, which perfectly closes the box even when the packaging has a peak that tends to remain lifted.



Atlanta. The best way to say packaging.

... Operating diagram

- 1 Loose products can arrive in-line (also through a crossover infeed conveyor) or at 90°.
- 2 The blank is taken from the magazine by a suction cup system.
- 3 The first fold prepares the blank to receive the group of products.
- 4 The box is formed around the product with consecutive folds, while passing along the production line.
- 5 Glued points are applied and the flap can be internal (standard) or external (optional).



For an environmentally friendly, compact and stackable package

Raffaello Series

Model	Raffaello	Raffaello P&P		Raffaello Multifila
PACKAGING				
Tray	✓	✓		✓
Wrap-around	✓	✓		✓
DIMENSIONS		90°	MULTIFILA	
Length (mm)	3,800	3,800	4,300	4,300
Width (mm)	3,500	3,500	2,200	2,200
Height (mm)	2,500	2,500	2,500	2,500
SPEED				
15 cartons/minute	✓	✓ (single layer)		✓
FEEDING				
In-line (4 channels)		✓		✓
90°	✓	optional		
Anti-jamming unit		✓		✓
SEPARATION				
Pusher	✓	If 90°		
Transfer unit		✓		✓
MAGAZINE				
Capacity	200	200		200
Possibility of extension (optional)	400	400		400

SPECIFICATION	
Production speed	up to 15 cartons/trays per minute
Blank thickness	2 to 5 mm
Upper flap closure	internal
Installed power	13 kW
Voltage	400V - 3-Phase/50Hz + N + G
Electrical protection	IP54
Compressed air consumption	400 NI at 6 bar
Operating temperature	min +5°C – max +40°C
Relative humidity	max 70%
Total weight	2,500 kg
Product presence check	feelers + photocells
Machine colour	■ RAL 7037

OPTIONAL	
Partial automatic format changeover	
Additional channels	
Inserter device unit	
Separating sheet inserter for multi-layer packages.	
Adjustable feeding guides with handwheels	
Manual or automatic centralized lubrication	
Motorized crossover infeed conveyor	
Photocells for product presence check after separation phase	
External upper flap closure	
Customized RAL colour	
Electrical panel air conditioning	
Interface with host computer for data transfer	
Teleservice - Remote support	



CASE HISTORY
Raffaello with customized tray infeed. The product infeed is designed to reduce the product channelling space with respect to the line of the customer.

The system accompanying the product on the blank is designed to ensure perfect movement of the trays even on overlapping layers.

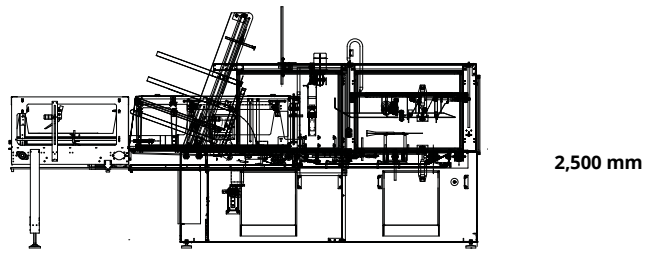
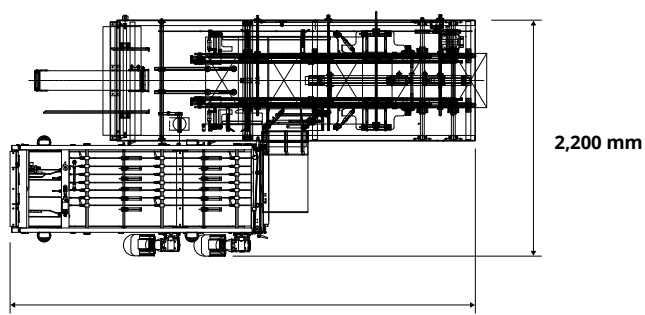
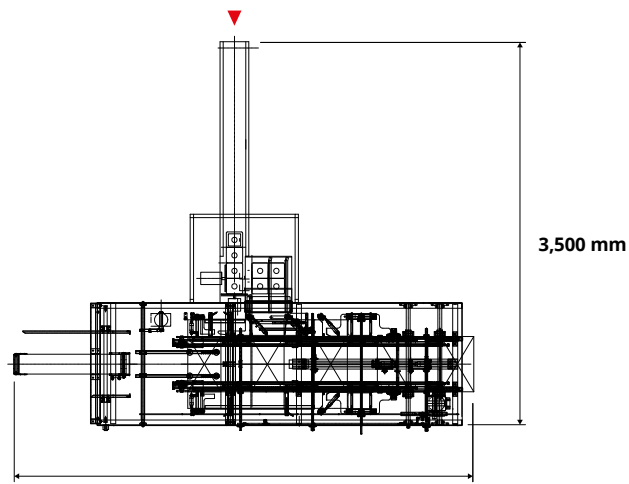


Pick&Place module with magnets.

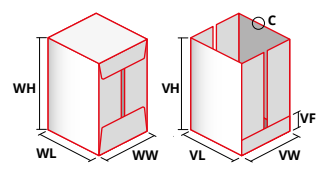


Raffaello
90° infeed

Raffaello Multifila



BLANK-TRAY DIMENSIONS



	Minimum	Maximum
WW	185 mm	500 mm
WL	100 mm	350 mm
WH	100 mm	320 mm
VW	185 mm	500 mm
VL	100 mm	350 mm
VH	100 mm	320 mm
VF	50 mm	135 mm
C	2 mm	5 mm

Data to be confirmed upon reception of the sample.

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.



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