



LEADER IN THE MANUFACTURING  
OF PACKAGING EQUIPMENT

# >> Packaging and Tissue systems



Made in Italy



**EXPRESSIVE DESIGN, SOPHISTICATED TECHNOLOGY,  
SOUGHT-AFTER PERFECTION, INNOVATIVE SYSTEMS,  
ELEGANCE AND PRACTICALITY MADE IN ITALY.**

**DM Pack specialises in the study and creation of complete systems for customised sealing and boxing based on the client's speed, versatility and space-related needs.**

Intuitive, efficient and fast, our machines merge and combine to form compact and versatile lines made to measure. Created and designed in an intuitive and revolutionary manner aimed at achieving two essential concepts, reliability and profit, obtained respectively thanks to:

- 1) use of high quality, ISO certified parts, the robust and solid structure and mechanics of the line, built to work 7 days a week and over 3 shifts per day at high speed;
- 2) simple design, to enable immediate access and easy and fast cleaning.

We focus on completely center level and accessible structures, practical from both sides with sliding or opening doors that make the machine unique in terms of operability. Rotating touch-screen positionable on various sides to allow the operator to work on one side and the opposite side (right/left). All the mechanics are on view such as the electric box, something that allows immediate diagnostics. Most of the movements are automated and can be saved to allow the operator to work on recipes.

The parts with which all the stations/machines are built composing a line are always the same, all the conveyors are the same, as are the bearings, the rollers (which are standard in stainless steel). The entire line has only two types of reducers and two types of motors to allow the client to keep a low cost spares kit.

The innovative systems used also enable savings in material and energy.



## >> Primary DM1 rolls line



DM1 rolls line	Diameter (Ø)		Product length		Speed of roll sealing/min.
	min. 80 mm	max 400 mm	min. 80 mm	max 1500 mm	
					20 / 40 / 60 / 80 / 100

## >> Multi-package DM2 rolls line



Multi-package DM2 rolls line	Diameter (Ø)		Product length		Speed of pack sealing/min.
	min. 80 mm	max 400 mm	min. 80 mm	infinite	
					15 / 25 / 35

Types of packaging film used: PE, PO, PP

## The solution for sealing and packaging of various types of rolls of paper



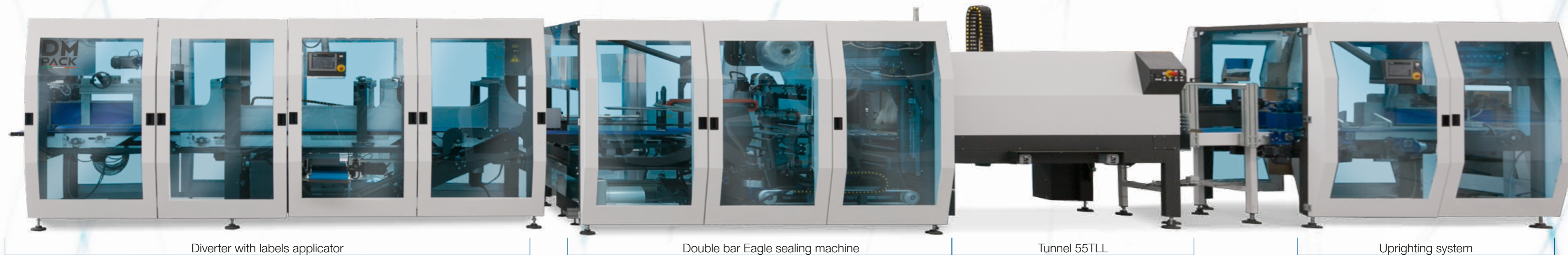
# Primary DM1 rolls line

## >> Sealing line for industrial rolls

The industrial rolls line presents a second block for single/double/triple roll sealing, with neutral or printed film, flat or mono-folding, with a side or overlapping sealing system. Based on the sealing speed, you can choose from those in our range (Intermittent / Box-Motion or Double Bar), as for the heat shrinkage tunnels (single or double chamber). In this first part of the line, the roll can also be overturned and then handled and sealed, in multi-pack. All the stations are modular.

>> Sealing speed 100 pc/minute

**HIGH  
SPEED  
SYSTEM**



# Diverter with labels applicator

➤➤ Diverter or Merger 2/1 or 1/2 or 1/3, to send the products on a single channel or multiple channels.



➤➤ Loading belt with diverter or merger and labelling machine without glue canter level extractable for fast and simple loading of the labels.

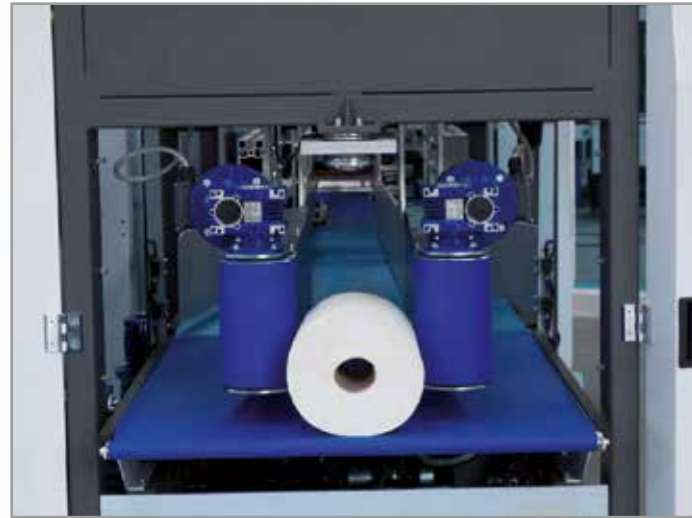
## ➤➤ Diverter with lung for high speed

Accessibility to the machine built with a canter level structure to enable immediate cleaning and maintenance, as well as instant diagnostics thanks to the electric box and mechanics on view. The label placing device built by DM PACK and assembled on canter level linear guides consent easy extraction for label block loading.

## ➤➤ Automated launch system



## ➤➤ Labelling system without glue



Diverter & Launcher to phase the products arriving and to create multiple packs with easy adjustments for simple format change. MERGER for products to transport on a single channel arriving from multiple paths or cutters from multiple channels.



Easily adjustable channels with knobs for multi-pack creation. Automatic version available with motor for immediate format change without manual adjustments, format change from touch-screen with recipe.



Labels applicator from underneath enabling automatic insertion of the table at high speed between the product and the film, with double automated gripper to guarantee label hold. The applicator is equipped with an automated belt with supports that ensure alignment of the product arriving from the belt above.



The labels applicator can be completed with an automatic loading system of the labels block or with a glue point.



Composed of automated side belts, for precise exchange of products and transport on channels.



Easily removable thanks to the construction assembled on sliding linear guides.

# Double bar Eagle sealing machine



**HIGH SPEED SYSTEM**

➤ High speed sealing machine available in different versions based on the speed. Double bar up to 100 products per minute, intermittent up to 35/40 products per minute, box-motion movement bar up to 60/70 products per minute.

➤➤ **Patented sealing machine with double bar**

Accessibility to the machine built with a canter level structure to enable immediate cleaning and maintenance, as well as instant diagnostics thanks to the electric box and mechanics on view. Enables use of neutral or printed film, flat or mono-folding, side sealing or with overlapping to save film. Available with various accessories based on the need to speed up format changes.

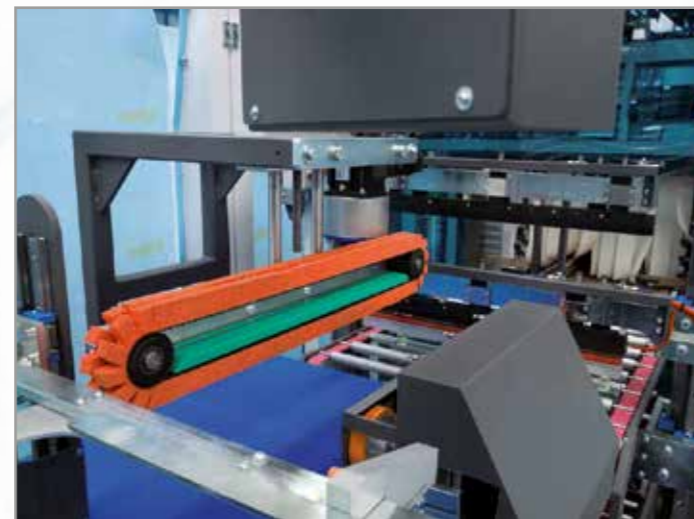
➤➤ **100 products/minute**



➤➤ **Designed to increase performance and to decrease mechanical force**



Sealing machine with double bar for high speed. Up to 100 products/min. The double bar ensures the speed and high performance without force for mechanical parts. Available in "lap seal"/top sealing version and overlapping.



Automated top belt: ensures stability and control at high speed as well as blocking the label and product.



Double sealing device. In the same machine, thanks to the forming tube, you can have: a side sealing system, with overlapping and lap-seal.



Rounded triangle: enables wrapping the product as a forming tube and saving on film.



Heavy mechanics to ensure reliability. Works 3 shifts per day, 7 days a week.



Removable reel holder, for fast reel change. Works with polyolefin and polyethylene film, mono-folding or flat (with external double or single mono-folding machine).

# Tunnel 55TLL



➤➤ Heat shrinkage tunnel for high performance.

➤➤ 100 packs per minute with only 12 kW consumption

Standard or opening for inner chamber control and cleaning. Compact design, heavy duty structure. Version available with single chamber, double or with multiple chambers based on the speed and the film. Can be used with all types of film.

➤➤ High energy savings

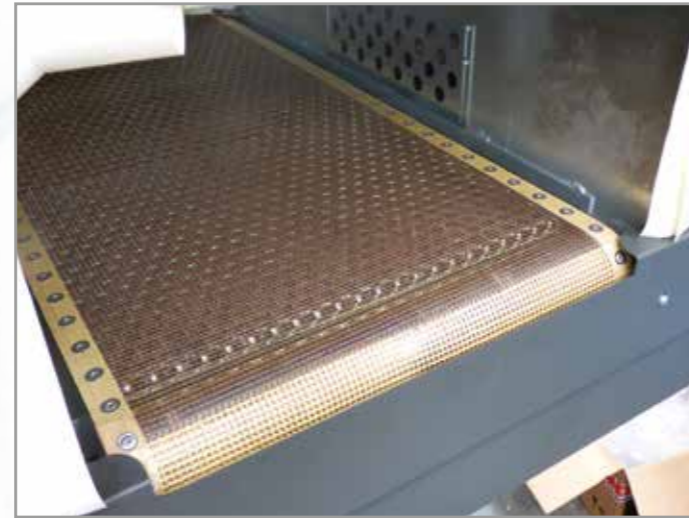


➤➤ Facilitated cleaning system





Standard or opening with dual buttons. Automated opening.



Teflon mesh belt, according to film type.



Standard heat shrinkage system with resistors or special with Leister. Perfect for printed film. Avoids deformation of film printing.



Air flow adjustment with inverter, independent (one per chamber).



Temperature adjustment with static relays.



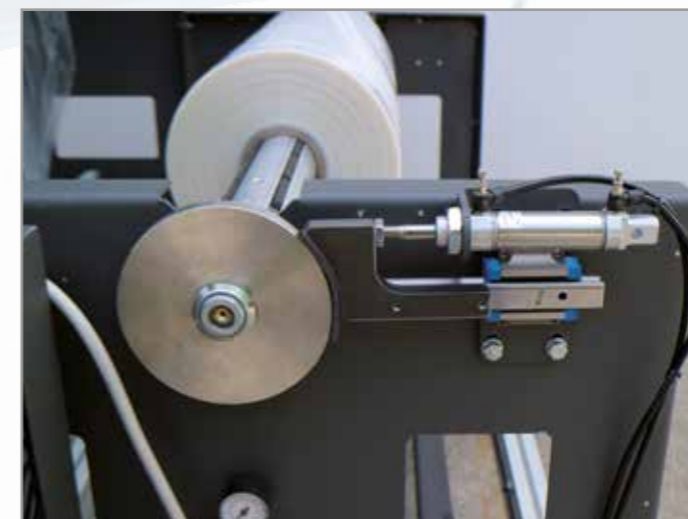
Conveyor belt with Teflon metal mesh or rollers, according to the size of the tunnel and the type of film.

# Reel automatic change system

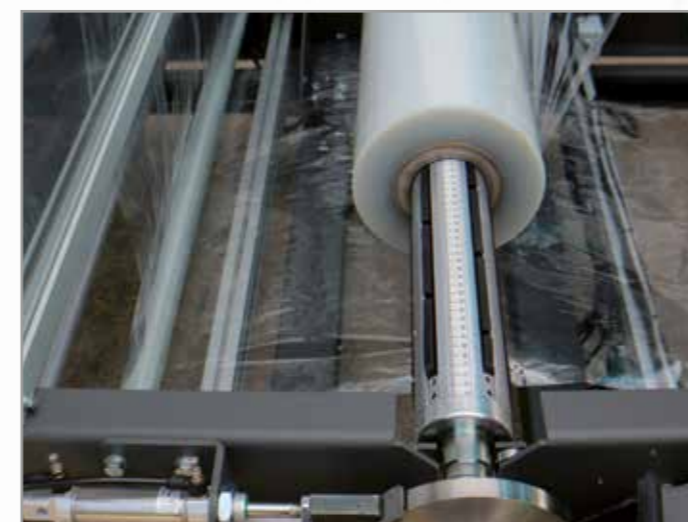
➤➤ External mono-folding machine with flat sheet film, excellent for applications with overlapping with side sealing and with printed film.  
Completely automatic version (flying splice) or semi-automatic version, to guarantee fast reel change.



## ➤➤ Fast reel change. Machine stops



Automatic version with fast reel change without stopping the machine and relevant product evacuation system with film joint.



Available in different reel measurements according to the width of the film to assemble. Perfect movement control of the film along the path.



External, single or double mono-folding machine, for fast reel change: semi-automatic with joining of one reel to another, thanks to the sealing bar activated manually or with a completely automatic version, without machine stoppage.

# Uprighting system



➤➤ Uprighting or product-rotation system. Enables 90° of a product in a vertical or horizontal position.

## ➤➤ Rotation with product prevention-proof system

Compact structure, accessible from both sides, with opening doors and sliding touch-screen. Fully automated or with handwheels for format adjustment.



➤➤ Speed 100 products/minute



Composed of automated side launching belts to safely send product into the heart of the machine.



Automated belts also outbound that block and ensure product stability on overturning.



Compact and modular. Independent station, integrated in the line.



Star rotation system with servo-brushless motor that enables control of the product position during all 90° rotations.



Possible width adjustment from both sides or with handwheel and metric system, or with automatic system with motor, can be saved and referenced from the touch-screen (recipe based).



Turns single or multiple products that safely travel between the belts and the automated support conveyor.

# BEL handle application machine



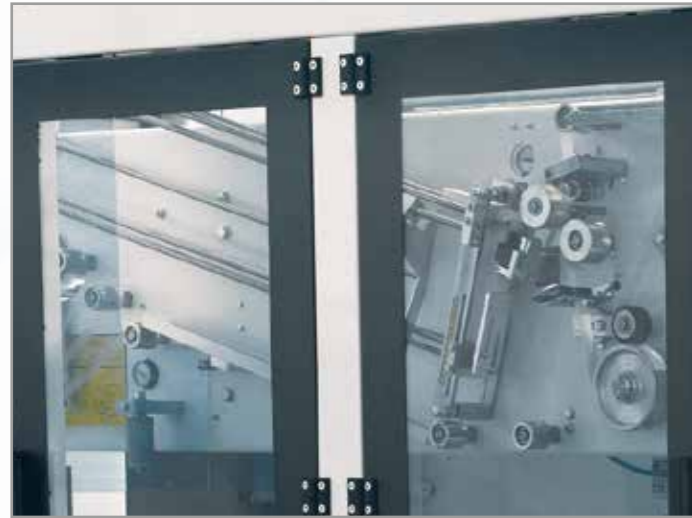
## >> High speed handle application machine

Accessibility to the machine built with a canter level structure to enable immediate cleaning and maintenance, as well as instant diagnostics thanks to the handle application machine and mechanics on view. The handle application machine built by DM PACK and assembled on canter level linear guides consents easy extraction for label block loading.

>> Speed 100 pc/minute



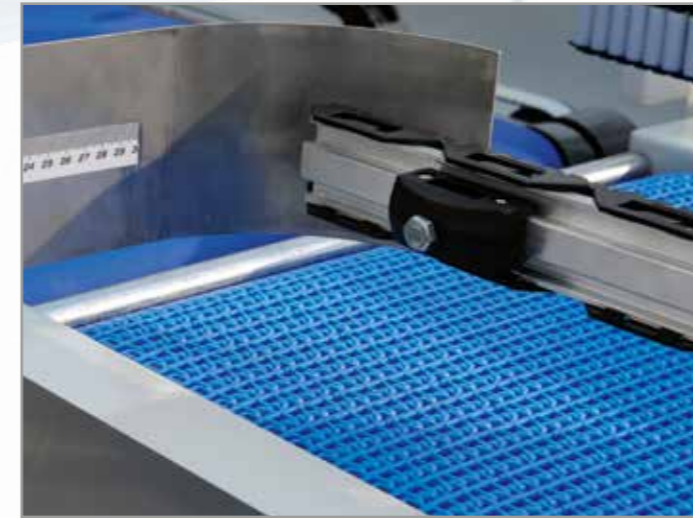
>> With dust-proof system for handle tape



Cardboard pre-cutting and cardboard storage system.



Double reel holder for cardboard reels.  
Optional: handles on reel.



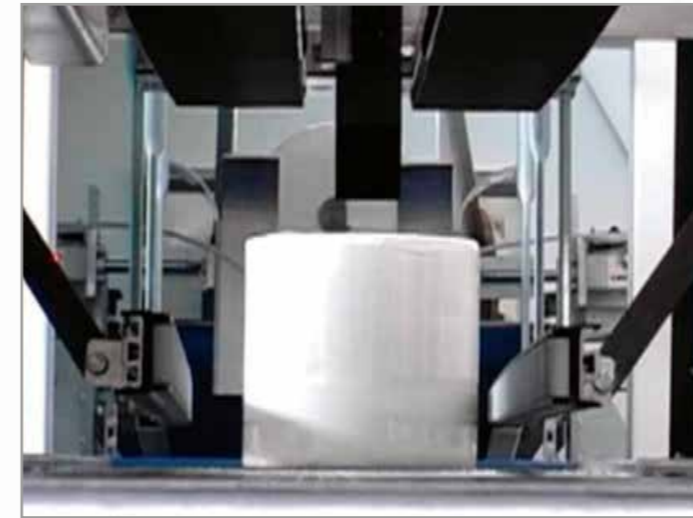
Intralox conveyor belt and handwheel for fast format change using metric rulers.



Double reel holder for adhesive tape.



Easily accessible with opening doors-window.



Up to 100 pc/min with fast format change.

# Multi-package DM2 rolls line

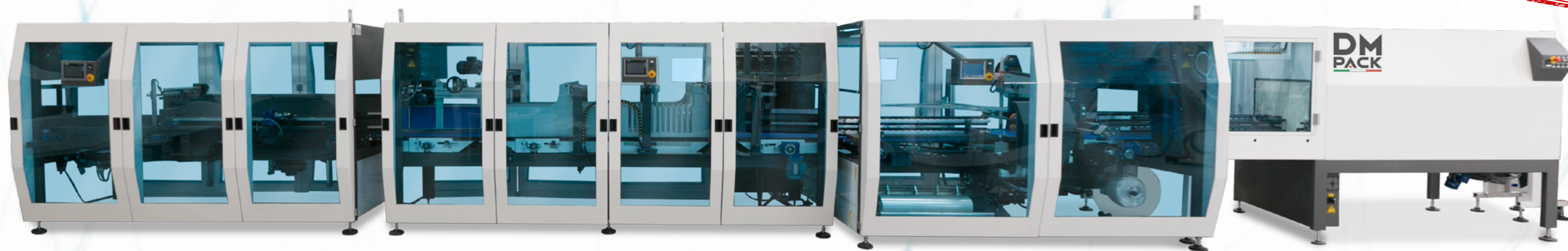


## >> Infinite modularity and composition of the machine

The multi-pack industrial rolls lines, which can be combined with the previous mono-pack line, enables stacking of toilet rolls, the creation of the multi-pack using the diverter, packaging with heat shrinkage film or not, with the standard bundler or sheet wrapping machine with side sealing system. All the stations are modular and composed of the same construction standards, the same design and components.

>> Speed 35 multi-pack/minute

**HIGH  
SPEED  
SYSTEM**



Stacker

Diverter for multi-pack with glue point side label applicator

Star Evo 800 sealing machine

Tunnel 75TL for multi-packs and large formats

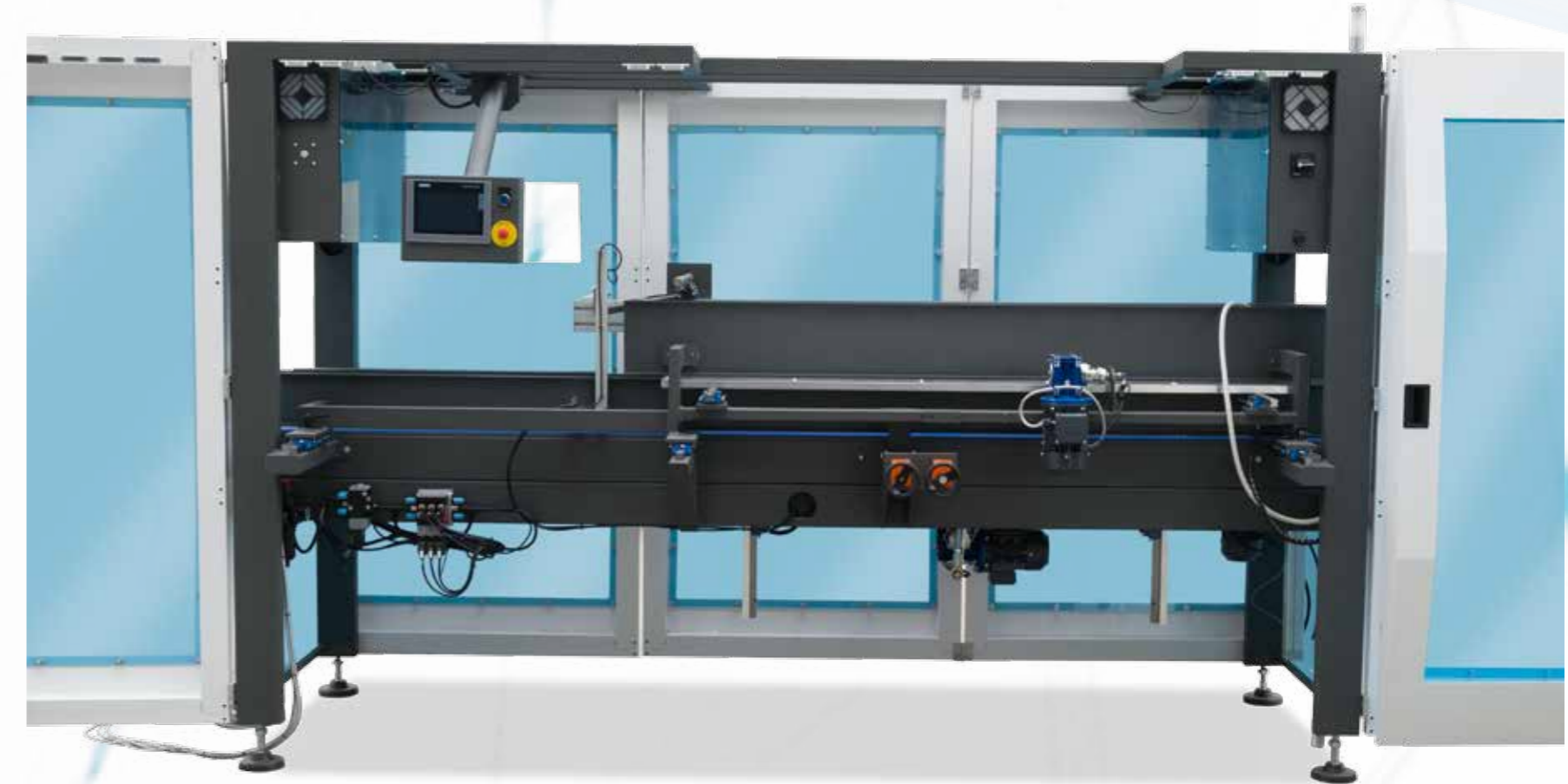
# Stacker

➤➤ High speed: 200 products/minute

The stacked products are held by a levelling system both to the sides and front.  
Standard stacker speed up to 140 products/minute.  
Available in versions up to 200 products/minute.

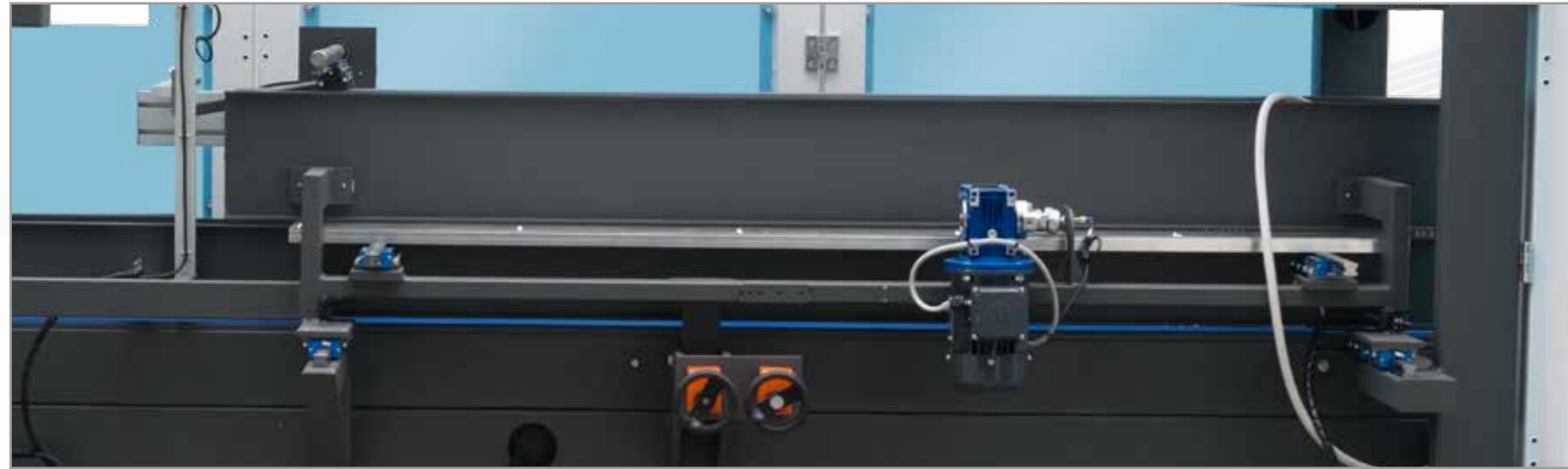


➤➤ System to stack the products at multiple levels: totally mechanical with lift and automated mechanical side palettes.



➤➤ Totally mechanical products stacking system

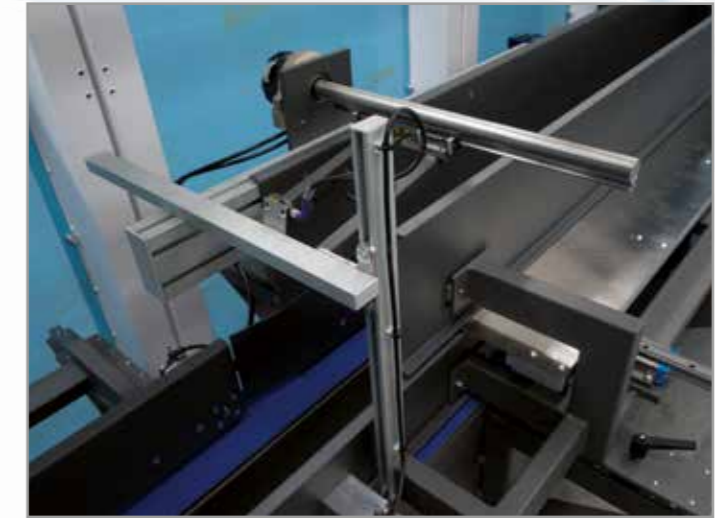




Possible lifting speed adjustment and possible adjustment of the closure speed of the pallets according to the weight of the product and its diameter.



Adjustments for format change, possibly with handwheel with metric rulers or with completely automatic system with motor. Positions can be saved on touch-screen.



Levelling system on both sides as well as front and back to obtain a compact and well-aligned multi-pack.



Latest generation touch-screen, can be rotated for machine operation on the right or left.



Possible adjustment from both sides.



Opening or sliding doors for easy access from both sides.

## Diverter for multi-pack with side label applicator



➤➤ Diverter, automatic system to create the multi-pack at high speed. Also available in versions at 90° with pusher.

## ➤➤ Diverter with automated launch system

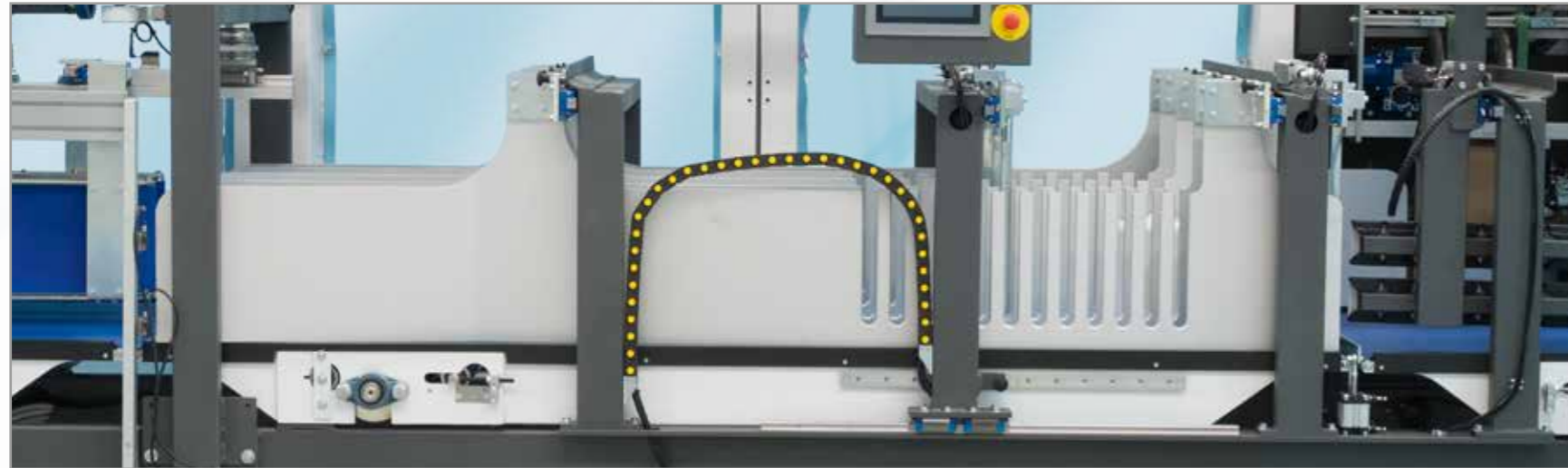
Enables label attachment with hot-melt glue thanks to a mechanical press that ensures its gluing, avoiding product crushing.



➤➤ Side label placement with hot-melt



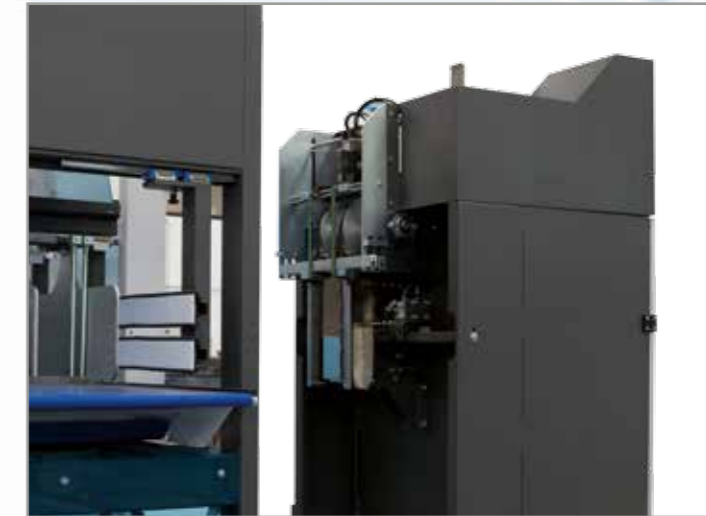
➤➤ Label automatic loading.



Easily adjustable channels with knobs for multi-pack creation. Automatic version available with motor for immediate format change without manual adjustments. Format change from touch-screen with recipe.



Composed of automated side belts for precise exchange of products and transport on channels.



Format automatic loading from gripper (double) unit to pick labels and position labels on the product/pack side with two gluing devices.



Diverter & launcher to phase the products arriving and to create multiple packs with easy adjustments for simple format change. Composed of automated side belts, for precise exchange of products on channels. Merger for products to transport on a single channel arriving from multiple paths or cutters from multiple channels.



Fast format changes, ensured by simple adjustment system. Completely automatic versions available.



Adjustable channels to adjust the different multi-packs and with infinite length. Standard up to 4 channels.

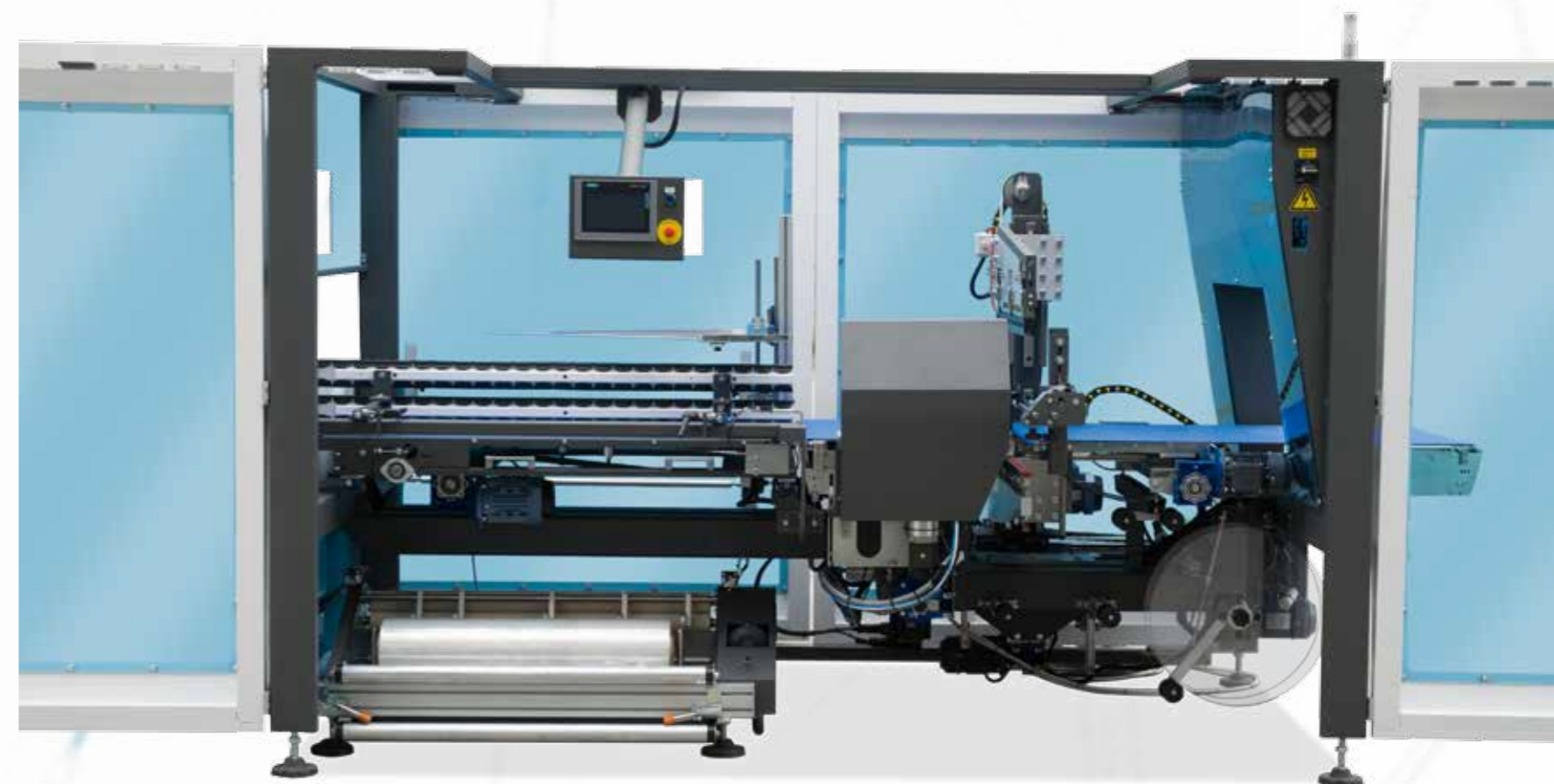
# Star Evo 800 multi-pack sealing

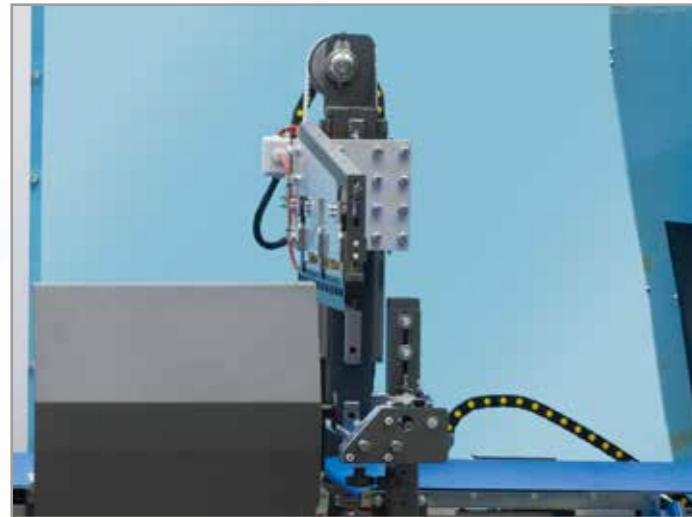
➤ Multi-pack sealing machine with intermittent side or box motion sealing according to the speeds requested.



## ➤➤ Sealing machine with 35 packs/minute speed

The flexibility of a 3 tape side sealing machine and the possibility of working with flat or multi-folding film, for tighter sealing and considerable end results.





Automated, canter level bar on linear guides for more sliding linear motion, strength, precision and duration.



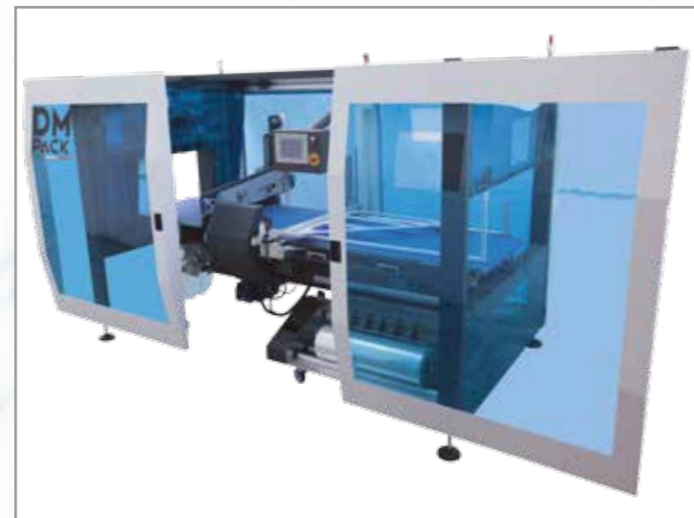
Removable reel holder, for fast reel change. Works with polyolefin and polyethylene film, mono-folding or flat (with external double or single mono-folding machine).



With side, intermittent or box-motion sealing, according to the speed.



Available with double side mechanical blowers to enable re-folding of the multi-pack film.



Excellent operator accessibility, with sliding doors or opening from both sides. Innovative design.



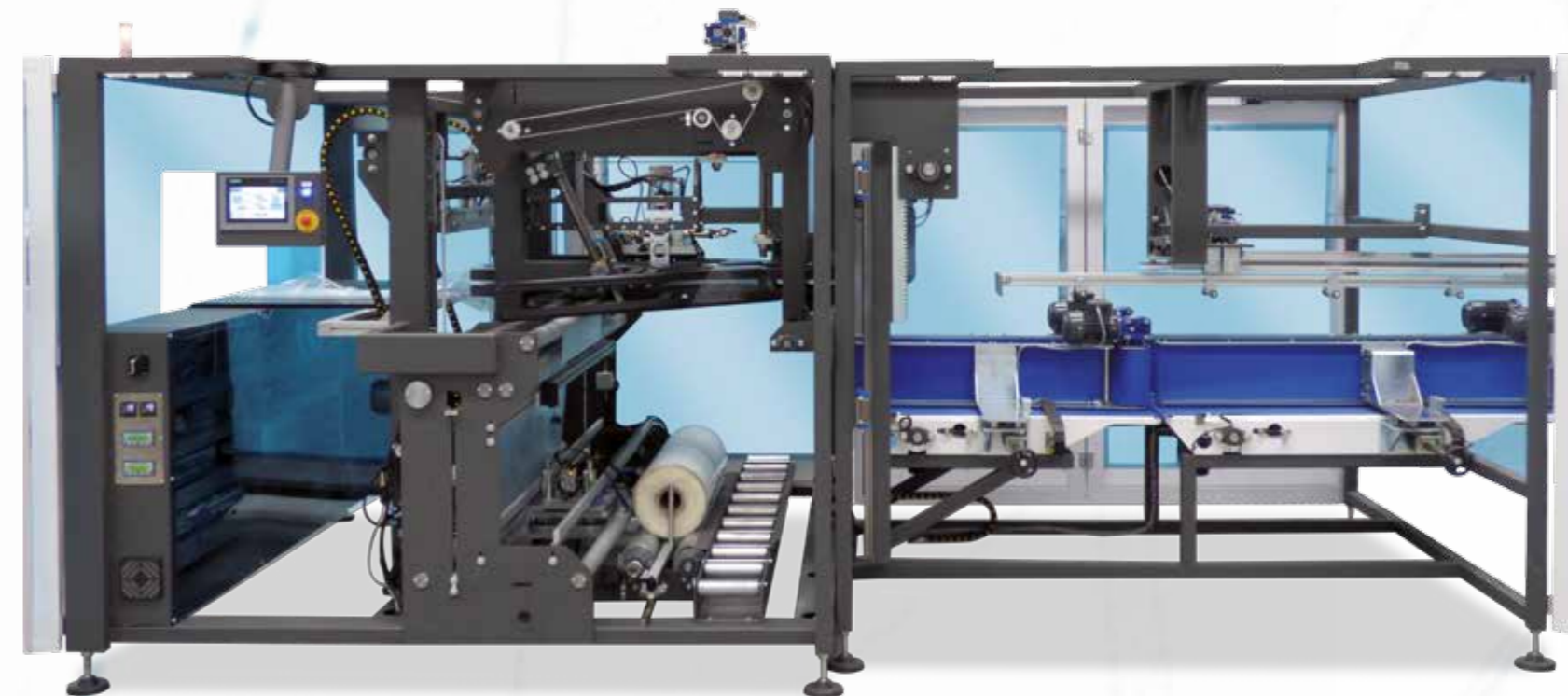
Mechanics and electric box on view for immediate diagnostics.

# Argon Bundler Bagging Machine

- ARGON bagging machine for multi-pack with overlapping. Manageable from touch-screen to enable any operator to change format in an immediate and simple manner. Completely mechanical, it can be equipped with various stacking and grouping systems. Loading and creation of multi-packs made to measure adapted to various types of products.



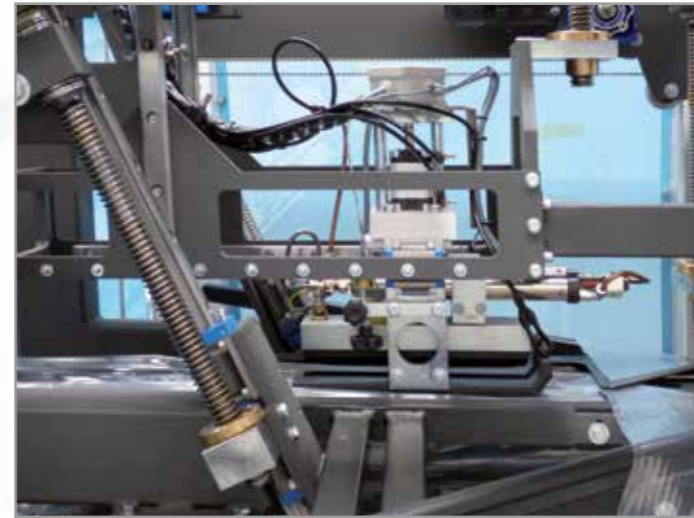
- Tie system packaging at speed of 25 multi-pack/minute



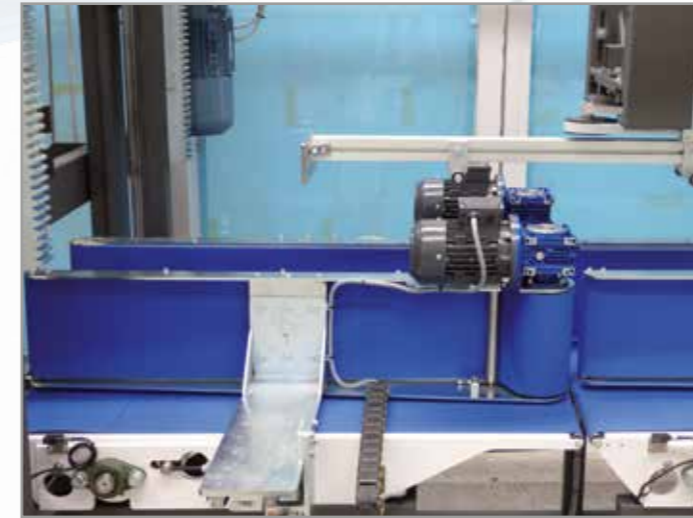
- Compact sealing without heat shrinkage



Compact layout made to measure based on the type of product and the client's needs.



Automatically adjustable forming tunnel. Format can be saved and programmed. Change format with recipe.



Mechanical pusher with speed control for better performance.



Canter level and accessible from both sides. Reel holder with trolley for easy loading.



Movements commanded and controlled by servo-motor, to ensure precision, reliability and minimum maintenance. Format change without using tools.



Robustness and efficiency in an innovative, canter level design, accessible by the operator with mechanics and electric box on view.

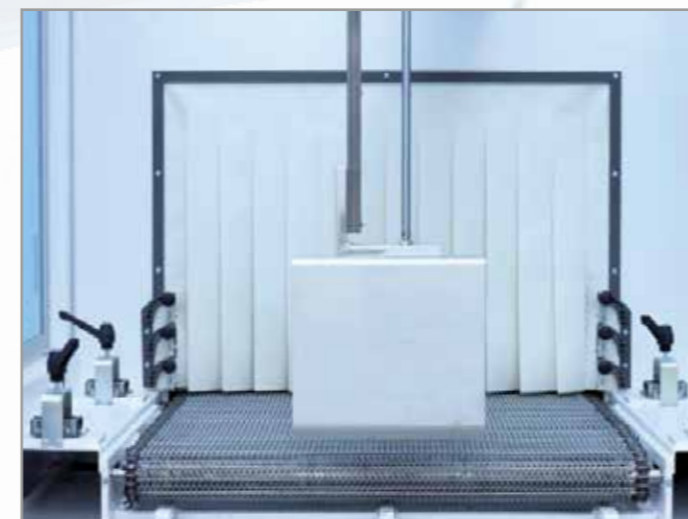
# Tunnel 75TLL

➤➤ Tunnel for multi-packs and large formats equipped with a straightener to align the products before heat shrinkage.



➤➤ Heat shrinkage with just 30 kW

➤➤ Sealing speed 35 packs/minute



Straightener for multi-pack alignment.



Multiple chambers with air diffusion control under inverter.

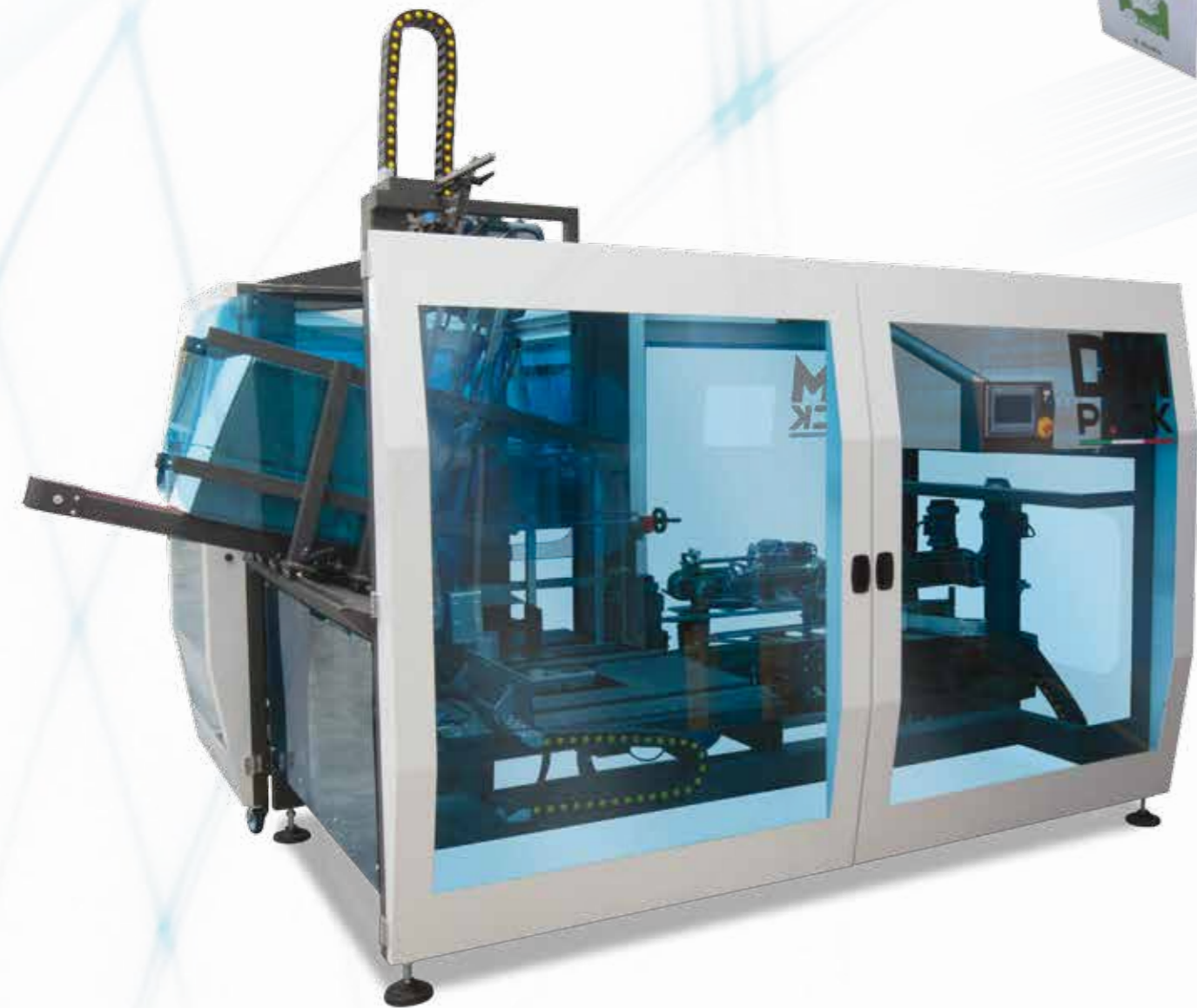


Externally adjustable side flaps also with operative tunnel for higher performance.

➤➤ Equipped with packs alignment system



# GEOS automatic boxing machine



**HIGH  
SPEED  
SYSTEM**

➤➤ Automatic boxing machines for American boxes built with the same philosophy of the machines composing the sealing line: accessibility, compactness, simple use, heavy duty canter level structure.

➤➤ Sealing speed 15 boxes/minute



➤➤ Totally mechanised machine



New ergonomic design. All the parts of the machine are easily accessible thanks to the innovative, slide-opening doors. The supply module can be easily separated from the boxing machine for format change.



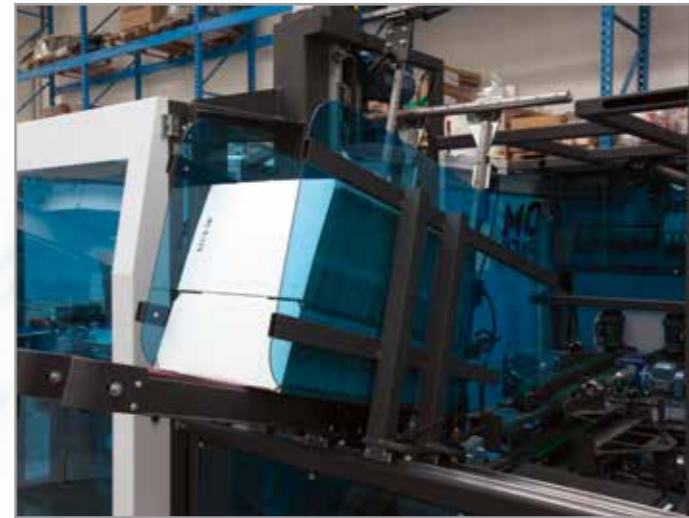
Feeder belt with various types of automatic loading, based on the product.



Automatic box closure with adhesive tape or hot glue. Automated side guides. Automatic adjustment.



Machine managed by Siemens PLC and intuitive touch-screen. Auto-adjusting format change.



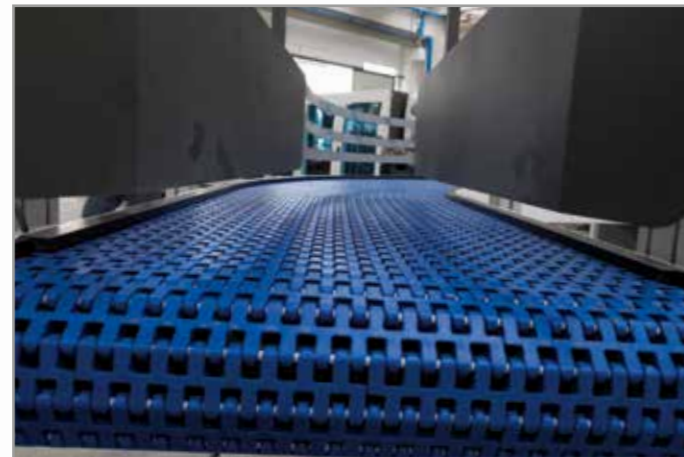
Automatic box opening system and system for automatic product insertion.



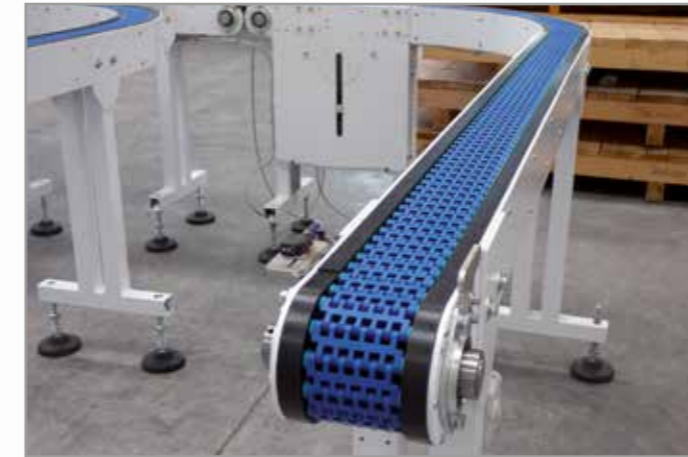
Double operator position thanks to rotating touch-screen.

# Conveyor belts

➤➤ Automatic conveyor belts connecting our machines to the machines upstream and downstream and joining the various line stations to build lines according to client spaces and requirements. Each conveyor belt is designed and built for safe and delicate movement of products along the entire line. Each conveyor is equipped with a reducer with a motor and inverter. The speed can be modified using the touch-screen command panel. Each conveyor belt is equipped with adjustable side guides with panels. The structure of the conveyor belts enables perfect cleaning.



➤➤ Infinite connection modularity between the machines

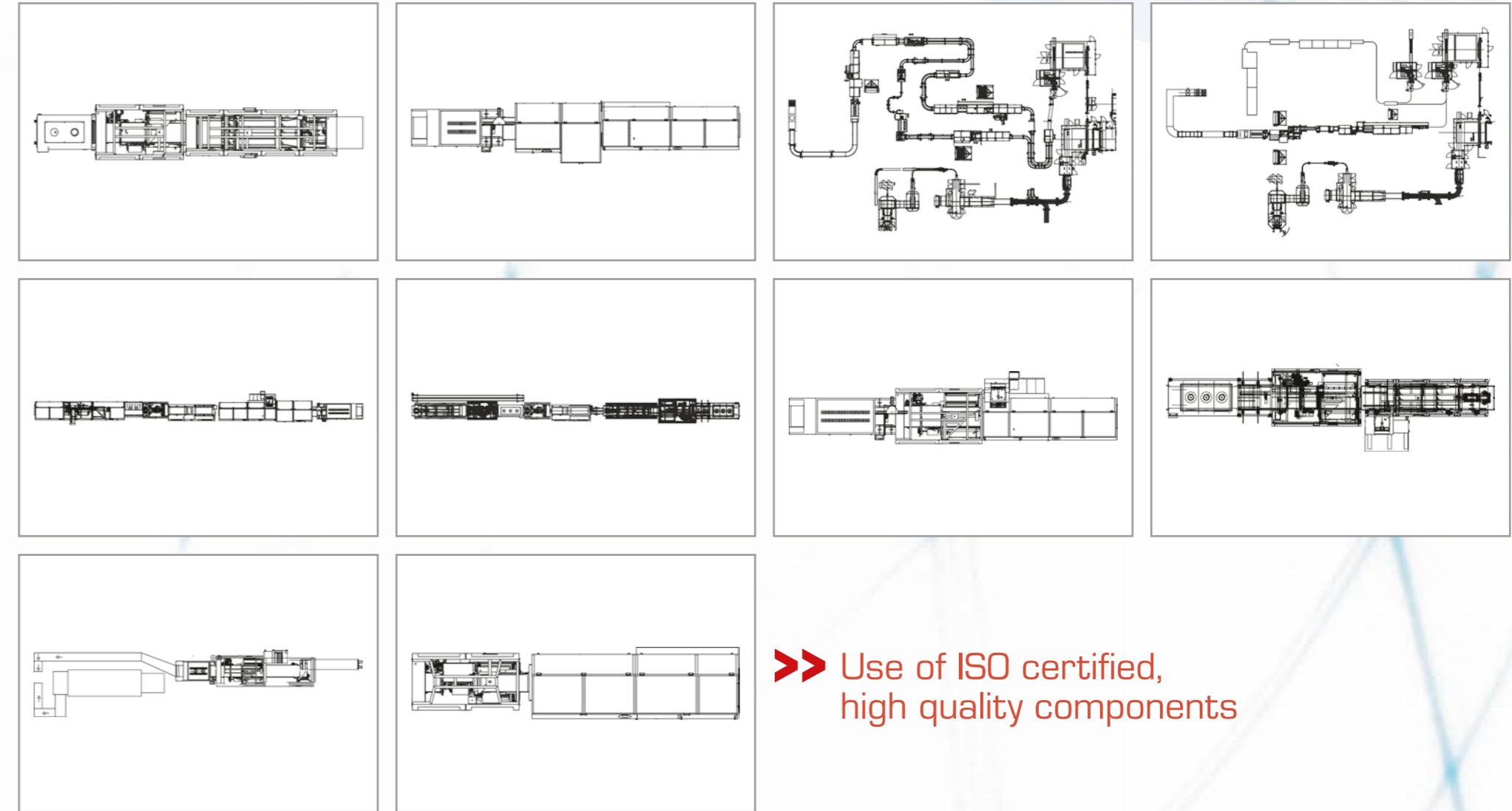
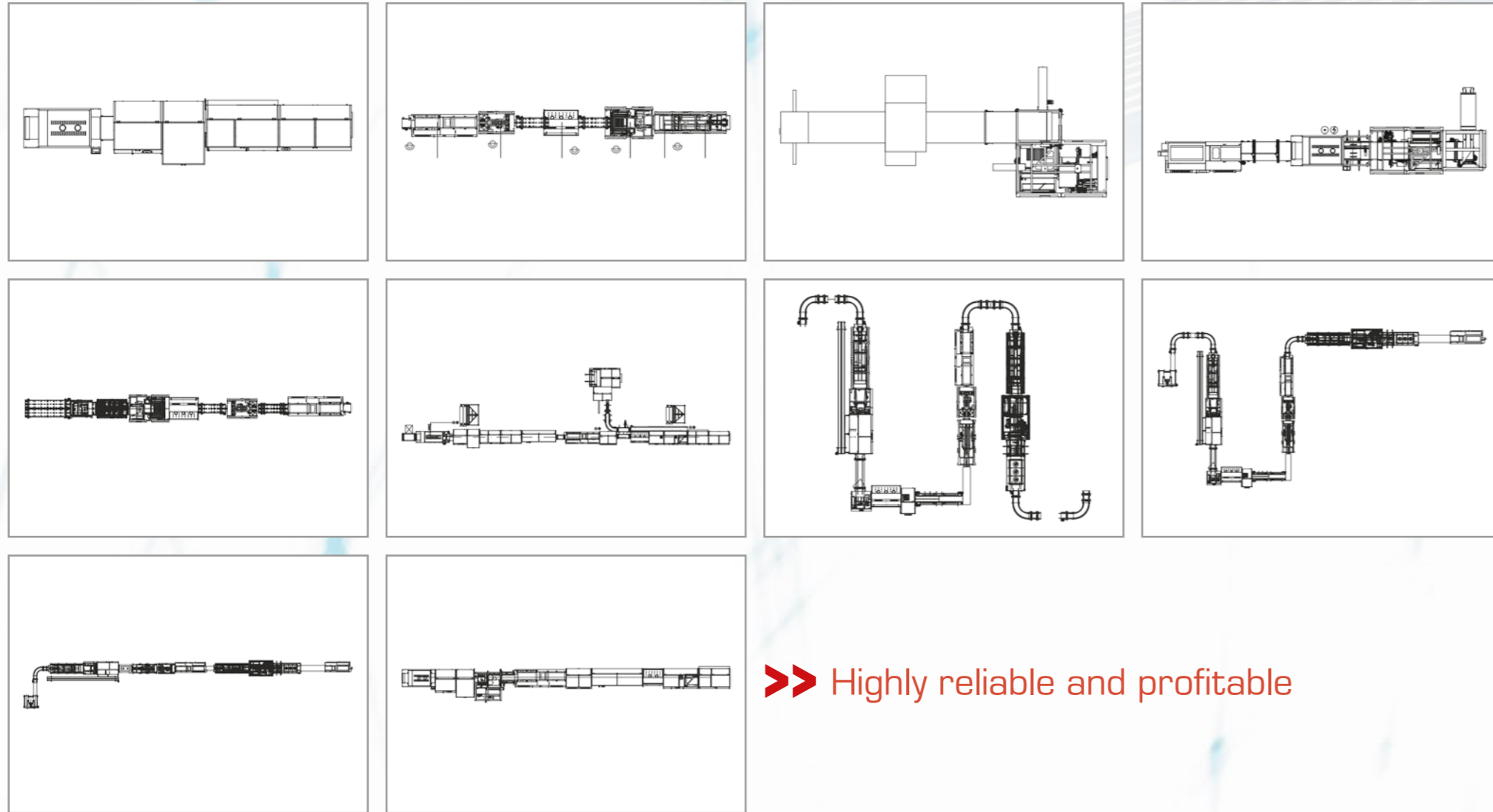


➤➤ The central guide ensures stability and robustness of the belt which can assemble different types of materials: Intralox, cloth, sponge and mesh according to the product that must be transported.

➤➤ Modular belts for any layout

# Examples of layout, compositions and systems

➤➤ The solution to create complete systems for customised sealing and boxing





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