

Flexa

PIERI 

Automatic wrapping machines
and handling systems

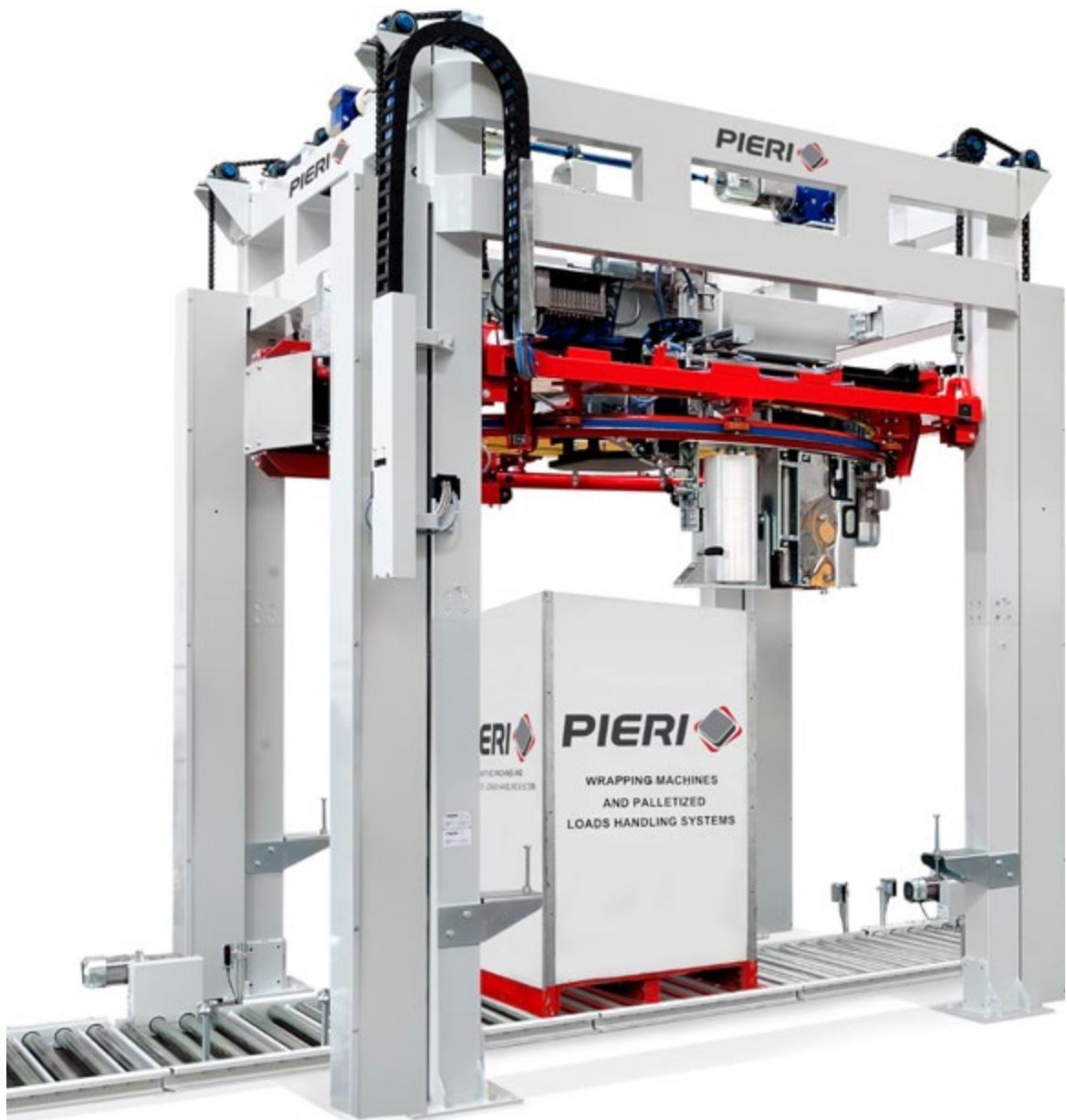
400Flexa

This automatic ring wrapping machine represents the perfect solution for high speed applications. 400 Flexa is the top of the range of PIERI ring wrapping machines, thanks to its high performance combined with great flexibility.

Exclusivity The advantage of 400 Flexa is the exclusive tuck-in device for threading the film tail in the final phase, ecoMATRIX, standard equipped. ecoMATRIX avoids unwanted film tails and provides the perfect solution for automatic warehouses, even for spaces with the lowest temperature, dust or high humidity level.

Flexibility The 15 wrapping programs guarantee a perfect adaptability for different kinds of load: particularly unstable products, deformable or large sizes.

Quality 400 Flexa is equipped with a reel carriage which allows high pre-stretching percentages. The perfect wrapping quality is guaranteed by a tachometer generator integrated with the carriage. The shape and the content of the products are kept intact by controlling and adjusting dynamically the force exerted by the film on the load.



The new automatic ring wrapping machine Flexa GO summarizes 40 years of experience and presence in the market. With its perfect balance between flexibility, productivity and quality, Flexa GO is our answer to customers that cannot do without the necessities of compactness, versatility and efficiency.

Compactness The particular design and a very compact frame make it perfect for installations even in limited spaces.

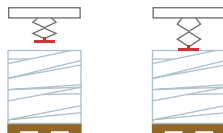
Versatility Thanks to its rotating ring technology and the new cut/welding unit embedded in the mobile frame, the beginning and the end of a wrapping cycle can be set at any height along the load.

Flexa GO can wrap pallets with dimensions starting from 400x400 mm to a maximum of 1200x1200 mm. In addition it can work with conveyor lines with a height from 80 mm to 1000 mm.

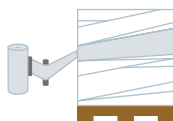
Efficiency Flexa GO has been designed adopting new technical solutions: all the movements of the ring are guided thanks to belts driven by motors and controlled by an inverter. This solution allow us to reduce maintenance costs and minimize the operating noise. The electronic pre-stretch device is variable up to 450% and guarantees a perfect stability and containment of every palletized load. The optimization of film consumption permits cost savings application.



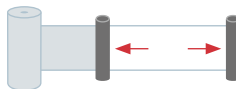
Accessories



Multi-level variable containment force



Pre-stretch multi-level

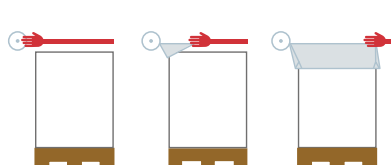


Top press plate This device allows for stabilization during the wrapping cycle, essential for unstable loads.

Electronic pre-stretch carriage

Electronic reel holder carriage with variable pre-stretching (minimum 120%, maximum 450%). Composed of two motors separately controlled via inverter, it is possible to set the pre-stretching percentage and the force exerted by the film on the product with an electrical panel, for a significant reduction in film consumption.

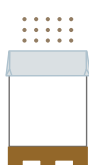
Top sheet cover Allows to cover the load with the polyethylene film, providing the load with waterproof or dustproof protection. Available with integrated dispenser (TS) or in line dispenser (STF 203).



Water-proof



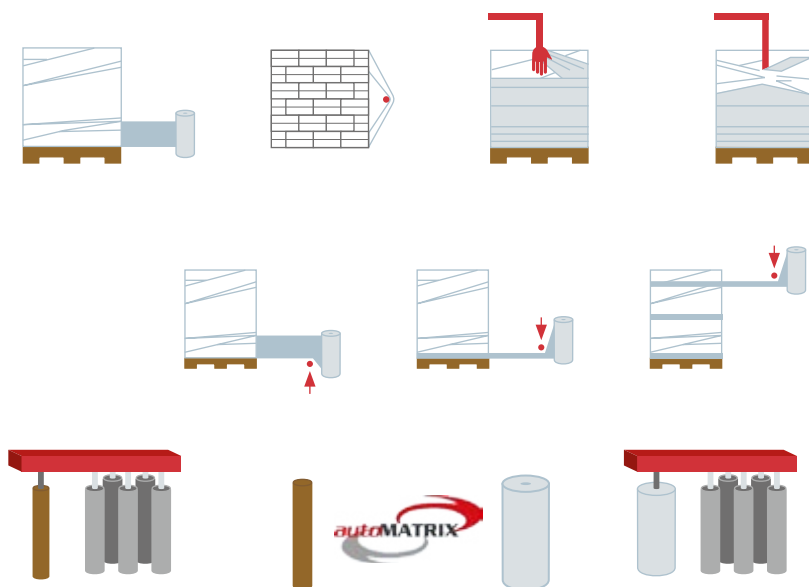
Dust-proof



ecoMATRIX Represents a new concept of “end of wrapping cycle”, by avoiding unwanted film tails. It consists of clamp, cut and tuck in unit for threading the stretch film tail inside the final spiral of wrap phase. The easiness in operating it for the client is given by absence of maintenance and adjustment.

Roping system Allows to narrow the film until a rope is created, securing the product at the top of the pallet.

autoMATRIX Increases the independence of the line, and provides for automatic reel changing. The operator simply changes the empty reels of film in the warehouse, without interruption and in total safety.

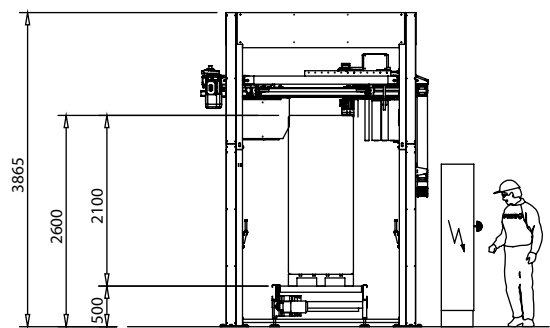
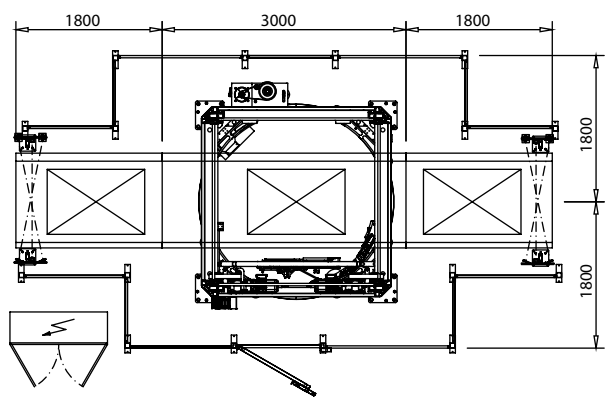


ecoMATRIX
autoMATRIX

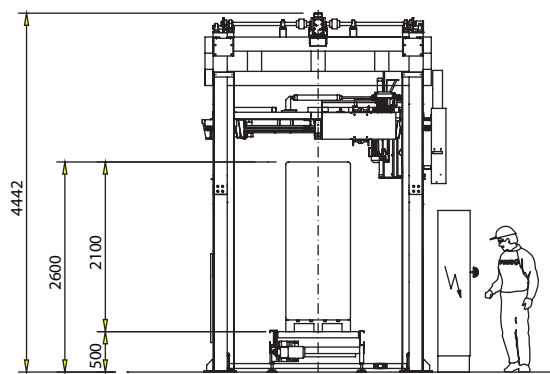
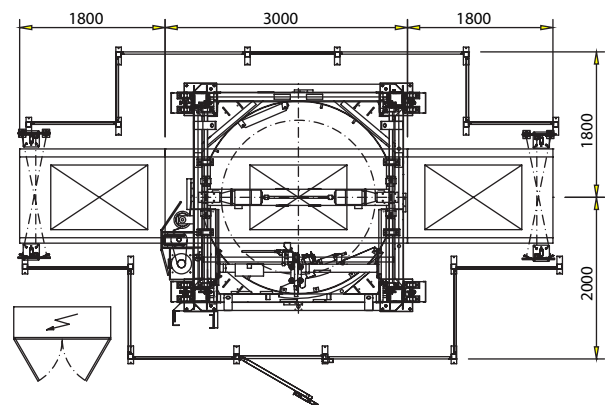
ecoMATRIX and autoMATRIX are technologies and trademarks registered and owned by Pieri s.r.l.

Dimensions

FlexaGo



400Flexa



Technical data

Standard functional features	Flexa Go	Flexa Go TS	Flexa 400	Flexa 400 TS
Productivity:				
Std cycle	up to 70 p/h	up to 70 p/h	up to 90 p/h	up to 90 p/h
Water-proof cycle (top sheet cover integrated)		up to 50 p/h		up to 75 p/h
Rotation speed	up to 45 rpm	up to 45 rpm	up to 50 rpm	up to 50 rpm
Pallet dimensions				
Min (LxW)	400 mm x 400 mm	400 mm x 400 mm	800 mm x 600 mm	800 mm x 600 mm
Max (LxW)	1200 mm x 1200 mm	1200 mm x 1200 mm	1000 mm x 1200 mm	800 mm x 1200 mm
Min H	500 mm	500 mm	500 mm	500 mm
Max H	2100 mm	2100 mm	2100 mm	2100 mm
Reel Carriage				
Pre-stretch ratio	120% - 160%	120% - 160%	120% - 160%	120% - 160%
Electronic pre-stretch ratio	120% - 450%	120% - 450%	n.d.	n.d.
Film tail device				
Cut/welding	Std	Std	n.d.	n.d.
ecoMATRIX (tail tucking device)	Opt	Opt	Std	Std
Stretch film specs				
Film reel internal Ø	76 mm	76 mm	76 mm	76 mm
Film reel external Ø	280 mm	280 mm	250 mm	250 mm
Film reel height	500 mm	500 mm	500 mm	500 mm
Thickness workable	10-30 µm	10-30 µm	10-30 µm	10-30 µm
Weight	17 Kg	17 Kg	17 Kg	17 Kg
Top cover stretch film specs				
Film reel internal Ø		76 mm		76 mm
Film reel external Ø		300 mm		300 mm
Film reel height		1700 mm		1700 mm
Thickness suggested		50-90 µm		50-90 µm
Weight		60 Kg		60 Kg

* Different model sizes from standard ones are available.

Services

Pieri provides its clients with a wide range of services before and after-sales. In every phase of the project Pieri is a versatile and reliable partner that interacts with its clients providing its best technical and commercial support. The after-sales department follows directly every phase of the installation and commissioning of the machines, it is involved in supplying spare parts, takes care of the requests for update and suggests implementations and upgrades. Optimising the performances of a new system supplied by Pieri also depends on the training of the operators. Pieri offers training sessions to the operators specifically designed to optimize the functionality and performance of a new plant. The simplicity of the

functioning of the Pieri system and the completeness of the documentation supplied, ensure a perfect integration with the operating procedure of every client. The after-sales department offers to its clients the guarantee of being supported for quick and swift resolutions whenever required. Pieri also proposes various formulas of maintenance (based on contract or single intervention) for the system supplied. At the end of the maintenance service, Pieri presents a detailed report on the mechanic devices, electrical and electronics components which represents for the client a valuable aid in regards to the planning of eventual future modifications or replacements.

Story

Pieri represents one of the most renowned companies in the packaging market and in particular in the design and production of wrapping and conveying solutions for palletised loads. Founded in 1973 by Sauro Pieri and currently led by his daughter Danica, the company was created to meet the primary need of logistics to protect goods from damage during the handling and the freight

transport. The technical evolution of Pieri projects went from semi-automatic wrapping machines to the present fully automatic systems and integrated turnkey installations. The more than 40 years relationship with its clients constitutes a contribution in terms of experience and quality that has allowed the company to increase the know-how and passion for their work.



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