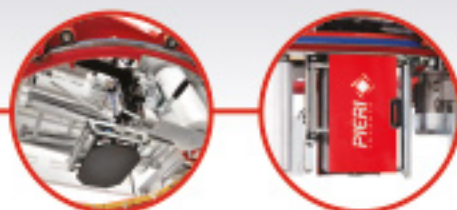


PIERI 

Automatic wrapping machines
and handling systems

AUTOMATIC RING WRAPPING MACHINES

▶ AVR 400 FLEXA



The **AVR 400 FLEXA** is PIERI's high performance ring machine with great flexibility. The rotating ring technology and the clamp unit built into the mobile frame allow starting and ending the wrapping cycle at any height of the load. The mighty framework and the special design concept are the answer to high-speed applications up to 100 p/h. **AVR 400 FLEXA** is standard equipped with **ecoMATRIX**, the patented tuck-in device for threading the film tail inside the last wrap. The pre-stretch carriage system with film tension control and their 15 customized programs guarantee perfect stability. As option, the electronic pre-stretch carriage permits to the operator to set the pre-stretch percentage up to 350% and minimize the film consumption.

ecoMATRIX is the tuck-in clamp unit that avoids film tail: the perfect solution for automatic warehouse, LGV/AGV or perforated film applications.



▶ FLEXA GO



The **FLEXA GO** is PIERI's new ring wrapping machine. **FLEXA GO** is the answer to our customers' need in terms of compactness, versatility and efficiency. Compactness means a solid mainframe and a renewed design able to meet the limited space requests. Versatility means **FLEXA GO** meets a wide range of pallet dimensions from 400x400 mm to 1200x1200 mm. Efficiency is the response to quality and high productivity. **FLEXA GO** is standard equipped with the electronic pre-stretch carriage mod. PEM-Duo (pre-stretching up to 450%) and the cutting and sealing clamp unit mod. PZCB2. The operator can set-up different parameters on the control panel HMI to regulate the pre-stretching for each wrapping cycle, to control the force released on the product and to customize wrapping programs. The patented tuck-in device for threading the film tail **ecoMATRIX** is also available as optional.

AUTOMATIC ARM WRAPPING MACHINES

▶ SILVER TWIN



The **SILVER TWIN** is PIERI double arm wrapping machine, the highest performing machine in terms of speed. The double arm is the ideal solution for intense productivity up to 130 p/h. The high efficiency of the machine and the reliable structure provide high productivity. As standard equipment, the double motorized pre-stretch carriages mod. MS-Pro and the double cutting and sealing clamp units mod. PZCB2. In order to prevent the contact with the products, this sealing device acts against a hidden contrast bar. The motorized pre-stretch carriage (up to 250%) or the electronic pre-stretch carriage mod. PEM-Duo (up to 450%) permit to minimize the film consumption. The pre-stretch carriage system together with 7 customized programs guarantee perfect stability to the loads.

▶ SILVER AGILE - SILVER GO - SILVER FAST



SILVER AGILE, **SILVER GO** and **SILVER FAST** are PIERI single arm wrapping machines. The machine's design is customizable for different customers' requests: pallet dimensions and different pallet heights. In terms of productivity, **SILVER AGILE** (up to 40 p/h) is the entry model of this range, **SILVER GO** (up to 60 p/h) and **SILVER FAST** (up to 80 p/h) can reach higher productivity. All these models are equipped with motorized pre-stretch carriage with fixed ratio (mod. MS-Pro) and cutting and sealing clamp unit. Available on request, the electronic pre-stretch carriage (mod. PEM-Duo) with variable pre-stretching rate up to 450% easily controlled by control panel HMI. ecoMATRIX is also available as optional.

▶ SILVER GO TS - SILVER FAST TS



SILVER GO TS and **SILVER FAST TS** are PIERI's arm wrapping machines with integrated top sheet cover device. The integrated top sheet dispenser **TS** allows the automatic positioning of polyethylene sheet over the top of the palletized loads for the waterproof and dustproof protection. For each wrapping program, the operator can set from the control panel HMI, the amount of film to lay down over the top of the loads. The **TS** can be installed inside or outside the machine frame.

SPECIAL AUTOMATIC ARM WRAPPING MACHINE

▶ SILVER GO CAD - SILVER FAST CAD



SILVER GO CAD and **SILVER FAST CAD** are PIERI's arm wrapping machines with Cardboard corners Applicator Device. The automatic device **CAD** permits the protection of the four angles of the product and it allows the application of the cardboard corners through a vacuum system installed on the four mechanical arms. The **CAD** device, composed by 8 corner warehouses, can manage different corner dimensions.

SEMI-AUTOMATIC WRAPPING MACHINE

▶ SILVER WAVE



SILVER WAVE is PIERI's semi-automatic arm machine. **SILVER WAVE** is a stand-alone system and it represents the suggested solution with unstable loads. The loading will be inside the machine with the forklift or pallet truck. The operator will start the automatic wrapping cycle with a remote control. As standard equipment, the motorized pre-stretch carriage with fixed ratio (the pre-stretching is up to 200%). As optional, the cutting and sealing clamp unit that allows the automatic ending of the wrapping cycle.

AUTOMATIC TURNTABLE WRAPPING MACHINES

▶ EASY ROUND



The PIERI's turntable wrapping machine **EASY ROUND** is a plug-and-play machine because it is composed of a rotating turntable (rollers or chains) and an integrated electric panel for a quick installation. Able to reach up to 30 p/h and up to 2000 Kg of load, **EASY ROUND** is the ideal wrapping machine for customers with reduced footprint. PIERI's turntable machine is standard equipped with motorized pre-stretch carriage mod. MS-Pro and cutting and sealing clamp unit mod. PZCB2. Available on request, the electronic pre-stretch carriage (up to 450%) and the ecoMATRIX: the patented tuck-in device for threading the film tail inside the last wrap. Due to the different wrapping system of **EASY ROUND** it is possible to provide a different configuration of the machine to allow the loading or the unloading not in line but at 90°.

▶ EASY ROUND TS



EASY ROUND is also available with integrated top sheet cover device to permit the waterproof cycle. The integrated top sheet dispenser **TS** allows the automatic positioning of polyethylene sheet over the top of the palletized loads. The turntable machine will stop, during the normal cycle, in the right position to allow the integrated top sheet cover device to lay down the polyethylene film over the top of the palletized loads. The cutting of the top cover film is done by a cold blade system. For each wrapping programs, the operator can set from the control panel HMI, the amount of film to lay down over the top of the loads. In order to arrange the dustproof protection of the loads, the top sheet cover device **STF 203** is available on request and it will be positioned inline at the infeed conveyor.

HANDLING AND CONVEYING SYSTEMS

PIERI represents one of the most renowned companies in the packaging market. Our focus is to design and to produce end-line solution for palletized loads. The more than 40 years relationship with our clients constitutes a contribution in terms of experience and quality that has allowed us to increase the know-how and passion for our work. PIERI's turnkey solution is able to satisfy a wide range of different customers' need and request. Additionally, PIERI provides integrated solution for existing lines and complete solution for new projects.

▶ ROLLER CONVEYORS - CHAIN CONVEYORS



PIERI designs and manufactures motorized roller and chain conveyors. PIERI's **ROLLER CONVEYORS/CHAIN CONVEYORS** are customizable on customers' request. Roller conveyors are available in different dimensions, with different diameter, pitch and width. Chain conveyors can be made of 2 to 5 strands of chains. On request, PIERI can offer roller conveyors/chain conveyors from floor level up to 1000 mm. Its galvanized steel profile frame and its height-adjustable galvanized feet ensure stability and robustness.

▶ TURNTABLE STATION - ROLLER/CHAIN EXCHANGER



The **TURNTABLE STATION** and **ROLLER/CHAIN EXCHANGER** enable the palletized loads to change direction. The turntable station consists of a roller conveyors or chain conveyors able to rotate on its axis allowing the 90° exit of the palletized loads without changing the feed front side. While, the roller/chain exchanger combines the characteristics of roller and chain conveyors in the same position allowing the 90° exit of the palletized loads with changing the feed front side.

▶ EMPTY PALLET DISPENSER



The **EMPTY PALLET DISPENSER** satisfies on one side the requirement of depositing empty pallets and on the other feeding pallets for the production line. The operator will deposit empty pallets in the warehouse and the automatic device, equipped with conveyors, will dispense the pallets to the production line. The capacity of the system is up to 15 pallets.

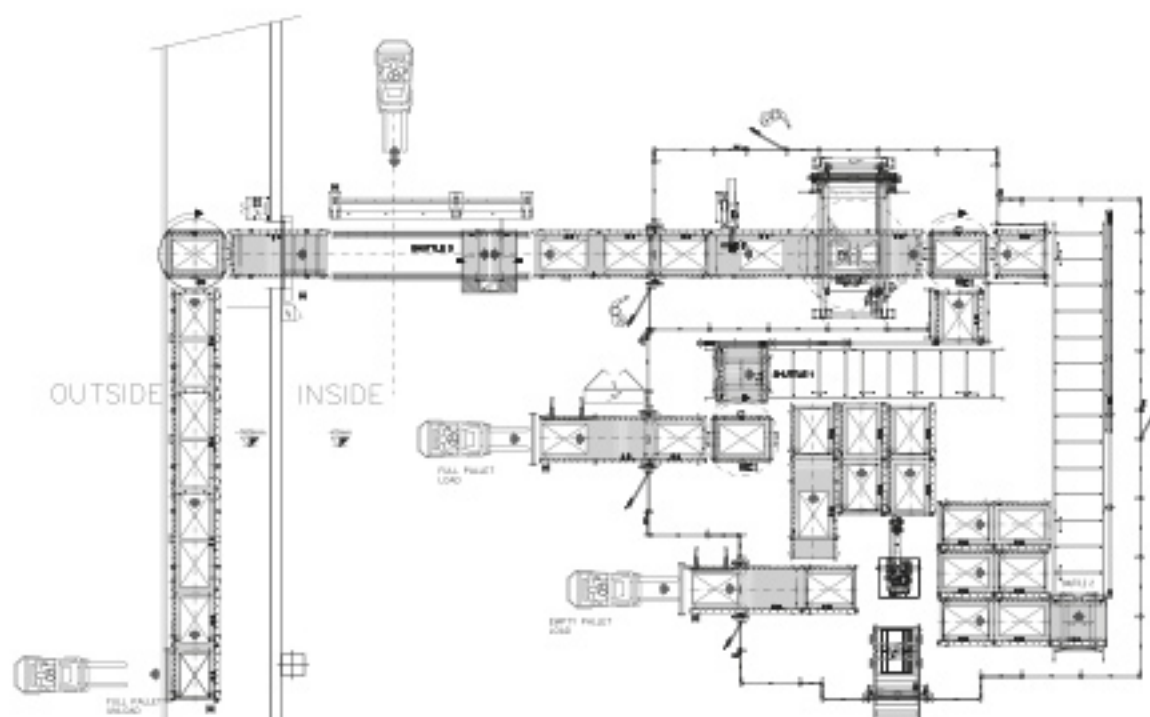
▶ SHUTTLE

The **SHUTTLE** is the PIERI's automatic conveying system for the translation of the pallets. This type of conveying system is a roller conveyor on wheel conveyor running on rails that allows the translation of the palletized loads. This system will be insert in a protective fences and light barriers area.

AUTOMATIC LINES

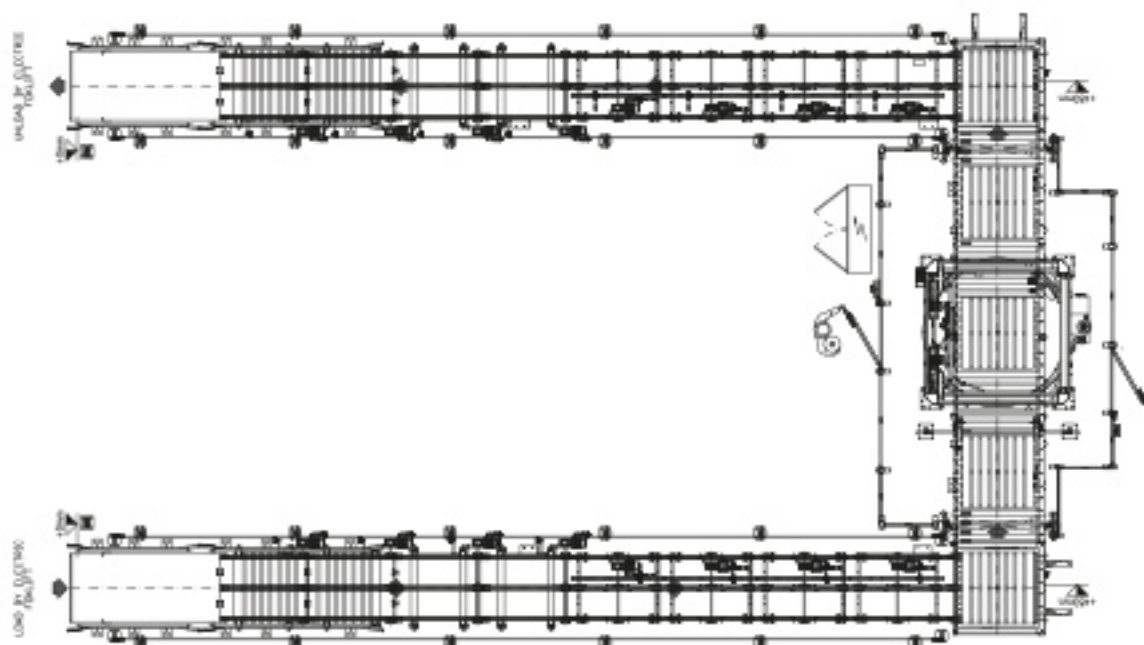
▶ END OF LINE SOLUTION

PIERI solution with handling system composed by empty pallet dispenser, shuttles, roller conveyors, turntable stations, automatic arm wrapping machine with integrated top sheet dispenser mod. **SILVER FAST TS**, protective fences and light barriers.



▶ STAND-ALONE SOLUTION

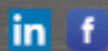
PIERI solution with handling system composed by 3 chains conveyors from height 80 mm to 450 mm, roller/chain exchanger, roller conveyors, automatic ring wrapping machine mod. **FLEXA GO**, protective fences and light barriers.





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