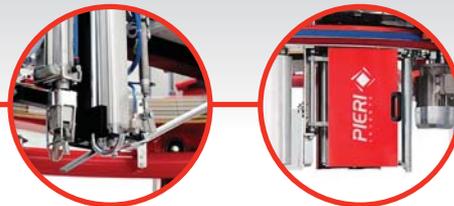


PIERI 

Automatic wrapping machines
and handling systems

AUTOMATIC ROTARY RING STRETCH WRAPPER

▶ AVR 400 FLEXA



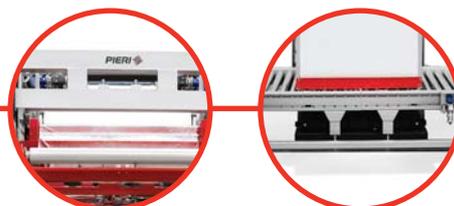
The AVR 400 FLEXA combines high performance with great flexibility. Thanks to the rotating ring technology and the clamp unit built into the mobile frame, the start and the end of the wrapping cycle can be set at any height along the load, making AVR 400 FLEXA suitable for any product sector. The structural sturdiness and the special design concept make it perfect for high speed applications up to 100 p/h. The machine is fitted with an easy to load power pre-stretch film carriage: here the film tension is controlled by a dynamo ensuring the proper release of film on the load. The pre-stretch system up to 240% capability together with 15 standard wrapping programs allow a steady and secure containment of any palletized load, while minimizing film utilisation. AVR 400 FLEXA is standard equipped with **EcoMATRIX**: the patented tuck-in device for threading the film tail inside the last wrap. This clamp, cut and tuck unit avoids unwanted film tails providing a perfect solution with automatic warehouses, pallet profile control with LGV/AGV or perforated film applications.

ecoMATRIX

is standard equipment on the ring machine and available on all PIERI automatic product range.



▶ AVR 400 FLEXA TS



AVR 400 FLEXA is available also with integrated top sheet dispenser TS for dust/water proof covering of palletized loads.

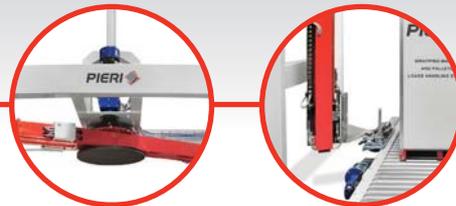
The top sheet cover device integrated onto the machine allows automatic positioning of the polyethylene sheet over the load during the wrapping cycle. The film amount to lay down on the load can be set for each wrapping program optimizing film consumption.

This machine, as all PIERI wrappers, modular and versatile in design, allows for numerous innovative options to help solve specific stretch packaging challenges.

Some of the options available both with AVR 400 FLEXA and AVR 400 FLEXA TS are i.e.: the pneumatic pallet lifter in the service conveyor to wrap fast completely the wooden pallet; the scissor electro-mechanic top press plate for stabilizing the product on the pallet, specially with unstable loads, during the wrapping operation, and many more.

AUTOMATIC ROTARY ARM STRETCH WRAPPER

▶ SILVER TWIN



Expression of PIERI's high speed productivity, SILVER TWIN is able to reach excellent performance (up 140 p/h) maintaining a steady and balanced structure. Its design concept of wrapping is performed on a static pallet with double head pre-stretch system and double clamp cut & seal device. The new pre-stretch carriage MS-Pro D with improved ergonomics has a fixed ratio up to 250% pre-stretch. Pre-stretching film drastically reduces the cost of consumables with significant costs saving. The end of the wrapping cycle occurs through the clamp, cut and weld device (PZCB2). This unit cuts and welds extensible film through a sequence of electro-pneumatic movements and low temperature resistances. The welder never comes into contact with the product, since it acts against a hidden contrast bar. This system ensures a perfect seal even with irregular loads. Otherwise, the tuck-in device **EcoMATRIX** is also available on all wrappers' range.

▶ SILVER AGILE/GO/FAST



The range of the rotary arm wrapper is characterized by several models able to meet different customer's output requirement. The arm rotation is obtained by a pinion-toothed thrust bearing system frequency controlled. The entry model SILVER AGILE offers an interesting capacity up 40 pallet per hour together with great versatility. SILVER GO has been designed for applications of medium speed wrapping up 60 p/h, relying on a solid steel structural frame. Finally, SILVER FAST is the wrapper model created for high speed output up to 80 p/h. All these models are equipped with the ergonomic pre-stretch carriage MS-Pro with fixed ratio up to 250% pre-stretch. Available on request, the double motor pre-stretch carriage PEM-Duo allows adjustable pre-stretch percentages up to 500% easily from control panel also during each wrapping operation. This ensures optimum film utilisation and load containment. Different lay-on force control can be set according to different products, especially useful where the product is crushable. On the control panel the operator can manage all machine parameters and check the film consumption thanks to a film counter.

▶ SILVER GO/FAST TS



The rotary arm wrapper range is available also with integrated top sheet dispenser (TS) for around wrapping and dust/splash proof covering of palletized loads. The top sheet cover device integrated onto the machine allows automatic positioning of the polyethylene sheet over the load during the wrapping cycle. The film amount to lay down on the load can be set for each wrapping program optimising film consumption. The TS can be inside or outside the machine frame. If outside the reel substitution is much easier for operators. Otherwise, the dustproof protection can be also guaranteed with STF 203 inline top sheet dispenser: the unit is supplied with its own support structure so it can be easily installed on wrapping lines. With the STF 203 the top sheet on the load is applied as this moves forward on the in-feed conveyor.

AUTOMATIC TURNTABLE STRETCH WRAPPER

▶ EASY ROUND - EASY ROUND HD



The turntable wrapping machine EASY ROUND has been designed in order to offer customers a compact and functional solution for the end-of-the-line.

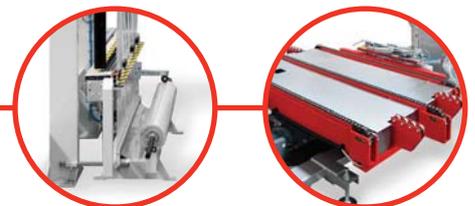
Responding to a plug-and-play concept, Easy Round allows a quick, easy and safe installation almost maintenance free.

The plate rotation takes motion from a system composed of a slewing ring bearing with a frequency controlled gear motor. This helps to reduce maintenance operating costs. Furthermore, the Plexiglas layer under the rollers protects the rotation gearwheel and make maintenance inspections much easier. Thanks to its construction, EASY ROUND is able to wrap also most part of the wooden pallet without using a lifter. By particularly unstable products, it is possible to keep fix the load while wrapping with the top press plate.

The load integrity and stability for the shipment can be further improved with the fixed roping device: the roping system creates a thick film cord for steadily fixing the load to the upper part of wooden pallet as a single homogenous unit.

Able to reach up 30 p/h and up 2000 kg payload, EASY ROUND is the ideal wrapper for well protected loads for the low throughput handling.

▶ EASY ROUND TS



EASY ROUND is also available with integrated top sheet dispenser TS for protecting the top of the load with polyethylene film.

The film is prepared during the normal wrapping cycle so that the machine stop time to place the top cover is reduced to a minimum. Film cutting is carried out cold by means of a pneumatically powered blade. The film amount to be deposited on the load can be set for each wrapping program optimising the film consumption.

The film reel load of the top sheet cover is carried out on the ground inside the perimeter protections and the machine frame to assist reel replacement operations.

Both in EASY ROUND and EASY ROUND TS the platform rotation speed, acceleration and deceleration are frequency controlled so that the turntable stops aligned with the in-feed and out-feed conveyors, assuring the correct pallet positioning.

The turntable can be manufactured on request with chain.

SEMI-AUTOMATIC WRAPPING MACHINES

▶ SILVER WAVE

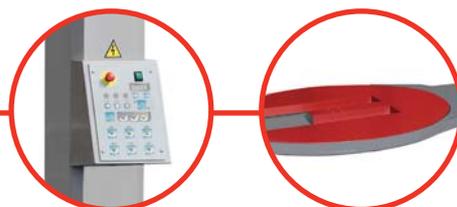


SILVER WAVE represents the solution to achieve the best performance around particularly unstable loads with highly advanced components. With a steady structure and a compact size it is equipped with an user-friendly control panel.

Thanks to the rotating arm technology the palletized load is stationary during the stretch wrapping process. Therefore SILVER WAVE allows a safe, highly effective way of wrapping very light, tall, heavy or unstable loads whatever the type of product is.

Pieri has designed this wrapping machine with the aim to offer to its customer a semi-automatic arm wrapping machine for the “stand-alone” system, including on request all features of an automatic model. The motorized Power Pre Stretch System (optional) with film tension control guarantees always the right film consumption and load containment. On request the machine can be also equipped with the clamp, cut and welding device. Both the PS system and the clamp, cut and seal unite allow this wrapper great performance similar to a fully automatic model.

▶ EASY WAVE



The semi-automatic turn table machine EASY WAVE is designed as flexible and practical solution for customers looking for a compact and simple wrapper to secure pallet loads quickly and efficiently. From the entry level model, alternative solution to hand wrapping, to the best performing model, Easy Wave is the versatile semiautomatic wrapper aimed at efficiency with low investment.

Several models with different technical features and options are available on request: i.e. turntable diameter from 1500 mm up to 2000 mm, column height up to 3000 mm, power pre-stretch film carriage up to 300% for film saving and a top press plate for unstable pallets. The operator can easily be able to manage the wrapping parameters thanks to the user-friendly control panel.

Forklift portable design for pallet feeding by manual pallet pump available on request.

▶ ROBO WAVE



The mobile stretch wrapping machine ROBO WAVE enables a stable and compact wrapping of every kind of palletized product with no size restrictions. As ROBO WAVE is a battery powered machine that can operate anywhere, it solves problems concerning loads that cannot be moved to the packing areas because of load instability or dimensions. Simple and easy to use, it is ideal for logistic centers, warehouses and repacking stations. Wrapping and packaging with any type of stretch film and net will be easy and safe.

A large range of options allows the ROBO WAVE to be customized according to specific requirements, ie: column up 2.800 mm, powered pre-stretch carriage up 300%; roller for net, double wheel feeler, etc.

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