



Professional Packaging Systems

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Robopac Helix 4 Evo Automatic Rotary Arm Stretch Wrapper



At a Glance

- 36 RPM for reliable, consistent wrapping
- Up to 90 loads per hour
- Rotary arm design – ideal for unstable or lightweight pallet loads
- 16 programmable wrapping recipes

Pricing

Call us at 888-318-0083

Many options are available. Complete details will need to be finalized to determine requirements and final system costs. Work with your Pro Pac representative to build this machine to your specifications.

High-Speed Rotary Arm Stretch Wrapper

The Helix 4 Evo is Robopac's top-tier rotary arm automatic stretch wrapper—built for high-demand, high-volume environments that cannot afford bottlenecks. With a top speed of 36 RPM and throughput up to 90 pallet loads per hour, the Helix 4 Evo stretch wrapper delivers the speed and durability that peak operations require.

Sixteen standard wrapping recipes allow operators to easily select and consistently repeat the best wrapping pattern for pallet loads in less time.

With a 36 RPM speed and up to 90 pallet loads per hour, the Robopac Helix 4 Evo provides maximum speed, maximum uptime, and minimum waste.

Built for Demanding Applications Designed for rugged, continuous use, the Robopac Helix 4 Evo stretch wrapper thrives in multi-shift production lines and demanding logistics operations. This Robopac stretch wrapper combines performance and precision with the flexibility to wrap unstable or heavy loads without compromising cycle time.

Helix 4 Evo Benefits

- High Output Efficiency: Up to 90 loads per hour
- Lower TCO: Reliable performance reduces downtime and film waste
- Fully Customizable: Modular options fit your exact application
- Remote Visibility: R-Connect keeps you in control from anywhere

Helix 4 Evo Is Designed For

- High-speed packaging lines
- Distribution centers with multi-shift operations
- Facilities with demanding throughput requirements
- Environments where load stability is critical

Features

Category 3 Safety Safety system is designed so that a single fault in any of its parts does not lead to the loss of a safety function. Sick M-4000 light curtains Electric dump valve Category 3 safety circuits Robopac rapid support External panel access

Color Graphic Display Color graphic display makes it easy to set up correct parameters for wrapping each load. Control pre-stretch, containment force, rotation speed, roping and banding at 9 levels on each load.

Conveyor Infeed & Outfeed Conveyors extend length of the machine, making it easier to handle pallet loads. Wrap zone in addition to infeed and outfeed conveyor creates a complete system.

Cube Smart Stretch Wrapping Technology Innovative technology combines: Multi-level variable pre-stretch Multi-level variable containment force Pro-active corner compensation Strategic film placement Successfully wrap loads to ensure that they reach their destination by maintaining proper wrapping standards.

Auto Film Clamp Highly reliable, dual rod cutting system fully automates the wrapping process.

Auto Film Break Alarm Detects and alerts upon film break.

Warranty Guarantees repair or replacement the machine within 1, 3, or 5 years.

Pre-Stretch Carriages

PGSM Evo Carriage Pre-stretch carriage with single motorization allows stretch film to be pulled at fixed values up to 344% and apply up to 12 containment force values on the pallet. Optional kits are available for pre-stretch other than standard. Adjustment of the placing force on the pallet is controlled by an analog system. The carriage is equipped with a standard 20" reel or with an optional 30" reel.

PGSA Evo Carriage Pre-stretch carriage with double independent motorization allows to pre-stretch film from the control panel, with a 150% - 400% range and control system through inverter. Apply up to 12 force containment values on the pallet. The carriage is equipped with a standard 20" reel or with an optional 30" reel. The adjustment of the containment force on the pallet is controlled by a reactive system based on Cube Technology Level 1.

SCSP/2 Evo Carriage Pre-stretch carriage with double independent motorization allows to pre-stretch film from the control panel, with a 150% - 400% range and control system through inverter. Apply up to 12 force containment values on the pallet. The carriage is equipped with a standard 20" reel or with an optional 30" reel. The adjustment of the containment force on the pallet is controlled by a reactive system based on Cube Technology Level 1 and Level 2.

Stretch Wrapper Clamps

Hot Plate Sealer Hot plate device fixes the final edge of film during wrapping cycle on the previous turn.

The film is cut by hot wire. Sealing plates are mounted on springs to adapt to the surface of the product. Sealing time can be set from the control panel.

Evo Pincers Standard clamp cuts film through a hot wire. Also available with double driver for independent movement of the two pincers, ideal for pallets of varying size.

Evo Spring Clamps, cuts and seals film without contact with the product. This device works through spring steel with a proportional reduction of the film band and is complete with an air blower to seal the initial edge of the film within the wrapping. The Evo Spring is specifically designed to guarantee perfect finishing of the end edge of film by electronically controlled impulse sealing on constant film thickness. Final sealing of film takes place on a mechanical support, accurately avoiding direct contact with the product.

Options

Vertical Pressure Platen Pallet retaining system during wrapping used with upper covering systems (top inside / top outside) or with particularly unstable loads. Available with mechanical movement of pantograph system or pneumatic drive.

Pallet Lifter Pallet lifting system in the center of the conveyor with pneumatic or hydraulic drive allows complete wrapping of the wooden pallet. This system manages wrapping of the product and pallet in a flexible manner, guaranteeing maximum stability of the palletized load. The pneumatic lift has a maximum capacity of 4400 lbs. The hydraulic system has a capacity of more than 4400 lbs.

Top Cover Automatic system for covering the upper surface of the pallet load. Top Inside version is integrated in the structure of the machine provides a cover against dust and water. Top Outside version with independent structure provides a dust-proof cover.

Roping Roping system reduces the width of film to a cord and ensures a more effective stabilization of the load.

VCA Corner Applicator Gripping and application devices automatically locate the four corners of the pallet load without any manual setting or adjustment of the system.

Please [contact Pro Pac](#) or call 888-318-0083 for your stretch wrapping equipment.

Max Throughput

| Helix Wrapper | Pallets per Hour |
|----------------|------------------|
| Helix 1 Evo | 65 pph |
| Helix 1 Evo TI | 45 pph |
| Helix 3 Evo | 80 pph |
| Helix 3 Evo TI | 55 pph |
| Helix 4 Evo | 90 pph |
| Helix Max | 90 pph |

Specifications

| | |
|-----------------------|---------------------------|
| Min Pallet Dimensions | 16" x 24", 400 x 600 mm |
| Max Pallet Dimensions | 48" x 48", 1220 x 1220 mm |
| Min Load Height | 20", 500 mm |
| Max Load Height | 79", 2000 mm |
| Pre-Stretch Carriage | PGSM |
| Pre-Stretch Ratio | 161% - 208% - 269% |
| Power | 380 - 400 - 415 V, 50 Hz |
| Air | 6 +/- 1 bar |

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