



Professional Packaging Systems

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Robopac Helix 4/2 Automatic Rotary Arm Stretch Wrapper



At a Glance

- 36 RPM for reliable, consistent wrapping
- Up to 145 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.

Dual-Carriage Rotary Arm Stretch Wrapper

The Helix 4/2 is Robopac's most advanced automatic rotary arm stretch wrapper—engineered for ultra-high-speed applications where maximum productivity and uptime are non-negotiable. With twin film carriage technology and a 36 RPM rotary arm, the Helix 4/2 can wrap up to 145 pallet loads per hour, making it the top choice for demanding, high-throughput operations.

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 145 pallet loads per hour, the Robopac Helix 4/2 stretch wrapper is for operations that cannot afford to slow down with unmatched performance, flexibility, and durability.

Helix 4/2 Benefits

- Industry-Leading Throughput: Designed for 24/7, high-volume operations
- Reduced Downtime: Twin carriages cut wrapping time and increase efficiency
- Lower TCO: Built for long-term reliability with low maintenance requirements
- Future-Ready: Fully customizable and integration-ready for automated lines

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

SCSP Evo Carriage Pre-stretch carriage with single motorization, which allows the stretch film to be pulled at fixed values up to 300% and apply up to 12 containment force values on the pallet. Optional kits are available for pre-stretch other than standard. Adjustment of 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.

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.

Nip and Tuck Clamps, cuts and threads film without a sealer. The last tail of the film is inserted into the winding itself.

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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