



Professional Packaging Systems

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Wulftec The Wave Automatic Turntable Stretch Wrapper



At a Glance

- Up to 4 carriages on the same system
- Up to 125 pallet loads per hour
- 4000 max load weight
- 20 inch NO-THREAD powered pre-stretch carriage for quick, easy and safe film loading
- These stretch wrappers are built to last forever
- Best warranties in the stretch wrapper industry

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.

Wulftec Absolute Velocity Equipment - The WAVE

Built with the same quality as every Wulftec stretch wrapping system, the Wave offers versatility in various applications and is suited for many industries.

Features of the Wave

AC variable frequency drives as standard equipment on all machines

Lower maintenance and better reliability

Wulftec stretch wrappers will save time and money

NEMA 4/12 control panel dust tight and waterproof

The control panel is neatly organized eliminating time otherwise lost searching for wires

The control panel is UL508A approved

Superior electrical/electronic design including Allen Bradley MicroLogix PLC and AC drives

Easy to understand alarm signalization

All motors, proximity sensors, photoeyes and other sensors have quick disconnect cables that simplify installation and maintenance

Photoeyes are maintenance free and protected

All Wulftec structures are made of heavy-duty steel for rugged performance in the harshest work environments

These stretch wrappers are built to last forever

Dual chain driven for balanced movement & no vibration

Quick and easy adjustment of upper and lower carriage travel

The Maintenance-Free spring-loaded carriage gate equipped with spring loaded rollers ensures optimal contact with the stretch film, year after year, without involving maintenance

Wulftec is the only manufacturer to offer a LIFETIME warranty on its pre-stretch roller blue compound

Preset pre-stretch ratios are available from 50-300%

Since all of our semi-automatic SMART Series stretch wrappers wrap 2 inches from the turntable, you are guaranteeing the product is properly secured to the pallet, resulting in a pallet that is more stable for transport, and therefore less damage

No film threading is required and a Lexan cover eliminates operator's ability to reach rollers when gate is closed

Non-Proprietary parts accessible on a local base

Eliminate Downtime Due to Film Changeover

With our carousel mounted film carriage system, eliminate the downtime created by film loading.

Comes with up to 4 complete NO-THREAD powered pre-stretch film carriages that work alternatively, for continuous-operation film reloading. When the machine processes one roller, it automatically replaces the empty spool with a new roll without missing a beat or requiring operator intervention.

Human-Safe Loading Zone

Operator exposure to moving parts during operation is eliminated with our human-safe film loading zone. The film loading zone is now outside of the wrapping zone and is equipped with its own safety devices which do not interfere with the wrapping process. Therefore, the operator can reload the stretch film roll without stopping the machine operation while being 100% safe. Category 3 safety package included.

Versatility

With up to 4 carriages on the same system, customers can pre-set wrap patterns to use the different carriages for different needs:

Different film sizes (20", 30", 40")

Different film thickness

Different prestretch levels

Different film colors

Logos, etc.

The Wulftec Advantage

Non-proprietary parts

Easy integration into existing lines

Local support with qualified technicians for installation, integration, repairs, inspection

Parts delivered within 24 hours

Advisory service

Best Warranties in the Industry

5-year unlimited cycle warranty

10-year warranty on steel structure

10-year warranty on 25" ring gear bearings

Lifetime warranty on pre-stretch roller blue compound

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

Specifications

Production Rate	125 loads per hour
Machine Dimensions	199" L x 230" W x 180" H
Maximum Load Size	48" L x 48" W x 80" H
Load Weight	4000 lbs, 5000 lbs optional
Approximate Shipping Weight	12000 lbs
Electrical Requirements	230 V /3 ph /60Hz 20A
Pneumatic Requirements	5 cfm @ 80 psi
Controls	Allen Bradley CompactLogix L30 PLC with an integrated Ethernet port Allen Bradley PanelView Plus 1000 color touch screen interface 24V control system Sick autoheight sensing photoeye with on/off mode NEMA 4/12 control cabinet Power on/off lockable switch and indicator light One panel mounted emergency stop station Manual carriage Up/down function Manual function for turntable rotation fwd Manual clamp jog on touch screen Reset function Separate top and bottom wrap selection (0-9) Conveyor manual mode fwd / rev Alarm beacon Intuitive alarms diagnostic on touch screen Current overload protection Double brush dust tight slip ring 1 HP 230VAC motors with Allen Bradley variable frequency drives Film force to load control
Structure	14 gauge formed steel tower Heavy duty structural steel construction
Film Delivery System	4 - 40" NO-THREAD® powered pre-stretch carriages 1 HP 230VAC motor with Allen Bradley variable frequency drive 50% to 300% pre-stretch ratio preset to customer spec, std 200% Electronic film tension control with analog sensor Film force release for easy pull at start and end of cycle Lifetime warranty on pre-stretch rollers blue compound Lexan roller cover for operator safety Spring loaded carriage gate for pre-stretch consistency
Film Tail Treatment	Automatic film clamping device Pulse controlled cutter Film alignment arm Brush-on film tail treatment Heat Seal treatment optional
Film Carriage Drive	1 HP 230VAC motor with Allen Bradley variable frequency drive Two #40 carriage lifting chains Bearing supported maintenance free guide wheels
Turntable Drive	25" Heavy duty ring gear with pinion gear drive 16 RPM standard up to 30 RPM maximum variable speed 1 HP 230VAC motor with Allen Bradley variable frequency drive Electronic soft start/stop Positive turntable alignment controlled by proximity sensor Electric brake

Turntable Conveyor 77" dia. 1/2" steel plate 2 1/2" dia. Rollers on 3 3/8" centers All full length rollers driven 3/16" wall cold rolled electric welded steel rollers 52" BFR (between frame rails) 1 HP AC motor with contactor #40 ANSI chain drive Heavy duty cast iron flange mounted bearing

Conveyor 5' in / 5' out contoured powered conveyor with smooth transfer 52" BFR (between frame rails) Standard pass height 18" Other pass heights available, please consult factory 2 1/2" diameter rollers on 3 3/8" centers 3/16" wall cold rolled electric welded steel rollers Rollers driven via #40 chain 1 HP 230VAC motor and contactor Heavy-duty structural steel design, interlocking style for continuous equal roller spacing Heavy duty cast iron flange mounted bearing 30 FPM fix conveyor speed Other speeds available

Technical Information The machine is provided with a manual including electro/mechanical schematics and drawings, maintenance program and PLC program disk

Safety Package Option

Many customers are now asking that we supply our machines in accordance to OSHA specifications for safety. Although OSHA is not specific on what the requirements are, we have added the following features to this system to provide additional safety.

A typical safety package for a rotary arm unit consists of:

Light Curtains

4 beam Light curtains SICK M4000 and a safety monitoring relay. Includes a dual channel e-stop circuit for category 3 safety protection and a 2 button lanyard with estop.

After the forklift driver places the load in the wrap zone, he must back out of the wrap zone clearing the light curtains, verify that the wrap zone is clear of all personnel, then rearm the safety circuit on the lanyard and start the cycle.

If the light curtain barrier is broken at any time during the cycle the machine will stop and will not be able to restart until the safety relay has been reset.

The pre-stretch motor will not be powered during e-stop or wrap zone entrance.

Film can still be easily pulled out of the carriage by opening the carriage gate.

Electric Dump Valve

Addition of an electric dump valve to purge the pneumatic system (including the cylinders) when an E-stop is pressed or when the machine power is off.

Fencing Safety

Three sided safety fencing around process area. Fencing is heavy duty with safety yellow support posts and black wire mesh sections for improved visibility into the wrap zone.

The overall height of the fencing is 90" from the floor, with a 4" sweep space under the panels.