



LOAD CONTAINMENT SOLUTION EXPERTS



WWW.WULFTEC.COM

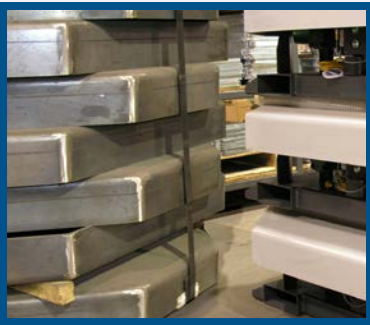
WE FEAR NO PACKAGING CHALLENGE

MECHANICAL ADVANTAGES

Heavy Duty Structural Steel Construction

All Wulftec structures are made of heavy-duty steel for rugged performance, even in the harshest work environments. **They're built to last forever.**

Wulftec stretch wrappers benefit from an all-steel structural design for superior strength. That's why our stretch wrappers are well-known for their exceptional strength, durability and reliability -- no matter how harsh your environment may be. The structure is warranted for a period of 10 years.



Dual Chain Carriage Lift

Wulftec uses dual chains to lift the film carriage up and down. Most of the competition use a single chain or belt to lift the carriage.



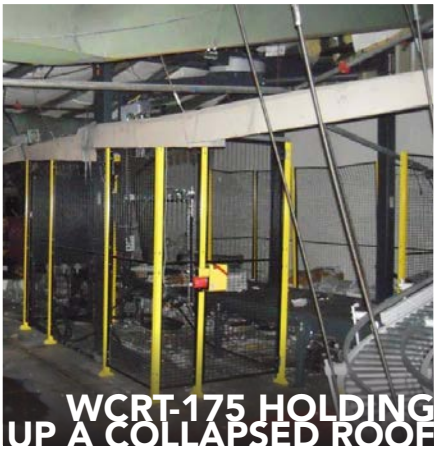
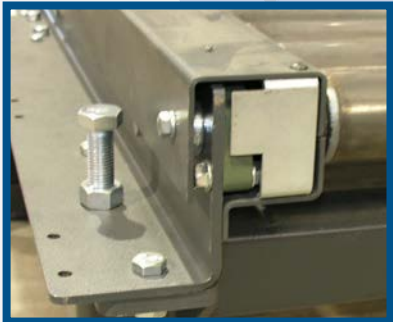
You will never see a forklift that has only one chain - there are two chains for safety reasons. If one chain fails or breaks, the second one is there to continue to provide support. Contrary to a single chain or belt lifting system, our dual system ensures stable lifting thus eliminating vibrations. Our chain system is concealed within the formed steel tower and out of reach of personnel on turntable models.



Heavy Duty Conveyors

Wulftec has built a solid reputation on being experts in the conveyor industry with multiple conveyor solutions for all industries.

Having a Wulftec conveyor on the production line is a powerful statement. It's an investment in strong values because Wulftec is dedicated to manufacturing only the best. It's an investment in all steel construction, for increased stability and strength. It's an investment in success, because Wulftec equipment is designed and built to last load after load, year after year. Our conveyors are second to none in the industry. No one in the industry builds conveyors to Wulftec's specifications.



The Ring Gear with Pinion Gear Drive System



The key component in an automatic stretch wrapper is what drives and supports the wrapper. We use a 25" ring gear to support our stretch wrappers coupled with a pinion gear to drive the ring gear. Our direct drive ring gear/pinion gear is the strongest drive system in the industry and we back this statement with a **10 year warranty on the ring gear.**

The high torque capacity and the efficiency of its stopping time are the main advantages of our ring gear. The machine's rotating boom/turntable is supported by the ring gear bearing. It is designed to hold up to 37,000 lbs of dynamic force - we are only applying about 750 lbs.

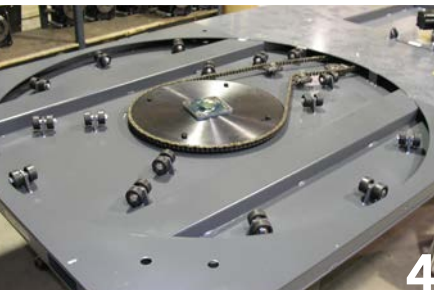
Wulftec pays special attention to the mounting of the ring gear. We machine the surface of the steel so it is flush, which is not the case with our competitors. The manufacturing process is a bit more expensive, but it ensures safe and proper operation for many years.

Comparison With Belt/Chain Drive

The ring gear with pinion gear drive system combo will never slip and will wear much slower compared to belt and/or chain driven machines. It requires less maintenance and is perfectly suited for wet or dusty environments. If the belt or chain breaks or comes off, there is nothing to stop the machine from turning. When the E-Stop is pressed, it will not stop immediately, causing damages and injuries. Frequent E-stops will create an abnormal stress to the belt or chain, which will cause major wear problems.

Features

- 1. Cold rolled steel rails welded to the frame of the boom**
They provide a smooth operation when the UHMW (Ultra High Molecular Weight) blocks are sliding up and down with the carriage.
- 2. Dual structural steel boom on WRT/WRTA/WCRT series**
A dual chain carriage lift system and a dual structural steel boom improves machine security and ensures stable lifting thus eliminating vibrations.
- 3. Formed steel tower on turntable**
Wulftec uses 14ga steel formed, welded and painted inhouse. Solid steel will stand up to any challenge, unlike plastic panels that are easy to crack and break, and will eventually start vibrating during operation causing unnecessary noise. In the worst case, you will put a dent in our steel tower.
- 4. We're not afraid of building machines with more steel**
Wulftec has a completely surrounded steel base that can withstand the worst treatment.



ELECTRICAL ADVANTAGES

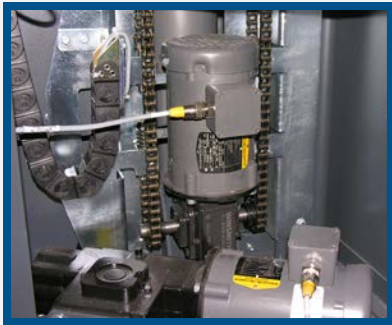
Baldor Motors

AC Motors require less maintenance compared to DC motors which have brushes that need to be checked periodically.

Whereas most of our competitors continue to use inferior DC motors with DC boards, Wulftec switched to AC several years ago.

AC drives are stronger at starting than DC drives due to the special internal function called Boost.

Depending on your application environment, machinery can be equipped with waterproof motors.



Control Panel

Everything goes into a free-standing control cabinet.

The cabinet is NEMA 4 and NEMA 12 rated as well as compliant with CSA, UL and/or CE standards. We use permanent plastic wire markers for numbering individual wires for easy troubleshooting. You won't find a cleaner, better laid out control cabinet on any piece of equipment. For safety purposes, all control voltage are on 24VDC.

Depending on the options you will choose, the size of the control panel will change accordingly.



STAINLESS STEEL ENCLOSURE

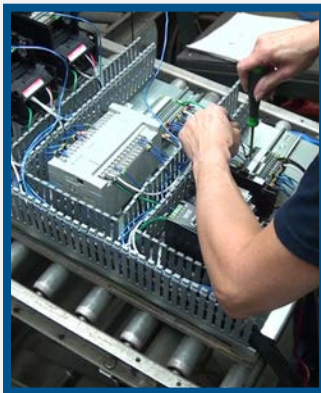


Quick Connections

All electrical and pneumatic components are quick-disconnect type for ease of installation and maintenance.

Quick-disconnects and prewired plugs make it easy to change out replacement parts or install retrofits in the future.

All conveyor zones have quick-disconnects with prewired plugs running into the back of the control panel.



CUSTOMIZED ENCLOSURE

Allen Bradley Variable Frequency Drives



Wulftec was the first company in North America to put the AC variable frequency drives as standard equipment on all its machines, semi-automatic and automatic.

Allen Bradley AC drives are easier to adjust compared to DC, they offer a more constant performance than DC drives in instances where there may be power supply fluctuations as they are internally protected against surges.

By using Allen Bradley VFDs on all motors, we can ensure that only the power required by the load is used, regardless of the HP of the motor.

Allen Bradley PLC

Wulftec uses Allen Bradley as standard PLC. Many of our competitors use a proprietary micro processor as standard and will quote PLC at an additional cost.

- Programming flexibility
- Reliable
- Accessible via modem or Ethernet*
- Non-proprietary
- Easy trouble shooting

*Depending on model

Features

1. Avoid all mis-wiring problems

By using quick-disconnects and permanent plastic wire markers, we ensure an easy installation without any danger of mis-wiring. It makes the installation of future retrofits trouble free.

2. Other manufacturers' components available

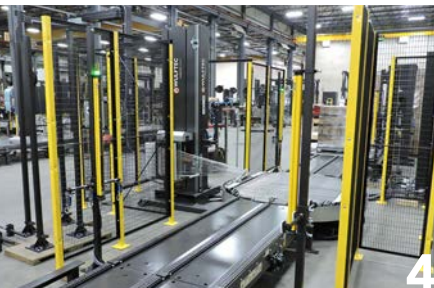
Even if Allen Bradley and Baldor are our default, there is always the possibility to use another manufacturer, such as Siemens, OMRON, IDEC, SEW, Grainger, Lincoln...

3. Choose your control panel

Semi-automatic machines start with push buttons and switches with basic settings and can be upgraded with fully customizable touch screen HMI. This HMI offer highly flexible wrapping patterns and allows for a full range of options and program changes.

4. Safety features

Standard safety features start from an e-stop button on semi-automatics and safety fencing surrounding the wrap zone on automatic machines. Category 3 safety level, including light curtains, muting photoeyes, safety monitoring relays and extra fencing, and more safety features are available as options.



TECHNICAL ADVANTAGES

Maintenance Made Easier

We have refined our equipment since our foundation and continue to add new features to further enhance operator and maintenance experience.

Over the years, we made choices to improve the maintainability of our machinery. Improvements like Allen Bradley AC variable frequency drives, “maintenance free” spring loaded carriage gate, 25” ring gear bearing with automated remote lube station, heavy duty structural steel construction, lifetime warranty on pre-stretch rollers blue compound, readily available non-proprietary parts, etc...

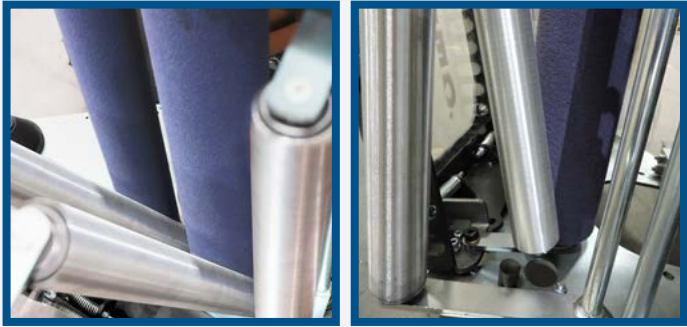
If the machine is equipped with the active maintenance option, maintenance warnings will be displayed on the HMI. The active maintenance screen includes instructions on how to maintain the pre-stretch belts, carriage chains, ring gear, photoeyes, reducers, etc. Follow the instructions on the HMI to achieve proper maintenance. If the machine is not equipped with this option, refer to the maintenance instructions or the preventive maintenance calendar in the user manual.

MAINTENANCE HISTORY				
Acknowledge time: 3:04:29 PM 11/18/2019				
ABCODE: FGHJK LMNOPQ RSTUV WXYZ				
ABCODE: FGHJK LMNOPQ RSTUV WXYZ				
MAINTENANCE #	ACK BY USER	TIME	DATE	
M001	S..S	S..S	S..S	RING GEAR BEARING
M002	S..S	S..S	S..S	GREASE CHAINS
M003	S..S	S..S	S..S	CARRIAGE RAILS AND CHAINS TENSION
M004	S..S	S..S	S..S	CONVEYORS CHAINS
M005	S..S	S..S	S..S	CUT AND WIPE PHOTOYS
M006	S..S	S..S	S..S	PRE-STRETCH BELT OR CHAINS
M007	S..S	S..S	S..S	CLEANING PHOTOEYES
M008	S..S	S..S	S..S	CLEANING COMMUTATOR
M009	S..S	S..S	S..S	RING TEETH
M010	S..S	S..S	S..S	PINION SCREWS
M011	S..S	S..S	S..S	PINION GEAR BACKLASH
M012	S..S	S..S	S..S	PRE-STRETCH SPRING LOADED ROLLER

Wulftec NO-THREAD® Pre-Stretch Carriage

Our NO-THREAD® powered pre-stretch carriage is designed for quick, easy, ergonomic and safe film loading. With our revolutionary spring loaded carriage gate, our carriages are “maintenance free”.

NO-THREAD® Powered Pre-Stretch film delivery system. Designed with safety in mind, no film threading is required and a Lexan cover prevents access to the rollers when gate is closed. A heavy duty metal cover (on automatic machines) also protects the carriage from falling debris and protects the internal components. Our linear device compensates for corners to provide even film tension on the load. 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. Preset pre-stretch ratios are available ranging from 50-300%, std is 250%.



Non-Proprietary Parts

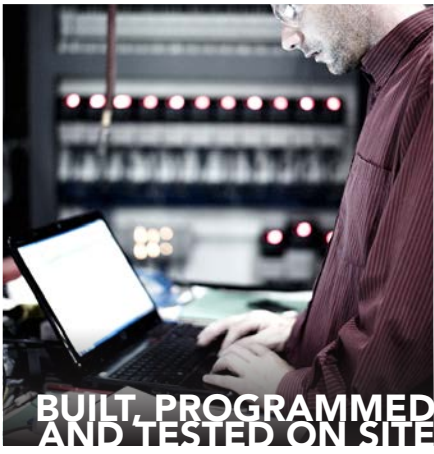
Wulftec is one of the few manufacturers to offer the convenience of non-proprietary parts throughout, which means they are easily accessible on a local basis.

We use standard parts that most engineers say are the best brands in the industry. PLC, photoeyes, AC variable frequency drives, selector switches, slip ring, etc... are all available locally. We even list the manufacturer and OEM part numbers in our user manuals.

Replacement parts availability is key to ensuring our equipment performs around the clock. We have parts covering generations of our equipment because of their durability and reliability.

We will go the extra mile to ensure you are satisfied with your Wulftec equipment and that it delivers the performance you expect.

Your success is our success!



Human Machine Interface (HMI)



We have refined our touch screen program over the years and now offer 16 fully programmable wrap patterns to choose from for automatic machines and 10 for semi-automatics. Complete diagnostics are on the screen, it will tell you when something is wrong and, more importantly, what needs to be fixed.

We have a maintenance page on the screen as well as an active maintenance schedule. The PLC keeps track of hours of operation and cycles, then displays maintenance procedures on the touch screen at the appropriate time. The performance page includes a non-resettable cycle counter, resettable cycle counter, and shows wrapped loads per hour achieved.

Most of our competitors use knobs and switches or a membrane panel for operator interface. Those that do offer a touch screen as an option, lack our experience and level of programming.



Features

1. Multi-function switch

With the aid of the multi-function selector switch, the operator will simply select the component (i.e. the carriage), they want to manually jog and then use the +/- switch to jog. The multi-function switch will also be used for a variety of other functions like specifying whether to wrap a load or release it to the outfeed conveyor when resuming automatic mode after resetting the machine.

2. Film consumption monitoring

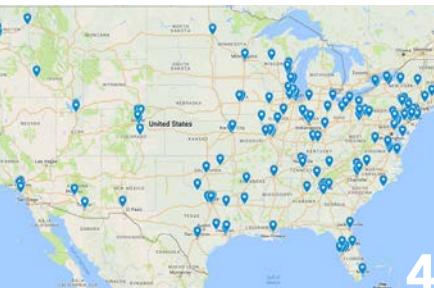
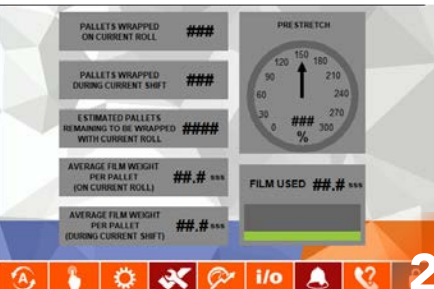
With the addition of a proximity sensor and a flag to the shaft of the first pre-stretch rollers. We are able to monitor the number of revolutions of that roller. We know that a fixed number of inches of film is dispensed with each revolution. The PLC is then able to calculate the ounces of film applied to each load.

3. Technical support

Whether it's during the day, in the middle of the night, on a holiday or weekend, we know it's critical when a piece of equipment goes down. Our technical support staff is available to answer the call and arrange for a technician to be on-site quickly.

4. Servicemen and Wulftec certified technicians

Wulftec has over 200 trained and certified technicians around the world. Simply contact your local Wulftec distributor and help is on the way.



EXCLUSIVE ELEMENTS

NO-THREAD® POWERED PRE-STRETCH CARRIAGE

with revolutionary spring loaded carriage gate

(50-300% PRE-STRETCH RATIO)



- Maintenance free
- Safe and fast loading process
- Lexan gate safety cover
- Double latch safety gate lock
- Virtually silent operation
- Excellent film stretching performance
- Maintenance free AC motor with variable frequency drive for corner compensation
- Lifetime warranty on pre-stretch rollers' blue compound

ALLEN BRADLEY - PLC

- Programming flexibility
- Reliable
- Accessible via modem or Ethernet*
- Non-proprietary
- Easy trouble shooting

*Depending on model



ALLEN BRADLEY VARIABLE FREQUENCY DRIVES

- Excellent repeatability of settings
- Easy set-up
- Accurate speed control
- Easy digital readout
- Maintenance free

Rockwell
Automation

Machine Builder
Partner



- All of this is backed by the best warranty in the industry:
- Lifetime warranty on pre-stretch rollers' blue compound
- 10-year warranty on the structural steel frame
- 10-year warranty on 25" ring gear
- 3-year unlimited cycle warranty
4 years on WRT and WRTA
5 years on semi-automatic SMART™, SMHPA, SMLCA and SMLPA

WINSMITH
PEERLESS-WINSMITH, INC.

SICK

BALDOR



Allen-Bradley

by ROCKWELL AUTOMATION



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