

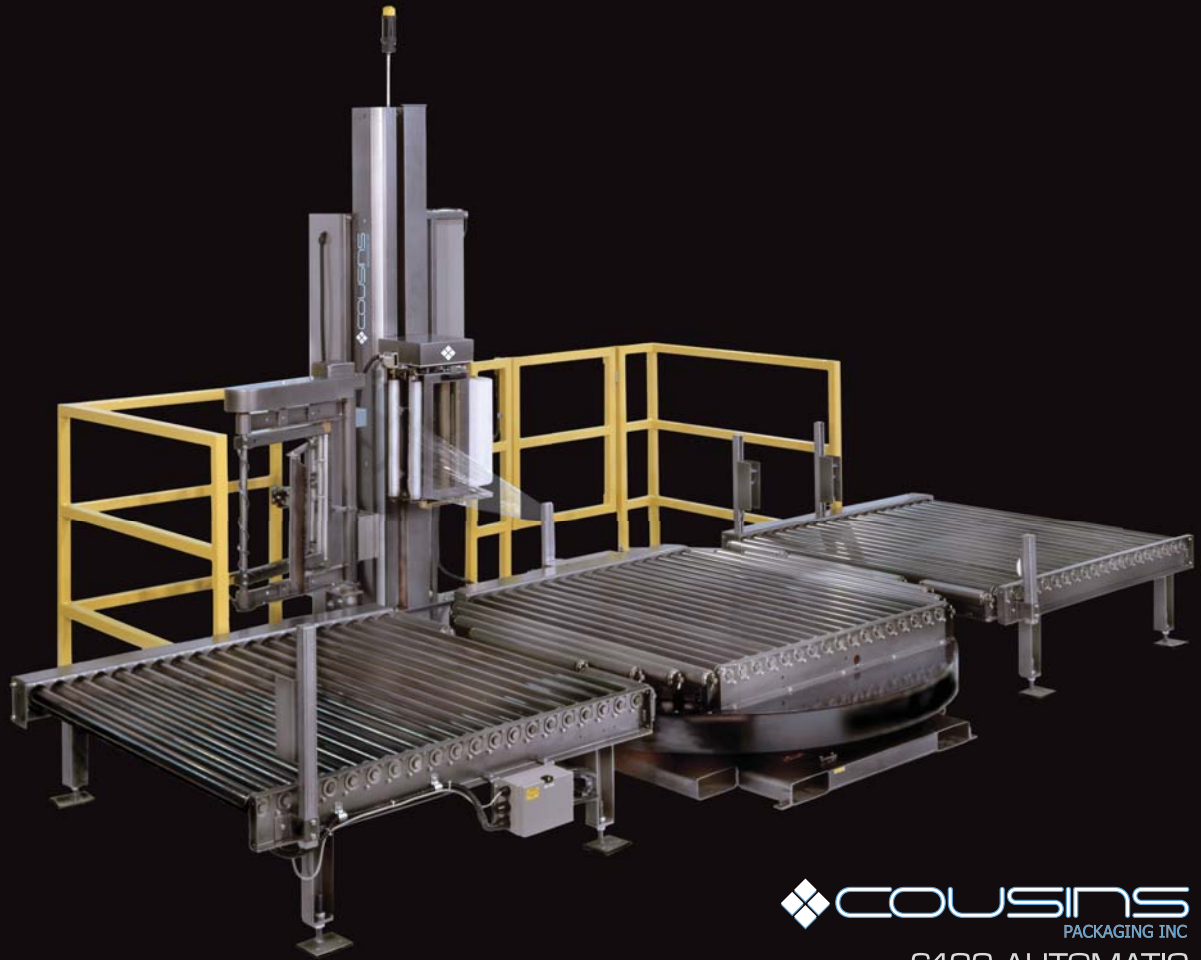
❖ Programming functions that can **eliminate film breaks**

❖ Both turntable and overhead models to select from with up to 95 loads per hour throughput capacity

❖ Rugged ring bearing turntable support

❖ Heavy duty all structural steel construction

❖ A powered pre-stretch carriage that has the most "film to pre-stretch rollers" contact available anywhere while always placing the "sticky" side of the film against both the pre-stretch rollers and the load



The Cousins Difference

Exceeding Expectations

At Cousins Packaging, we embrace the future with innovative, industry leading ideas while striving to offer superior customer service. Our acute understanding of the stretch wrap industry supports our commitment to bringing the latest technology and features to the marketplace. We offer an extensive product line to suit virtually every situation and in applications where customizing is the answer. Our team of engineers will work with you to achieve the ideal solution to satisfy your company's requirements.

At Cousins, we are extremely proud of the high quality machinery we produce and the real value we provide our customers. Operator safety is extremely important to us, so when we say every machine we build is "Performance Designed with Safety™," we mean just that!

I invite you to contact one of our knowledgeable representatives today and experience the Cousins difference first hand. We'll exceed your expectations!



Neil Cousins
President



Roller Bearing Carriage Guidance System... Smooth And Reliable

Cousins Maintenance-Free, 12-point roller bearing carriage guidance tracking system offers superior performance and reliability over plastic glides which typically require more energy and are more likely to jam and cause jerky travel of the carriage. Standard on all Cousins models, roller bearings provide the carriage with smooth transfer and tracking both up and down.



Safety 1st... 100% Shut Off

To ensure optimum operator safety, the Cousins "RAPID THREAD II" pre-stretch carriage employs a built-in safety interlock, which will automatically shut off the power to the entire machine when the carriage door is opened.

All Steel Construction... Solid As A Rock

Cousins Stretch wrap machines are all steel constructed, for heavy duty performance and long life. Seams and pressure points are arc welded and heavy duty bolted.

Electro-static Powder Coating... Tough Is Beautiful

One of the best-features of powder coating is how incredibly durable and strong the resulting finish is. It stands up against the toughest conditions, keeping its original polished-appearance. Surfaces are resistant to chipping, scratching, abrasion and other daily wear-and-tear. The thermal bonding process creates a virtually unbreakable sheet of plastic upon the surface of the parts making for a much more durable finish than wet spray.



Performance Inspired Super Rapid Thread II film carriage standard with **The Switch**



The patent pending **Super Rapid Thread II** film carriage is the most innovative carriage design to date. In the past, most manufacturers decided to use easy thread safety doors for the ease of film threading and safety. This reduced the “film to pre-stretch roller” contact area as indicated in figure 1 (Industry Winding Pattern With Safety Door). In addition to this, the idler rollers on the doors often fell out of alignment. These two issues increased what the industry refers to as film slippage. People didn’t pay much attention to this in the past, though it could add up to thousands of dollars, often doubling film usage. Due to the increasing cost of stretch film, people started paying a lot more attention to their pre-stretch values and were astonished to discover huge differences. This is the inspiration for the **Super Rapid Thread II**.

The Super Rapid Thread II has:

- ❖ The largest film to pre-stretch roller contact area of any machine on the market
- ❖ Only one floating nip roller on the access door that automatically aligns every time you close the door
- ❖ 2 nip/idler rollers are rigidly fixed (cannot move)
- ❖ No spring-loaded nip rollers
- ❖ Patent pending threading device for ease of threading
- ❖ Safety electrical interlock - shuts the power off when the carriage access door is open
- ❖ Carriage anti-fall device. If the chain breaks the carriage can't fall
- ❖ Carriage anti-descent plate. Stops the carriage descent if an obstacle is detected
- ❖ One of the few carriages on the market that correctly puts the sticky side of the film against both the pre-stretch rollers and the inside of the load

FIGURE 1

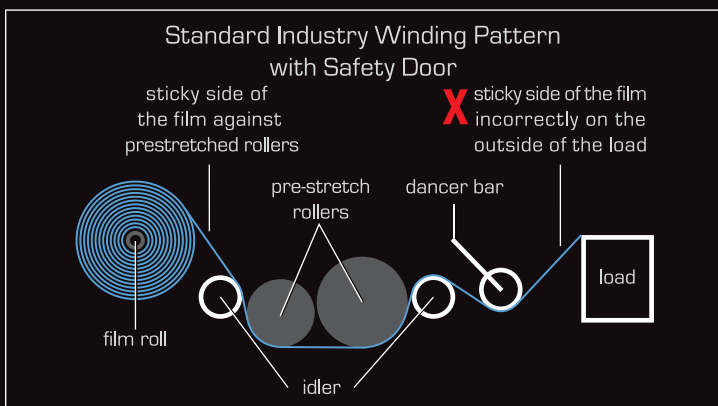
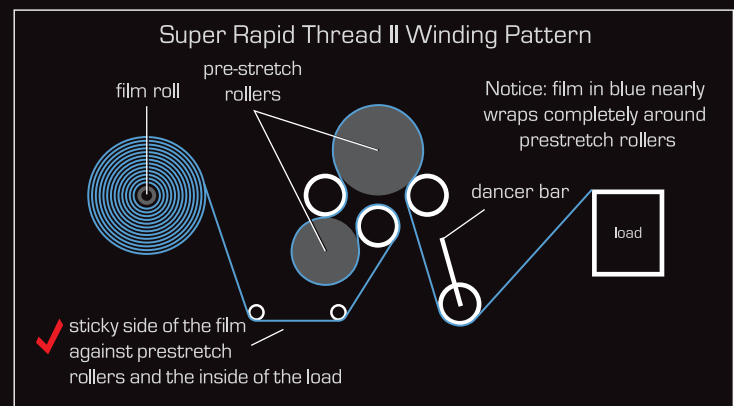


FIGURE 2



The film carriage is the most critical device on the machine.

The Super Rapid Thread II Requires No Tuning!

Design And Customize To Suit Your Application

- ❖ Wide variety of standard conveyor options to choose from
- ❖ Easy to modify machine orientations to fit any building
- ❖ Automatic top sheet dispensers or load centering devices
- ❖ Lift stations and other material handling options
- ❖ Easy PLC programming and product flow logic
- ❖ Integrate into any existing conveyor or AGV system

Heavy Duty Design

- ❖ Built for reliability 24 hours/7 days a week, 365 days a year
- ❖ Low maintenance
- ❖ Sealed-for-life bearings
- ❖ Quiet operation low noise level
- ❖ Structural steel tube frames

Fully Automatics ... Do It All

Cousins automatic systems are in the heavy weight division, wrapping up the toughest and heaviest loads. Fast, safe and operator friendly, these conveyor equipped machines handle loads from bricks and beer to food and lumber and everything else in between. A host of innovative and reliable safety and automation features insure that operators work safely and more efficiently.

 **COUSINS**
PACKAGING INC
4100 AUTOMATIC



Enclosure & Controls



- ❖ NEMA 12 enclosures & J boxes
- ❖ Wiring codes... CSA, NEC, NFPA
- ❖ PLC... Panasonic or Allen Bradley
- ❖ Operator friendly control panels
- ❖ UL/CSA approved components



Ring Bearing Support

- ❖ Heavy Duty performance
- ❖ Long life expectancy - 10+ years
- ❖ 20" – 40" diameters
- ❖ Easy, central lubrication access
- ❖ Standard on 6100 & 7100 series
- ❖ Chain (7100) or gear (6100) driven

Conveyors



- ❖ Loop-to-loop chain driven rollers
- ❖ 0-30FPM to 0-70FPM speeds
- ❖ 2½" diameter rollers on 3" centers
- ❖ Heavy Duty structural steel
- ❖ 208/230/460 VAC, TEFC, motors with soft start

 **COUSINS**
PACKAGING INC
7100 AUTOMATIC

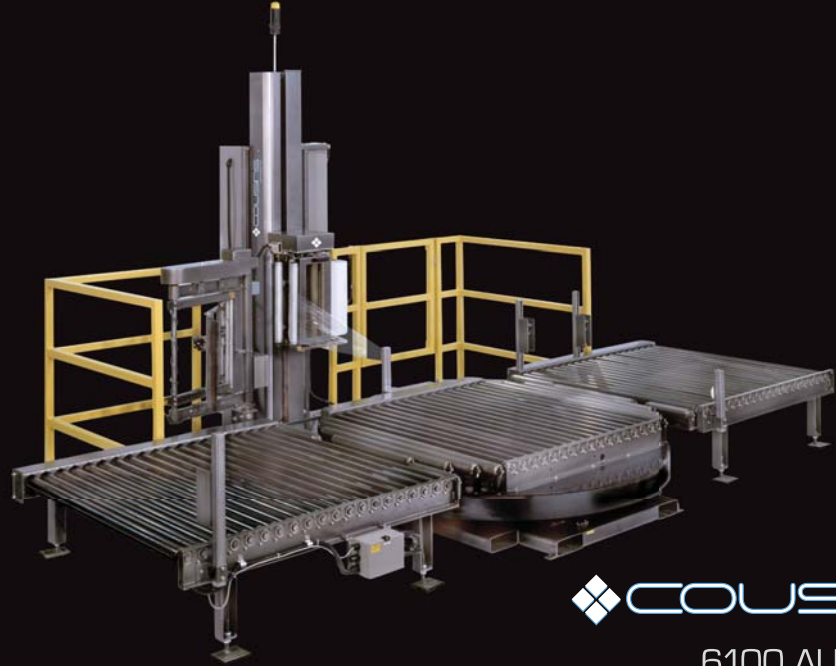


Automatic Systems Standard Features

- ❖ Fast, safe, operator friendly, easy to use labor saving system
- ❖ Safety barriers enclose the wrap zone section to prevent personnel intrusion
- ❖ Operator access gate complete with safety switch disables automatic cycle when gate is opened
- ❖ Centrally located E-STOP button for emergency stop shut down
- ❖ Rotary Arm obstruction emergency safety stop sensor on 4100's and 7100's
- ❖ Maintenance Free 12-bearing carriage tracking system
- ❖ 20" SUPER RAPID THREAD II, power pre-stretch film delivery system with safety inter-lock
- ❖ Twin V-Belt drive with a lifetime belt warranty on 4100's
- ❖ 33- 313% fixed stretch capacity
- ❖ PLC logic control
- ❖ Electronic Soft-Start acceleration
- ❖ Final revolution deceleration and re-alignment

- ❖ Automatic load height sensing
- ❖ Photo Eye
- ❖ Photo Eye load staging logic
- ❖ Pneumatic film cut/wipe and grip devices

- ❖ Non-contact film hot wire cut-off
- ❖ Operational indicator beacon/lights
- ❖ Heavy Duty structural steel construction
- ❖ Many options available



COUSINS
PACKAGING INC
6100 AUTOMATIC

Specifications

Model	4100-45	6100-45	6100-65	7100-65	7100-95
Floor Space Requirements	12.5'W x 21' L	12'W x 17' L	12'W x 17' L	14'W x 22' L	5'W x 22' L
Min. Ceiling Height Requirement	13.5'H	10'H	10'H	13'H	14'H
Loads Per Hour	45	45	65	65	95
Max. Load Size[*] (W x L x H)	50" x 50" x 80"	50" x 50" x 82"	50" x 50" x 82"	50" x 50" x 80"	50" x 50" x 80"
Min. Load Size (W x L x H)	24" x 24" x 24"	30" x 30" x 24"	30" x 30" x 24"	24" x 24" x 24"	24" x 24" x 24"
Max. Load Weight	4000 LBS	4000 LBS	4000 LBS	4000 LBS	4000 LBS
Conveyor Effective Roller Width	53"	53"	53"	53"	53"
Conveyor Roller 2 1/2" Dia. Centers	3"	3"	3"	3"	3"
Conveyor Speeds	20-50 FPM	20-50 FPM	30-60 FPM	30-60 FPM	40-70 FPM
Conveyor Pass Line Height - T.O.R.	18"	18"	18"	18"	18"
System Frame/Tower Construction	Steel	Steel	Steel	Steel	Steel
Turntable or Rotary Arm Speed	0-14 RPM	0-15 RPM	0-20 RPM	0-22 RPM	0-33 RPM
Turntable or Rotary Arm Motor Size	1/2 HP DC	1 HP DC	1 1/2 HP DC	1 HP DC	3 HP DC
Turntable or Rotary Arm Support	Flange Bearing	Ring Gear Bearing	Ring Gear Bearing	Ring Bearing	Ring Bearing
Film Delivery System/Safety Door	Rapid Thread	Rapid Thread	Rapid Thread	Rapid Thread	Rapid Thread
Standard Film Width Capacity	20"	20"	20"	20"	20/30"
Pre-Stretch % Range	110-313%	110-313%	110-313%	110-313%	110-313%
Film Carriage Lift Device	Belt	Chain	Chain	Chain	Chain
Carriage Lift Motor Size	1/2 HP DC	1/2 HP DC	1/2 HP DC	1/2 HP DC	1 HP VDC
Pneumatic Requirements	3cfm @ 80psi	3cfm @ 80psi	3cfm @ 80psi	3cfm @ 80psi	3cfm @ 80psi
Standard PLC	Omron	Omron	Allen Bradley	Allen Bradley	Allen Bradley
Input Voltage Requirements	208V/3Ph/30A	208V/3Ph/30A	460V/3Ph/15A	460V/3Ph/15A	460V/3Ph/30A
Estimated Shipping Weight	4500LBS	4000 LBS	4200 LBS	6000 LBS	6600 LBS

See details at cousinspackaging.com Note [Max Load Size]: * Plus up to 4 inches of additional top overlap on height measurement.



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