

**3300-A ConveyORIZED Automatic**



**NOTE: Photo shows version with 5' powered infeed conveyor, and without standard gravity outfeed conveyor**

**Provided by: [www.PTIPackaging.com](http://www.PTIPackaging.com)**

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## **MODEL 3300-A A-ARM HEAVY DUTY CONVEYORIZED AUTOMATIC STRETCH WRAP SYSTEM GENERAL SPECIFICATIONS**

### **PRODUCTION SPEED:**

- ❖ 1-35 loads per hour  
NOTE: Process rates will vary with load size, number of wraps & forklift load/unload time

### **LOAD CAPACITY:**

- ❖ Maximum load weight: 4,000# dynamic – 12,000# static
- ❖ Maximum load size: 48" W x 48" L (68" max. load diagonal) x 80" H (+ up to 2" top overlap)

### **TURNTABLE:**

- ❖ 72" diameter 3/8" thick laser-cut steel plate with 5" skirt
- ❖ Front and side cut-outs with UHMW flexible contouring for fork truck access
- ❖ 6-point heavy duty ball bearing caster support system
- ❖ ANSI # 60 direct chain drive c/w chain tensioner
- ❖ 3-16 RPM rotational speed c/w soft start acceleration
- ❖ 3/4 HP DC variable speed motor c/w turntable holding brake
- ❖ Final revolution deceleration and positive stop alignment

### **FILM CARRIAGE ELEVATOR:**

- ❖ 1/2 HP DC variable speed motor
- ❖ ANSI #40 direct chain drive c/w shock dampener & **Anti-Fall Safety Device**
- ❖ Maintenance free 12 point carriage guidance system

### **FILM DELIVERY SYSTEM:**

- ❖ **New Super Rapid Thread™** 20" capacity pre-stretch film carriage with patent pending **Pressure Balanced Nip Roller System**
- ❖ 1/2 HP DC variable speed motor
- ❖ Fully electronic dynamic dancer corner compensation
- ❖ 33 to 313% fixed stretch capability
- ❖ Pre-stretch ratio variable by easy sprocket change
- ❖ **Super Rapid Thread™ (Safety Door) with auto power cut-off switch**
- ❖ **Carriage Descent Obstruction Safety Shut-Off Device**
- ❖ Side mounted film carriage for operator convenience and safety

## POWERED ROLLER CONVEYOR:

### **Standard turntable and optional infeed/outfeed sections:**

- ❖ Chain driven live roller conveyor rated 4,000# per section
- ❖ 2-1/2" diameter 11 gauge rollers c/w 11/16" hex axles on 3" centers
- ❖ ANSI # 40 roller to roller chain drive
- ❖ 50" effective roller width
- ❖ Conveyor speed variable up to 30 FPM with electronic soft start
- ❖ Pass-line height – 16-1/2" from floor to top of rollers
- ❖ 1/2 HP DC variable speed motor

## CONTROL FEATURES:

- ❖ **PANASONIC** PLC with Touchscreen Operator Interface
- ❖ Power Off – On – Reset switch & Power On indicator light
- ❖ Cycle Pause for applying top sheets
- ❖ Reinforce Wrap control for mid-wrapping
- ❖ Emergency Stop button
- ❖ Turntable Jog button
- ❖ Film Carriage Lower & Raise buttons
- ❖ Eject Load (Turntable Conveyor Jog) button
- ❖ Film tension (Force-to-Load) control
- ❖ Separate film carriage raise & lower speed controls
- ❖ Variable turntable speed control
- ❖ Triple beam automatic load height sensing photo-eye, detects dark or shiny loads
- ❖ Separate 1 to 12 revolution top & bottom wrap control
- ❖ Selectable Reduced Film Tension parameters for wrapping top and/or bottom of load
- ❖ Gravity conveyor full photo-eye
- ❖ Broken film/out of film detection c/w automatic machine reset
- ❖ Stack-light beacon indicates run, clear or fault conditions
- ❖ Pendant start/stop push-button station for remote operator control – optional lanyard or wireless remote control available
- ❖ NEMA 12 control panel enclosure
- ❖ Non-proprietary UL/CSA approved components

## STRUCTURAL FEATURES:

- ❖ All structural steel construction
- ❖ Forklift truck portable base structure design – lifting tubes included for front and rear access
- ❖ Fully guarded structural steel H-beam machine tower
- ❖ Electro-static powder coated paint finish

## ELECTRICAL INPUT REQUIREMENT:

- ❖ 115 Volts 1 Phase 60 Hz 20 Amps

**All the programming options can be easily accessed by the Panasonic Touchscreen Operator Interface:**



## Performance Inspired Super Rapid Thread II film carriage



The **Super Rapid Thread II** film carriage is patent pending and 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-prestretch 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 other 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
- One of a 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
- 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 descent plate. Stops the carriage descent if an obstacle is detected

FIGURE 1

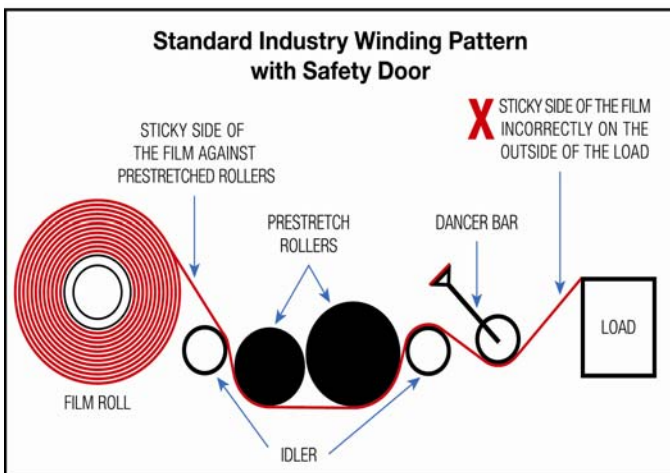
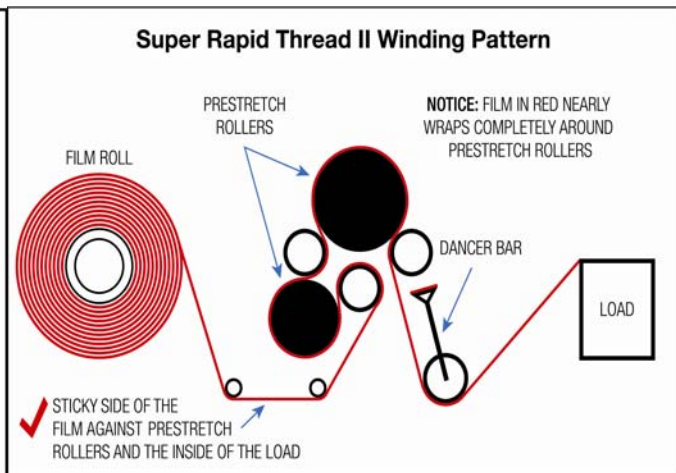


FIGURE 2



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

The **SUPER RAPID THREAD II** requires no tuning!!



## **A-ARM AUTOMATION FEATURE:**

The **A-Arm** device automatically attaches and cuts the stretch film.

*“All Electric – No Pneumatics Required”*

The “*patented*” Cousins exclusive **A-Arm** film cut and hold device starts and ends the wrap process at the top of the load. This unique and different approach to attaching and cutting the stretch film provides you with these benefits:

Cousins smart engineering has developed an advanced cut and hold device, “*the A-Arm*”. It provides significant productivity gains and safety benefits. This technology is only available on a Cousins Machine.



- Selectable top banding capability
- Stabilizes the load early in the wrap cycle
- Places the ending film tail at the top of the load instead of the bottom
- There is no film clamp on the turntable that can be damaged by debris or operator error.
- Load placement on the turntable is not critical
- No air hook-ups or noisy compressors
- **New Automatic First Revolution Load Scanning Safety Feature detects uneven or partially stacked top layers and automatically adjusts the A-Arm height clear of obstructions**
- **A-Arm Anti-Fall Safety Device**
- **Ingenious and simplified engineering will give you years of reliable and problem free operation**



## Select the model below that best fits your requirements.

**OFF-LINE :** Installed as a stand-alone system with the loads being brought to and from the system by forklifts. Cycle start is initiated by the operator.

**IN-LINE:** Installed in-line with conveyors or equipment provided by others. Cycle start is initiated by a signal sent to the 3300-A control panel from another source. Since this system starts automatically, the safety fencing option is required.

MODEL	DESCRIPTION	BASE PRICE
3300-A	<b>Powered Turntable Conveyor with 5' Gravity Outfeed</b>	<b>\$ 22,990</b>
OFF-LINE	<p><b>SEQUENCE OF OPERATION FOR 3300-A:</b>  <i>Pallet is positioned on the turntable by forklift, operator initiates cycle start from the forklift using the standard pushbutton pendant, wrapped load is automatically conveyed to the non-powered gravity outfeed section so that the turntable is clear and ready to accept the next load.</i></p> <p><b>IMPORTANT! The basic 3300-A cannot be installed in-line with conveyors supplied by others. It does not have the necessary infeed transition rollers or logic.</b></p>	
3300-A1	<b>Powered Turntable – Center Section Only</b>	<b>\$ 24,900</b>
OFF-LINE	<p><b>SEQUENCE OF OPERATION FOR 3300-A1:</b>  <i>Pallet is conveyed to the turntable by conveyors provided by others and starts wrap cycle, wrapped load is automatically conveyed to the outfeed conveyor provided by others so that the turntable is clear and ready to accept the next load.</i></p> <p><b>NOTE: For in-line operation add the “In-Line Automation Package” option</b></p>	
3300-A2	<b>Powered Turntable Conveyor with 5' Powered Infeed &amp; 5' Gravity Outfeed</b>	<b>\$ 28,480</b>
OFF-LINE	<p><b>SEQUENCE OF OPERATION FOR 3300-A2:</b>  <i>Pallet is positioned on the infeed conveyor by forklift, operator initiates cycle start from the forklift using the standard pushbutton pendant, load is conveyed to the turntable and starts wrap cycle, wrapped load is automatically conveyed to the non-powered gravity outfeed section so that the turntable is clear and ready to accept the next load.</i></p> <p><b>NOTE: For in-line operation add the “In-Line Automation Package” option</b></p>	
3300-A3	<b>Powered Turntable with 5' Powered Infeed &amp; 5' Powered Outfeed Conveyors</b>	<b>\$ 33,030</b>
OFF-LINE	<p><b>SEQUENCE OF OPERATION FOR 3300-A3:</b>  <i>Pallet is positioned on the infeed conveyor by forklift, operator initiates cycle start from the forklift using the standard pushbutton pendant, load is conveyed to the turntable and starts wrap cycle, wrapped load is automatically conveyed to the powered outfeed section so that the turntable is clear and ready to accept the next load.</i></p> <p><b>NOTE: For in-line operation add the “In-Line Automation Package” option</b></p>	



## PRICING SUMMARY:

**SELECTED MODEL:**

<b>INSERT SELECTED MODEL NUMBER:</b> 3300-	<b>INSERT BASE PRICE:</b>
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**REQUESTED OPTIONS:**


<b>TOTAL SYSTEM PRICE INCLUDING REQUESTED OPTIONS:</b>	
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**ADDITIONAL AVAILABLE OPTIONS FOR YOUR CONSIDERATION:**

A	In-line Automation Package-modified to be in-line with conveyors provided by others – includes interface relays and the safety fencing option (option D below)	\$ 3,220
B	Starter spare parts kit	\$ 1,450
C	Tower extension for 110" wrap height capability (OEWH-MX-110)	\$ 990
D	Safety fencing with electrically interlocked operator gate (req'd for in-line systems)	\$ 2,200
E	Lanyard pull switch in place of standard pendant (mounts to ceiling)	\$ 260
F	Wireless remote start/stop control in place of standard pendant-includes one transmitter	\$ 395
G	Additional transmitter for the wireless remote option	\$ 95
H	Non-standard voltage 208Y/120 Volts 3 phase 60 Hz	\$ 500
I	Non-standard voltage 230V or 460V 3 phase (specify voltage)	\$ 1,350
J	Allen-Bradley MicroLogix 1400 PLC in place of standard Panasonic FP-X	\$ 1,700
K	Load/unload forklift safety photo-eye and logic	\$ 680
L	Any additional 5' powered infeed or outfeed conveyor section, per section <i>This option may require a non-standard voltage option for increased electrical demand.</i>	\$ 4,550
M	Delete standard 5' gravity outfeed conveyor if not required <i>Contour transition rollers &amp; outfeed full photo-eye are retained</i>	(\$ 450)

**Notes:**

1. Installation by others
2. Factory start-up tech available @ \$ 750.00 day plus expenses - billed separately – allow minimum two days.



## STANDARD TERMS AND CONDITIONS

### TERMS:

- ❑ 1/3 down payment with order, 1/3 prior to shipment, balance net 30 days after shipment on approved credit (OAC) - receiving company federal ID#, contact name & phone number required with order. These terms may change at the discretion of our accounting department.

### TAXES:

- ❑ Applicable taxes not included.

### FOB POINT:

- ❑ Factory – Toronto, Ontario (Canada). Freight prepaid and added to invoice.

### SHIPMENT:

- ❑ Approximately 8 - 10 weeks from receipt of order and down payment (and approved drawings if applicable). Addition of options may add to lead-time. This lead-time is based on current production conditions and can change without notification.

### START-UP SUPERVISION:

- ❑ Start-up supervision is highly recommended for in-line conveyORIZED automatic systems such as the 4100-45-OHA, 6100-CTA & 7100-OHA, and is available for \$750 per day plus expenses. Two days on-site are typically sufficient. Weekend start-ups will incur extra charges.

### WARRANTY:

- ❑ Lifetime on blue pre-stretch rollers, 5 years on metal fabrications and 3 years on buyout components. (see below).

### PRICE PROTECTION:

- ❑ All prices are valid for thirty (30) days from date of quotation.

## STANDARD MACHINE WARRANTY

Effective May, 2011

All components used in the manufacture of pallet wrap equipment and associated parts by Cousins Packaging are warranted to be free from defects in material and workmanship for a period from date of shipment as follows: lifetime on blue pre-stretch rollers, five (5) years for metal fabrications manufactured by Cousins Packaging and three (3) years for buyout components (items purchased by Cousins). Cousins Packaging will, at its sole discretion, repair or replace any defective components.

Not covered by this warranty is normal wear of components such as, but not limited to; belts, chains, fuses, bulbs, etc., or misuse or abuse of the machine or any components thereof. As well, parts returned without the prescribed paperwork will not be covered by this warranty. Labor to remove or repair any component is also not covered by this warranty. Damage in transport is the responsibility of the carrier and is not covered under our warranty.

Except as stated herein, Cousins Packaging makes no other warranty, expressed or implied, nor does it assume or authorize anyone else to assume for it, any other obligation relating to Cousins' machinery or equipment. This warranty does not apply to equipment that, in the opinion of Cousins Packaging, has been subjected to misuse, neglect, or has been repaired or altered by unauthorized personnel. All defective parts must be returned in their original state. Defective parts that have been disassembled or damaged during removal or otherwise tampered with will not be covered under warranty, unless otherwise stated in writing by Cousins Packaging. Cousins Packaging makes no warranty as to fitness of equipment for particular purposes. Cousins Packaging Inc.'s sole obligation under this warranty will be to provide for repairs to components or replacement of parts, FOB Cousins Packaging Inc., Etobicoke, Ontario, Canada.