DATE:

PROPOSAL FOR:

ATTENTION:
COMPANY:
ADDRESS:
CITY, STATE, ZIP CODE:
FROM DISTRIBUTOR / SALES CONTACT: TJ's Packaging, 763-241-2022, orders@tjpackaging.com

MODEL LP2100-SRT

SEMI-AUTOMATIC LOW PROFILE TURNTABLE

UNIQUE SEMI-AUTOMATIC PALLET WRAPPER EXCLUSIVELY FROM COUSINS PACKAGING

- The **LP2100-SRT** is one of **the most popular and affordable semi-automatic** machines.
- Includes as standard **a unique control package with an easy-to-use HMI operator interface** to customize separate wrap patterns for different loads. Provides **visual diagnostics for quick and easy troubleshooting.** Program reduced force-to-load (tension) on sharp corners of the pallet to avoid film breakage.
- **The Load Cell Film Delivery powered Pre-stretch film carriage** with load cell **corner compensation - for smooth and correct film dispensing**. Includes safety door with auto power cut-off switch for safe and easy film threading.
- **Options available** for most special applications including **scale packages, large loads, different environments, auto film cutting, roping device to secure the load to the pallet**, etc.



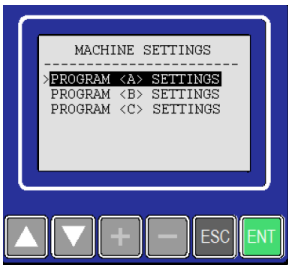


PRICING SUMMARY

PRICES SHOWN ARE IN UNITED STATES CURRENCY

MODEL	*DESCRIPTION*	*SHIPPING WEIGHT*	*BASE PRICE*
LP2100-SRT	Semi-Automatic – Low Profile - BASE UNIT	1200#	$ 9,900*

*** This price does not include the ramp for pallet jack loading**

❖	Innovative controls with 3 separate wrap patterns, each with its own individual setting for: - different top and bottom wrap count - different force-to-load settings - different spiral speed settings - different settings for a variety of load types Includes LCD operator interface with visual helpful diagnostic capability for trouble shooting assistance. Can be Programmed to reduce force-to-load (tension) at the bottom so the film will not break on sharp pallet corners. 	Included
❖	Heavy duty rugged surround deck to protect the turntable	Included
❖	Maintenance free 36 roller bearing turntable support design – no steel on steel contact	Included
❖	All AC motors	Included
❖	Forklift lifting tubes front and rear for easy portability	Included
❖	All motors, gearboxes and cables are fully enclosed and guarded for added protection and personnel safety	Included
❖	LOAD CELL FILM DELIVERY Corner Compensation - for smooth and correct film dispensing	Included
	REQUESTED OPTIONS	
	None Requested	

TOTAL MACHINE PRICE WITH REQUESTED OPTIONS:	**$ 9,900**
LEAD TIME: Subject to confirmation at time of order. Lead times are from receipt of order, payment, and approval drawings if applicable. Addition of options or changes to the order will add to the cost and lead time. Lead time is based on current production conditions and can change without notification. THE PROJECTED SHIP DATE WILL BE PROVIDED WITH ORDER CONFIRMATION.	**To Be Determined**

Base unit price shown. Options must be configured - call TJ's Packaging at 763-241-2022 or email orders@tjpackaging.com for pricing.

SPECIFICATIONS

Cousins Packaging machines utilize non-proprietary UL/CSA approved parts where feasible. The equipment is designed and built to conform to NFPA 70 NEC and NFPA 79 Electrical Standard for Industrial Machinery.

PRODUCTION SPEED:

- Up to **35 loads per hour**

NOTE: Process rates will vary with load size, number of wraps & forklift load/unload time

LOAD CAPACITY:

- Maximum load weight: 4000# dynamic – 10,000# static
- Maximum load size to safely clear the tower: 50" x 50" (71" diagonal) x 82" H

LOW PROFILE TURNTABLE:

- 57" Diameter laser-cut steel plate with surround deck protection
- Maintenance free - 36 roller bearing support system
- Turntable height 2.813" from floor
- ANSI # 50 direct chain drive c/w chain tensioner
- Between 3 and 12 RPM rotational speed c/w soft start acceleration
- 1/2 HP AC variable speed motor
- Final revolution deceleration and positive stop alignment
- Rugged surround deck for turntable protection, 3 sided loading and pit mounting
- Accu-Count exact turntable positioning system for additional film savings.
- Optional loading ramp 60" long x 48" wide complete with 10" level porch area available

FILM CARRIAGE ELEVATOR:

- 1/2 HP AC variable speed motor
- ANSI #40 direct chain drive c/w shock dampener & Anti-Fall Safety Device

FILM DELIVERY SYSTEM:

- LOAD CELL FILM DELIVERY 20" capacity powered pre-stretch film carriage
- Load cell corner compensation for smooth and correct film dispensing
- 1/2 HP AC variable speed motor
- 33% to 313% fixed stretch capability
- Pre-stretch ratio variable using easy sprocket change
- Safety Door with auto power cut-off switch
- Superior film-to-roller contact area
- Lifetime warranty on pre-stretch rollers
- Carriage Descent Obstruction Safety Shut-Off Device

CONTROL FEATURES:

- Electronic controls with LCD operator interface
- Power Off – On – Reset switch & Power On indicator light
- Single button Auto Wrap Cycle Start/Pause
- Cycle Pause for applying top sheets
- Reinforce Wrap control for mid-wrapping
- Base or Top Wraps First program
- Up Only or Up/Down wrap program
- Emergency Stop button
- Turntable Jog button
- Film Carriage Lower & Raise buttons
- Film Tension (Force-to-Load) control
- Separate film carriage raise & lower speed controls
- Operator programmable turntable speed control
- Triple beam automatic load height detection sensor for 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
- Cycle counter
- A – B – C wrap program selector with capability to input and store unique wrapping parameters for each program
- PASSWORD PROTECTION - Wrap program setting can be password protected when ordered from the factory (must be specified on the PO)

STRUCTURAL FEATURES:

- All structural and formed steel construction
- Forklift truck portable base structure design – lifting tubes included for front and rear access
- Electro-static powder coated paint finish

ELECTRICAL INPUT REQUIREMENTS:

- 115 Volts 1 Phase 60 Hz 15 Amps with dedicated service

AUTOMATIC FILM CUTTER (option OAFC)



The operator normally has two functions:

- **Attach the film to the load and start the wrapping cycle by pushing a button.**
- **When the wrap cycle is completed, cut the film, and dress the film tail either by wiping or tucking.**

The Automatic Film Cutter device eliminates the need to cut the film, saving the operator a trip off the forklift
The benefits are:

- **If loading by forklift, the number of times the operator is required to get off and on the lift is reduced 50%. This option could eliminate approximately 6.500 trips a year when wrapping only 25 pallets a day. If using manual pallet jacks or forklifts or both, the number of times the operator is required to bend over to cut the film is reduced 50%. This option saves time and reduces the possibility of injuries caused by continuous bending over.**

NOTE: This option cannot be combined with OAFS – Auto Start Option

PALLET LOCK ROPING DEVICE (option OPLRD)





The most effective method of securing the load to the pallet or skid. Easily programmed using the standard Microprocessor and touchscreen to apply the roped or normal full web film for the following benefits:

- **Lock, secure and contain product to the pallet especially unusual shapes**
- **Prevent the film from tearing on sharp pallet corners**
- **Increase load containment where necessary without breaking the film**
- **Create air flow and ventilation for your product**
- **Includes a quiet, self-contained, and guarded air compressor.**

Standard Roping programs:

- **Rope Base off/on Base Roping Revolutions (0-9)**
- **Rope Ascending off/on**
- **Rope Top off/on**
- **Top Roping Revolutions (0-9)**
- **Rope Descending off/on**

All custom roping applications must be reviewed and quoted by engineering.

OPERATOR SAFETY IS A PRIORITY

OUR MACHINE DESIGNS INCORPORATE MORE SAFETY FEATURES THAN ANY OTHER PALLET WRAPPER

- No exposed cables or wires
- Carriage Anti-Fall Device – in case of chain malfunction the film carriage cannot fall
- NEMA 12 control panel
- Descent Obstruction Plate - stops the film carriage descent if an obstacle is detected



- Changing the film is made safe - all power is shut off when the door is opened
- No pinch points between the tower and the turntable
- Film carriage is safely mounted on opposite side of tower away from the control panel
- All motors/gearboxes fully enclosed and guarded

WHY AUTOMATION IS A CLEAR CHOICE FOR SAFETY AND COST BENEFITS

The numbers below represent the total annual estimated amount of times an operator will get on or off the forklift in a year dependent upon the number of loads. At a miniscule 25 loads a day, the operator will get on or off the forklift between 13 000 and 26 000 times a year. At least 13 000 times, the operator will be required to stoop for an extended period of time to attach the film to the pallet or cut the film.

Loads/Day		(# Times Off	+	# Times On)		5days x 52weeks		Annual Total
25	X	(1 or 2	+	1 or 2)	X	260	=	13,000 - 26,000
50	X	(1 or 2	+	1 or 2)	X	260	=	26,000 - 52,000
75	X	(1 or 2	+	1 or 2)	X	260	=	39,000 - 78,000



A *SAFE* Investment

The cost of a fully automatic Cousins Model A-Arm is not much more than a good semi-automatic machine and the safety benefits provided are a *SAFE* investment.

CONTACT TJ'S PACKAGING FOR A QUOTE ON THE UNIQUE AND PATENDED FULLY AUTOMATIC A-ARM

WRAP AND WEIGH MACHINES

NEED TO WEIGH YOUR PRODUCT?

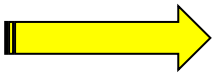
COMBINE TWO OPERATIONS INTO ONE LOCATION SAVING MONEY, TIME, AND SPACE

The average time to move a pallet to the scale and then move it again to a wrapper is 4 minutes.

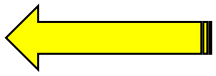
- scale or load cell options will save $ 6,000 to $ 8,000 in labor per year at only 25 loads per day!
- combining two operations regains the use of approximately 100 sq. ft. of valuable floor space!

STAND ALONE SCALE









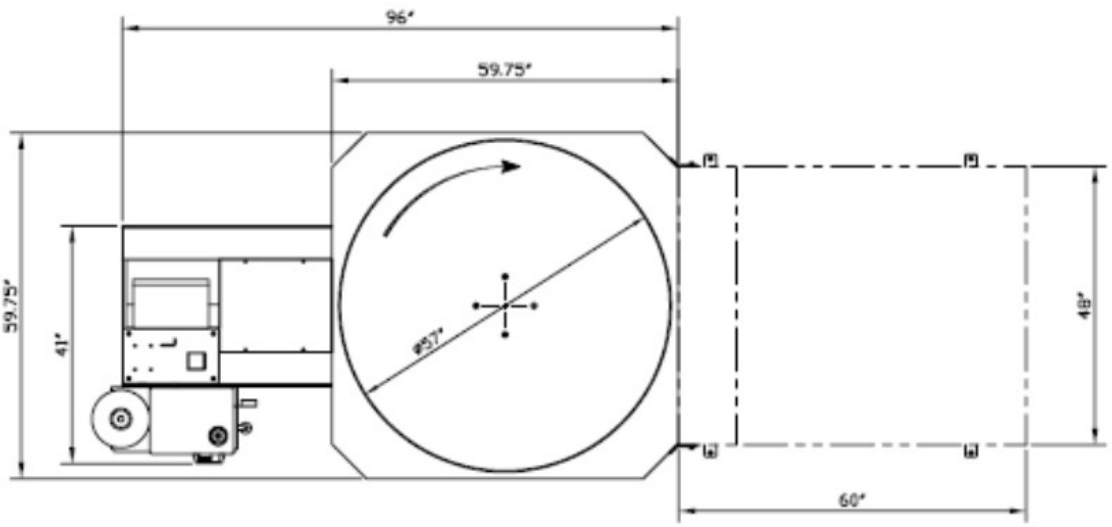
STAND ALONE PALLET WRAPPER

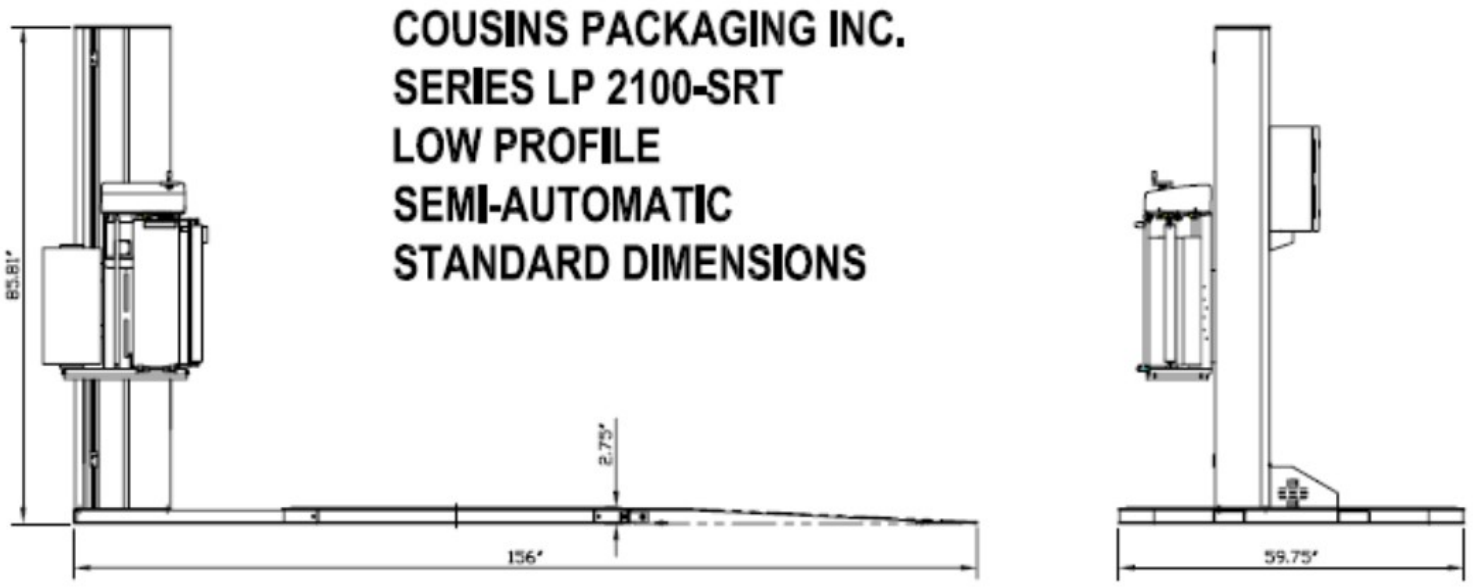


HP2100-SRT WITH SPLIT BASE AND INTEGRATED PLATFORM SCALE OPTION

STANDARD MACHINE LAYOUT DRAWING

NOTE: Standard machine not including options such as base extensions, scale packages, tower extensions, etc.





COUSINS PACKAGING HAS THE SOLUTION



Our standard line of pallet wrappers is designed to satisfy most applications but if needed, we can provide a time-tested and dependable option for any of your specific and/or unusual wrapping requirements. The standard machines can be equipped with options to handle larger, taller, heavier and unusual, shaped loads. They can be designed to be used with standard or special material handling equipment. All environmental conditions can be met with options such as dusty, wet, cold, freezer and even explosion proof requirement packages.

ENGINEERED SYSTEM LINKS

Need a solution to a specific requirement or an engineered system?

Engineered System to Meet 3.5" Conveyor Height **– customer requested 3.5" conveyor to be loaded with pallet jacks without the aid of a scissor lift or an expensive pit that creates safety issues.**
3.5" Conveyor Passline Height for Pallet Jack Loading

Engineered System to Wrap Specific Products such as Concrete Blocks **– designed for the specific product**
7100 Wrapping Concrete Blocks

Automatic Top Sheet Dispensers **– protects the top of the load providing 5-sided load protection.**
6100 with top sheet dispenser and tab folders

Roping devices- **for added strength and/or allows air flow for products that need to breathe.**
Manual Roping Device

Roll (Cocoon) Wrappers **– completely encapsulates rolled products.**
Roll (cocoon) Wrapper

Window/Door Wrapper **– wraps individual windows or doors for added protection.**
Window/Door Wrapper

Heat Seal Device **- secures the film tail to keep it from unraveling during shipment.**
Heat Seat Device

Tab Folders **– folds up slip sheet tabs so they are captured by the film to protect against forklift damage.**
6100 with tab folders

Load Lifting Device **– lifts the load to insure the film wraps the entire pallet or to secure a tray/slipsheet.**
7100 with load lifting device

Systems with Unusual Product Flow **– product flow to satisfy space requirements or existing plant layout.**
3300-CTA with 90 degree outfeed

Explosion Proof Systems **– designed to meet plant environmental conditions or government regulations.**
3300-A explosion proof system

Auto Film Start **– cut the times the operator has to get off the forklift by 50% reducing injury risk.**
Auto Film Start and Manual Roper

SecurLoad **– one of our roping device options that can secure unusual shaped product to a pallet.**
SecurLoad Automatic Roping Device

Manual Roping **– the simplest way of using a rope for added strength or allowing product to breathe.**
Auto Film Start and Manual Roper

STANDARD TERMS, CONDITIONS AND WARRANTY

TERMS: Credit card or 100% due prior to shipment.

TAXES:

Applicable taxes not included.

FOB POINT:

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

SHIPPING PREPARATION:

Domestic – standard machines are wrapped in plastic and shipped upright. Machines with tower extensions are hinged and partially knocked down. No wood is used. Crating/palletizing is a factory quote.

International – All towers are completely knocked down to reduce shipping cost. There is a $150 net charge for this package. Export crating is not included. Crating/palletizing is a factory quote. Crating/palletizing does not take into account any unknown wood requirements or restrictions which may increase the cost of materials. Customer must provide any wood requirements or restrictions that apply for a factory quote.

SHIPMENT:

Quoted lead time is from receipt of order, payment, and approved drawings if applicable. Addition of options or changes to the order will add to the cost and lead time. The lead time is based on current production conditions and can change without notification.

START-UP SUPERVISION:

Start-up supervision is available for $1,200 per day ($150/hour) plus expenses (including a 10% administration fee). Two days on-site are typically sufficient. Weekend and overtime start-ups will incur extra charges.

WARRANTY:

Includes lifetime on blue pre-stretch rollers, 5 years on metal fabrications and 3 years on buyout components. See "Standard Machine Warranty" included in this proposal for complete warranty coverage terms and conditions.

PRICE PROTECTION:

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

CANCELLATION:

On all cancelled orders the buyer shall compensate Cousins Packaging for its performance, commitments and damages as follows:

1) Normally stocked items and standard semi-automatics without options – the buyer shall pay Cousins Packaging a cancellation fee determined by Cousins Packaging not to exceed 25% of the purchased price.
2) Semi-automatics with options, automatic systems, and special machines – the buyer shall pay all engineering, labor, and material costs used or committed to by Cousins Packaging plus 10% of the full purchase price. In no event shall the full amount exceed the purchase price.

STANDARD MACHINE WARRANTY

Effective September 2016

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). Bought-out commercial OEM assemblies including lift-tables, air compressors, etc. are covered by the OEM's warranty. 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., Mississauga, Ontario, Canada.

INSTALLATION/START-UP CUSTOMER RESPONSIBILITIES:

- ❖ Unload, unpack and inspect the equipment for any freight damage (apparent or hidden). If There is damage the Bill of Lading will need to be signed, noting the damage. You will then need to file all necessary freight claims with the appropriate carrier.
- ❖ Remove all interfering equipment and clear the area where the equipment is to be installed.
- ❖ Assemble / erect subject equipment.
- ❖ Furnish all electrical wiring and connections per system requirements.
- ❖ Furnish any air connections if required.
- ❖ Integrate with any existing upstream and/or downstream equipment.
- ❖ Provide qualified technicians, operators, and maintenance personnel to start-up system.
- ❖ Lag system to the floor.

NOTES:

1) This work must be completed prior to the arrival of a technician if start-up supervision has been requested.
2) All start-up and training costs must be covered under a separate purchase order at prevailing rates. It is easier to track time, expenses, and materials.
3) Please allow a minimum of four (4) weeks for Scheduling start-up of systems.