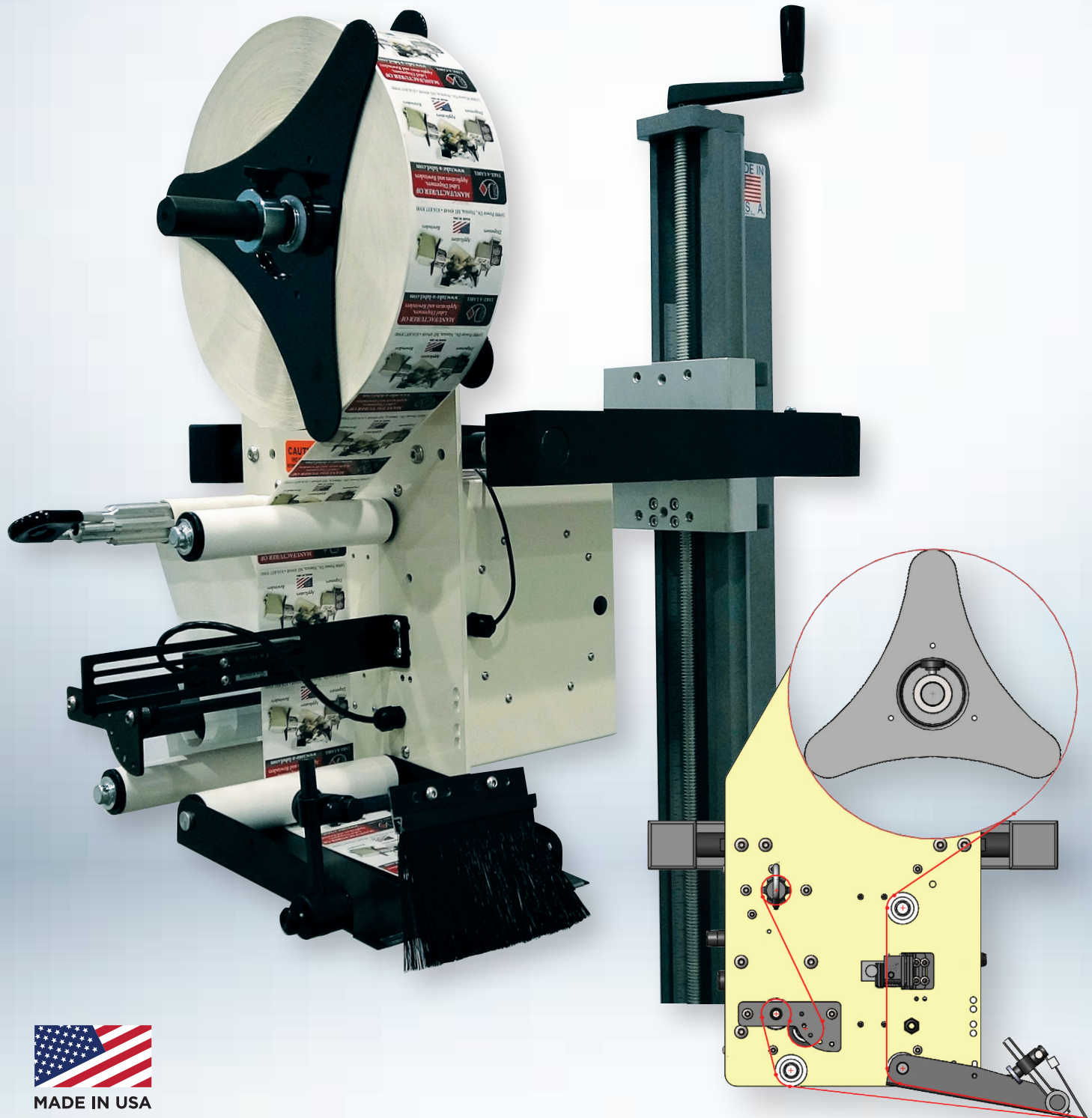
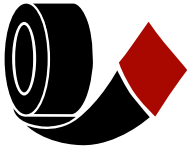


TAKE-A-LABEL

Operations Manual TAL-3100W

Wipe-On Applicator





1. Mount the TAL-3100W on an appropriate mounting stand. Be sure to mount the labeler using only the mounting holes.
2. Plug the TAL-3100W directly into a 110 VAC 15-amp Grounded outlet. Extension cords may result in improper labeler operation and are not recommend by Take-A-Label, Inc.

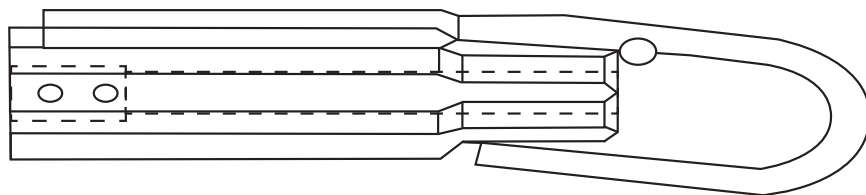
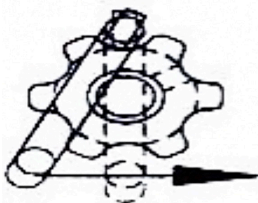
Scan the QR Code below to see
helpful setup videos or at
www.take-a-label.com



LABEL THREADING

1. Remove outer unwind disc (46), install new roll of labels, and replace outer disc (46).
2. Pull label web under the first idler roller (20A), and through photo eye (14). Continue pulling the web downward and thread between bottom of roller (20C) and the top of the peel plate (43).
3. Pull the web back under the peel plate (43), pulling toward the rear of the machine.
4. Keep the liner under the last idler roller (20B), pulling web up and wrapping over the drive roller (29), and down between the drive roller (29) and pinch roller (18). Then up to the waste wind shaft (2). **NOTE:** The pinch poller (18) is spring loaded. Slight pressure will be needed to separate the pinch roller from the drive roller for threading.
5. Install waste wind clip (45) on waste wind Shaft (2) pinching the webbing between the shaft and the clip.

Illustration of waste wind shaft and clip shown below.

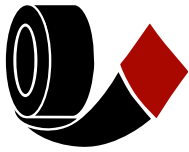


TAL-3100W

TEACHING THE PHOTO EYE

1. It is recommended that you teach the photo eye (14) with every new roll of labels used.
2. Remove one label from the webbing and place the webbing only in the photo eye.
3. Press and hold the “Normal” button on photo eye for 3 seconds. When the lights finish flashing the photo eye is taught.





LABEL SPEED:

In order to apply labels properly, the TAL-3100W must dispense at the same speed as the product moving under it. **NOTE:** Calibrate label speed first, calibrate Label Advance second, Label Advance will change if speed changes.

1. The Label Speed and Product Detection dials are located on top of the labeler's control housing.
2. Use the Label Speed +/- dial to increase or decrease the speed the label is dispensed.
 - a. Increase the speed if the product is pulled off the conveyor, or the product drags back as the label is dispensed, or the backing paper is pulled off the labeler.
 - b. Decrease the speed if the label wrinkles as it is applied.



PRODUCT DETECTION DELAY:

1. Set the Product Detection dial to the – as far as it will rotate.
2. As the dial is turned clockwise (+ side), the length of delay before a label is dispensed will increase.

TAL-3100W

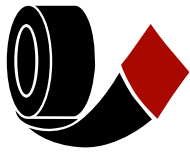
LABEL ADVANCE SETUP

NOTE: Do not set up the Label Advance before setting speed, Label Advance will be thrown off due to speed changes.

The label advance potentiometer resides on top of the TAL-3100W electrical housing. The purpose is to adjust the stopping position of the label with respect to the peel plate. With the label advance pot turned all the way counterclockwise (-) the photo eye will stop the applicator instantly when it senses a gap. By rotating the potentiometer clockwise toward the + the applicator will delay longer before stopping.

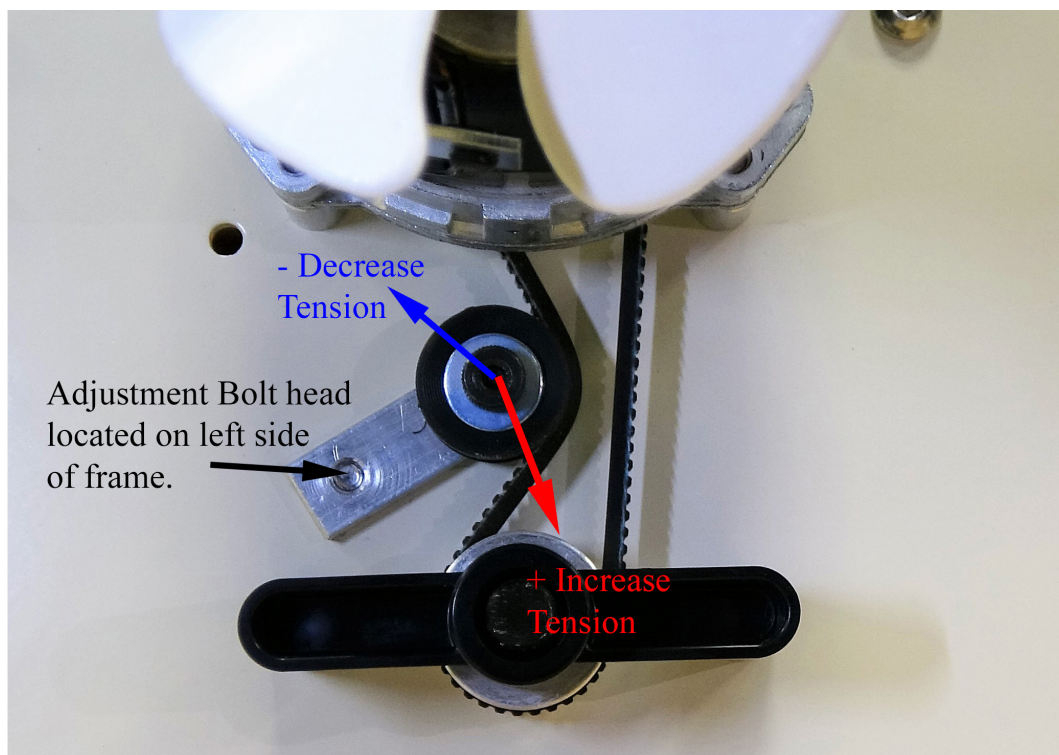
1. To setup the label stop position, rotate the label advance pot counterclockwise to the - as far as it will rotate.
2. The goal is to have the applicator stop with a label gap right at the peel edge.
3. Activate the applicator and watch the dispensing label. If the label does not advance far enough turn the label advance pot slightly to the +, and repeat until one label is completely dispensed and the next label is stopped at the peel edge.





The pulley tension is set at the factory. It is set with moderate tension on the belt.

TO ADJUST: Find the head of the adjustment bolt on the opposite side of the frame. Loosen it and rotate the belt tensioner. Rotating to the + (Illustrated by the Red Arrow) will increase the tension. Use this adjustment if the waste liner is not being rolled up. Rotating to the - (Illustrated by the Blue Arrow) will decrease the tension. Use this adjustment if the waste liner is breaking or stalling the label applicator.



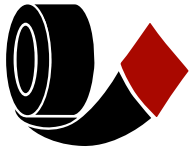
TAL-3100W

RECOMMENDED SPARE PARTS LIST

Item#	Description	#	Item#	Description	#
31002	Pinch Roller	1	31343	Circuit Board	1
21013	Waist wind Clip	1	72618	Unwind Felt Washer	1
45136	Unwind Disc	2	45157	Main Fuse	1
30031	Motor	1	31375	Peel Edge Cover	1
30106	Photo Cell Label Sensor	1	21027	Left Hand Torsion Spring	2
31267	Drive "V" Belt	1	21028	Right Hand Torsion Spring	2



Depending on frequency of use and importance of the machine function, this list may need to be modified to include more items or higher quantities of each part to prevent any down time.

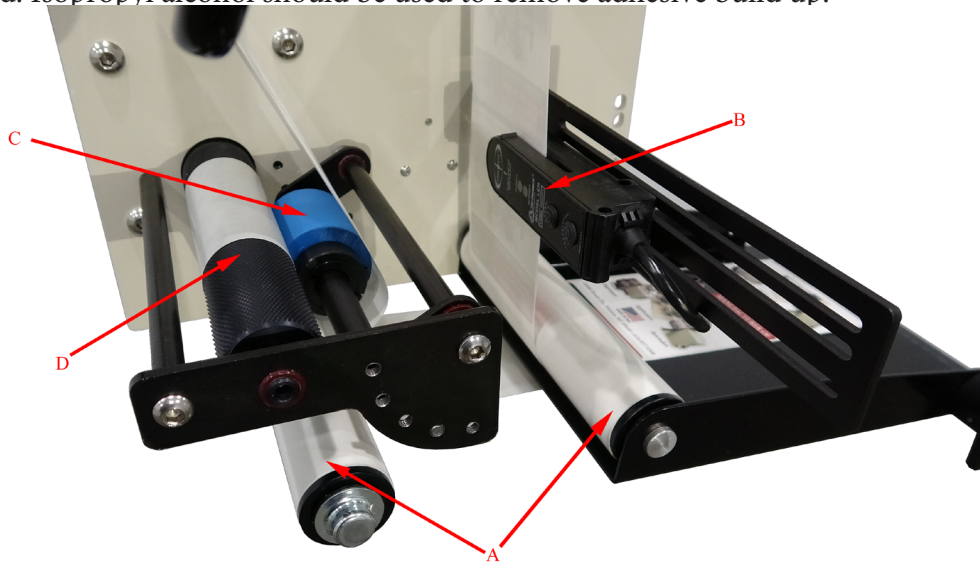


A. Idler Rollers: The rollers should be cleaned and checked for wear every 500 hours of operation. The rollers can be cleaned with a mild detergent or Isopropyl alcohol.

B. Photo Eye: The photo eye should be checked each time the unit is retreaded. Wipe with damp cloth if needed, **DO NOT** use Isopropyl alcohol to clean.

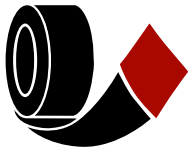
C. Pinch Roller: The pinch roller should be inspected for unwanted debris every time the system is re-threaded. Isopropyl alcohol should be used to remove adhesive build up. Note: never use a knife or any other sharp object to remove labels or adhesive, damage to roller will occur.

D. Drive Shaft: The Drive Shaft should be inspected for unwanted debris every time the system is re-threaded. Isopropyl alcohol should be used to remove adhesive build up.

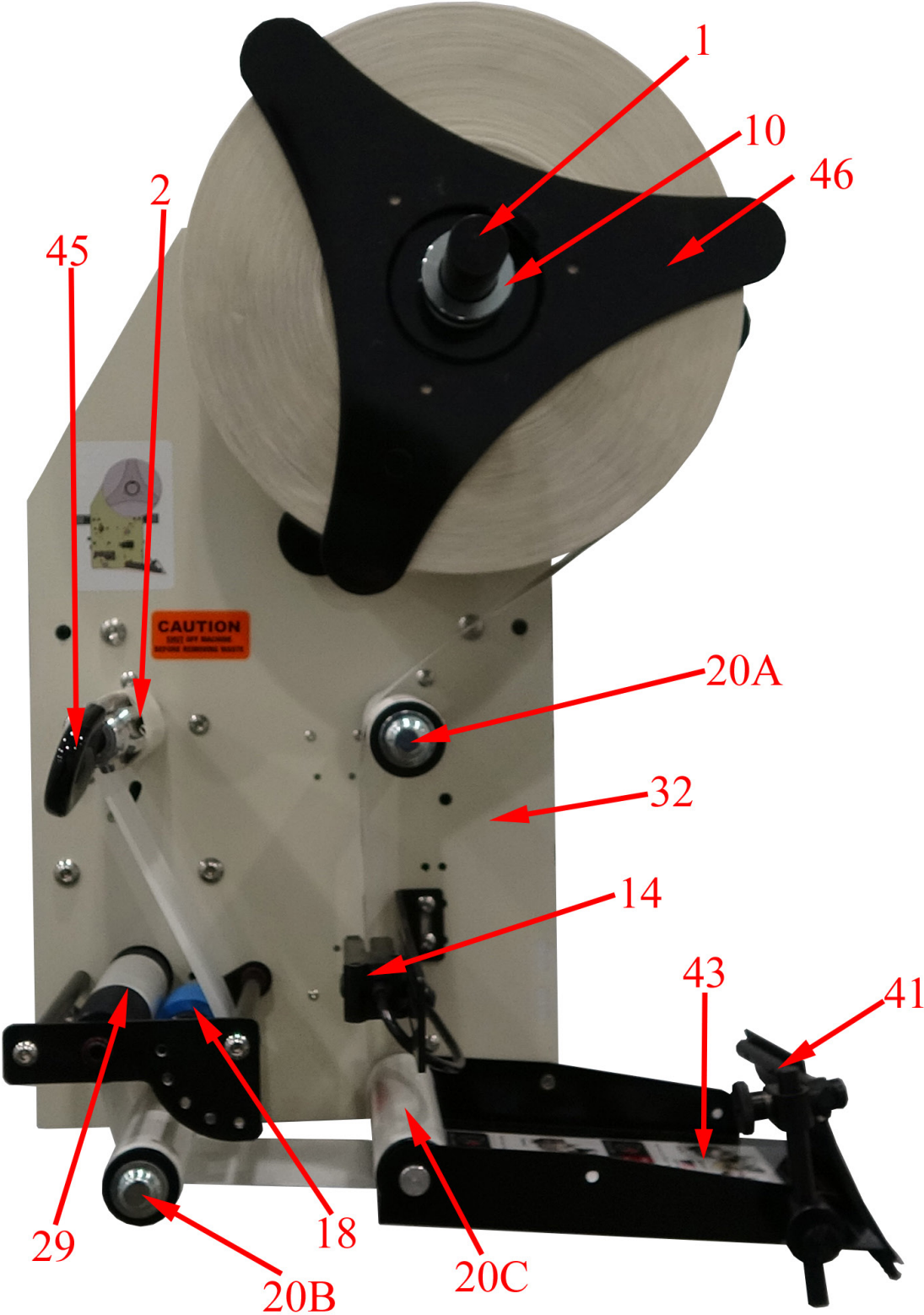


Peel Plate: The peel edge should be inspected for wear every 500 hours of operation and for adhesive buildup every time the system is rethreaded. Also check for adhesive on the brush.





TAKE-A-LABEL



TAL-3100W

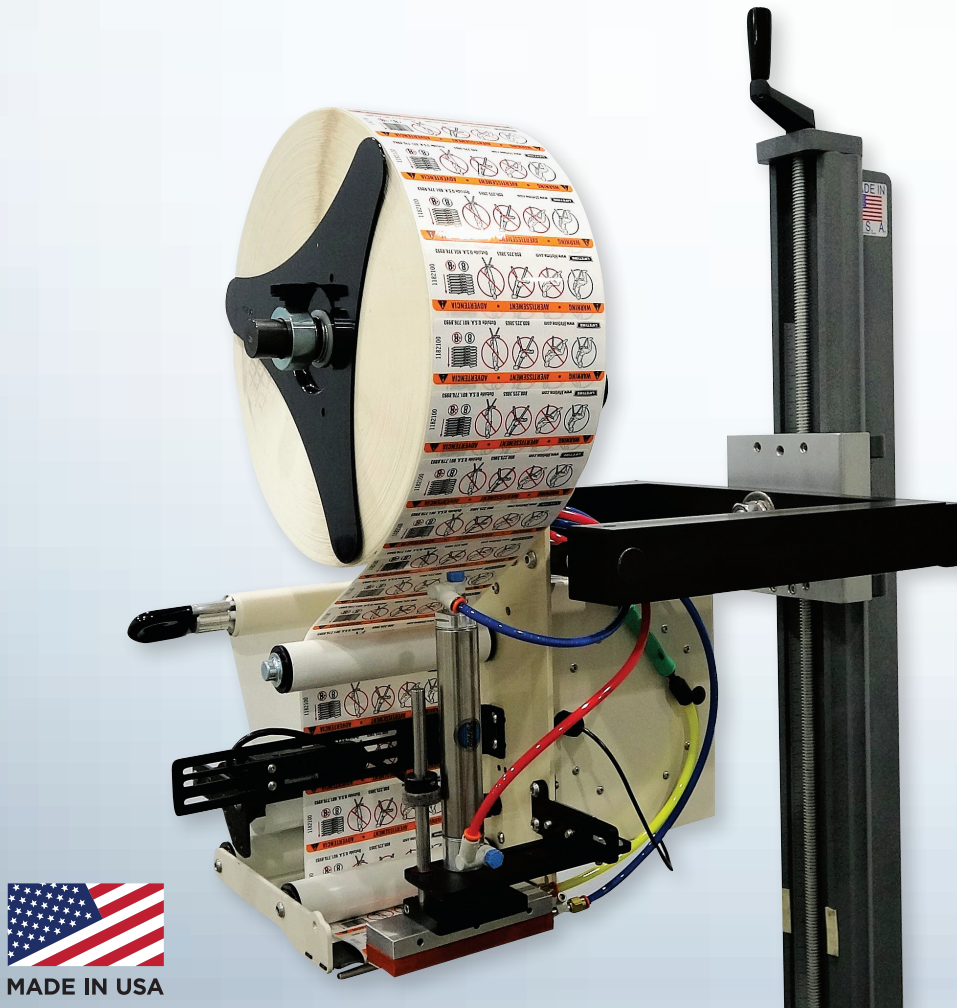
PARTS LIST

Item#	Description	#	Item#	Description	#
11008	Unwind Shaft	1	31142	Motor Spacers	31
11016	Waste Wind Shaft	2	31143	TAL-3100C/W Frame	32
21004	Outboard Support Plate	3	31267	V Belt	33
21010	Pinch Roller shaft 5" web	4	31282	V Belt Tensioner	34
21012	3" Drive Shaft	5	25212	Power Cord	35
21027	Left Torsion Spring	6	31343	Control Board	36
21028	Right Torsion Spring	7	31370	Guide Clamp	37
25112	Unwind Washer	8	31373	V Belt Pulley	38
25113	Unwind Spring	9	31380	V Belt Tensioner Roller	39
26001	Unwind Collar	10	31501	Brush/Holder	40
26002	Unwind Hub	11	31504	Brush Holder Rod	41
30031	Motor and Driver	12	31505	Brush Pivot Block	42
30074	Shaft Collar	13	31509	Peel Plate	43
30106	Tri-Tronics Photo Eye	14	40007	On/Off Switch	44
30208	Product Photo Eye	15	21013	Waste Wind Clip	45
30652	Set Screw	16	45136	Unwind Disc	46
30653	1/2-13 BHSCS	17	45155	Fuse Holder	47
31002	Pinch Roller	18	45157	Fuse Holder	48
31003	Outboard Support Shaft	19	45161	Spade Connector	49
31006	Idler Roller (A, B, C)	20	45176	Hex Nut 10-32	50
31009	Pinch Roller Side Plate	21	45183	10-32 x 1/2 Screw	51
31015	Plastic Bearing	22	45205	Wire Joint	52
31017	Bushing Long	23	25211	IEC Outlet	53
31029	Bushing Short	24	81830	Shaft Caps	54
31047	Photo Eye Bracket	25	81912	Small Cord Grip	55
31140	Housing	26	45175	10-32 x 3/8 B.H.C S	56
31141	Housing Cover	27	31506	Pivot Block Rod 4"	57
31060	Rewind Bracket	28	72618	Felt Washer	58
31102	Drive Roller	29	31416	Label Advance Knob	59
31147	Name Plate Label	30	31417	Label Advance Pot with Wires	60

ALSO AVAILABLE FROM TAKE-A-LABEL, INC.

Do you need to label bags, boxes
or other flat products?

TAL-3100C
Tamp Applicator



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