

OPERATION MANUAL



A fully automatic labeler for round containers
with exceptional speed, flexibility and dependability

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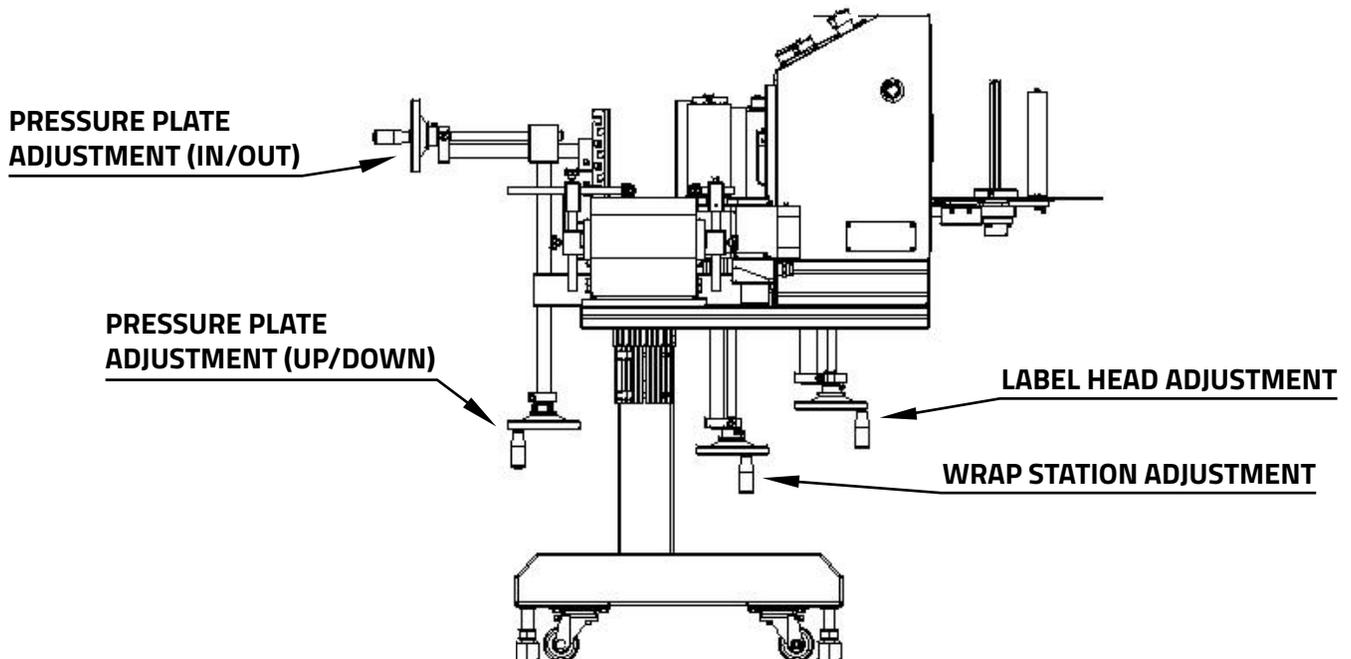
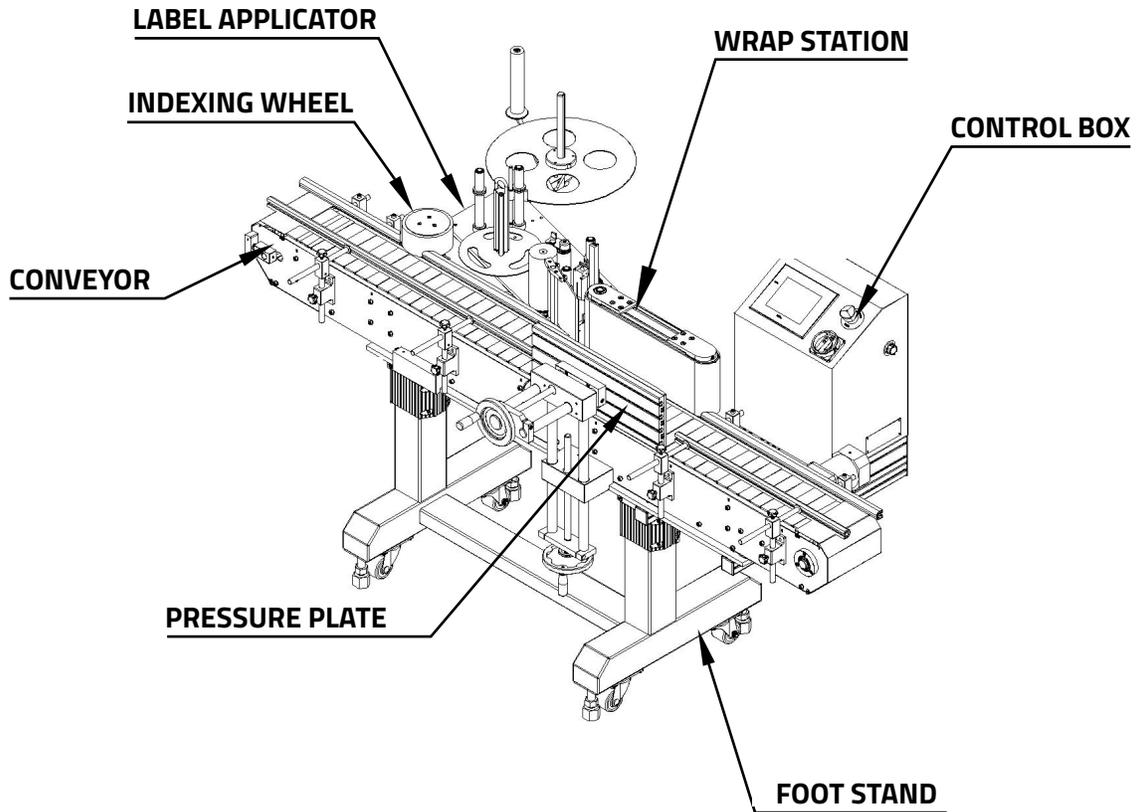
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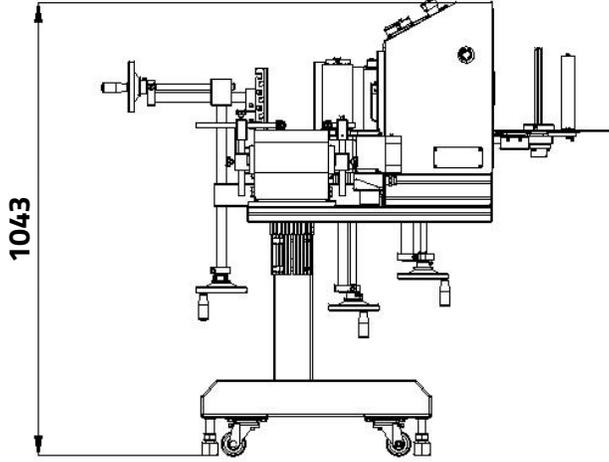
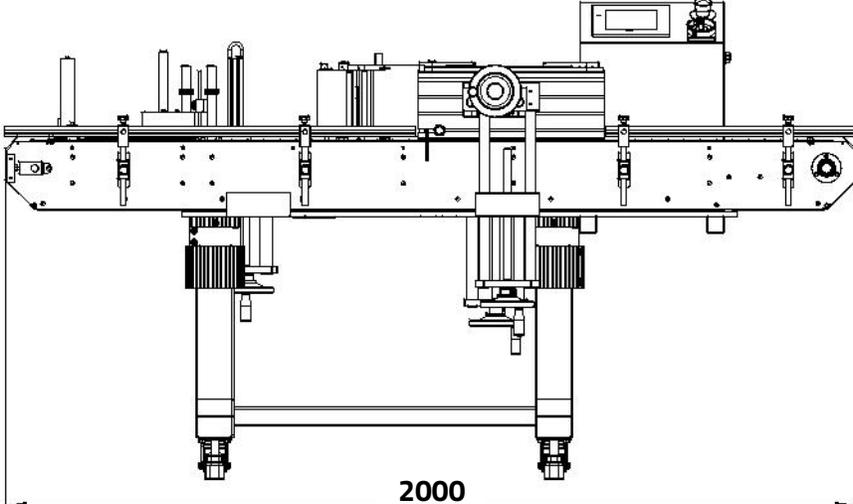
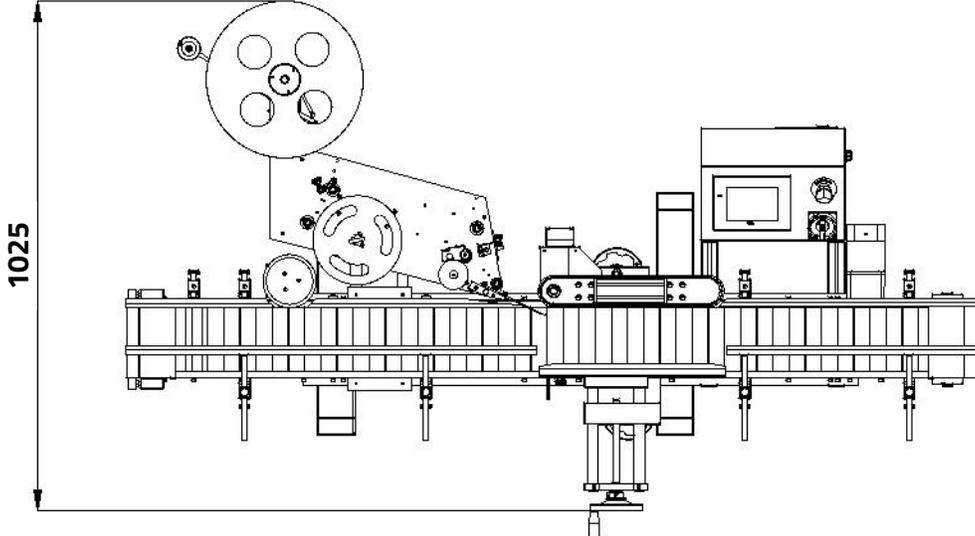


MACHINE SPECIFICATIONS

MACHINE SUB-ASSEMBLIES



MACHINE DIMENSIONS



MACHINE DIMENSIONS

LABEL TYPES

Wrap Around, One Side
Apply Optional

SPEED

Maximum Dispensing Speed:
131.2'/min (40m/min)

Maximum Conveyor Speed:
72.2'/min (22m/min)
*optional customization

DIMENSIONS

Dimensions L-W- H:
79" x 40" x 41"
(2006mm x 1016mm x 1041mm)

Maximum Label Size:
6" x 11.8" (H 152mm x L 300mm)

Maximum Container Width:
4" (101mm)

Conveyor Belt Width:
3.25" (82.55mm)

Spool Diameter: 14" (356mm)
Inner Core: 3" (76mm)

POWER

Voltage: 110/220 VAC 50/60 HZ
1 Phase

Power in KW: .760

Drive: Stepper Motor

NET WEIGHT

Approx 330 lbs (150 kgs)

CONVEYOR HEIGHT

31.75-41.75" (806-1060mm)

Flexibility

- With the PL-501, labeling for a diverse range of container sizes is fast and easy. The standard one-touch screen and label sensors make it simple to adjust for various labeling applications. And, with the manual position setting, your labels are placed accurately on the product, each and every time.
- Future upgrades are simple. Thanks to the PL-501's thermal or hot foil printer controls, you can easily incorporate a printer if the need should arise. This integrated feature lets printers work in sync with the labeler to ensure accurate code placement. The result? Easy label customization you can turn on or off.
- Depending on your needs, this machine can be used for in-line automatic or semi-automatic applications.

Productivity

- A production preset function means the machine automatically stops once the predetermined quantity of products has been labeled.
- The label count feature lets you precisely track progress at any point during the production run.
- The container/production run counter lets you see the exact production number for the day.
- The PL-501 features a touchscreen control system with job memory. So, even after the machine sits idle for long periods, you benefit from a battery-free microprocessor control system that stores default settings. Up to 30 settings can be stored for future use, so you don't have to waste time re-entering the necessary information.

Accuracy

- The PL-501's controls are fully synchronized, ensuring that all components run at the same speed.
- By essentially counting the "steps" necessary to reach the next label, the PL-501's stepper motors ensure fast, accurate label delivery.

Efficiency

- The auto label-set feature confirms label sensitivity by detecting the separation between each label. With one push of a button, labeling is set up – and positioned correctly.
- The missing label-detect feature locates missing labels on the roll stock, and instantly shuts off the machine if one is found. This preventative feature ensures each product is labeled appropriately.

Practicality

- The PL-501 can be easily and conveniently moved to other production areas, allowing for changes in production or products.
- The height of the machine's conveyor is adjustable, affording you exceptional convenience and flexibility.
- All Pack Leader USA labelers are made of 304 stainless steel and anodized aluminum. This extremely durable metal is specially treated to guard against rusting and other effects from harsher environments.

Compliance

- All Pack Leader USA labelers are manufactured in compliance with Good Manufacturing Practices (GMP) standards and meet the strict ISO 9001 quality control procedures. So, you can have confidence undergoing required quarterly inspections from industry compliance auditors.

SPECIFICATION OF LABEL REEL

Base Paper:

Opaque or Translucent

Reel Inner Diameter:

3" (76 mm)

Reel Outer Diameter:

14" (370) mm

Interval of Label:

Min. 3 mm (between label)

Width of Base Paper:

Label Width + 4 mm

Width of Label:

150 H Label Head –

10~150 mm

200 H Label Head –

10~200 mm *optional

Length of Label:

15 ~ 300 mm (Standard)



Left side
of copy
dispenses
first.



Right side
of copy
dispenses
first.



GENERAL INFORMATION

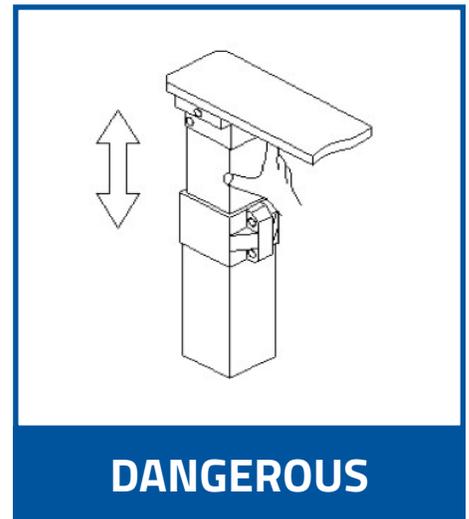
SAFETY REGULATIONS

INSPECT BEFORE OPERATING

- Make sure the power is connected to the correct power source
- Adjust machine to the specified product range
- Adjust the height of label applicator to the appropriate position
- Adjust the guide rails according to the width of the product
- Adjust the object sensor to the correct position
- Adjust label sensor to the proper setting
- Make sure the conveyor is clear of extra objects
- Adjust separator wheel to accommodate the width of the product



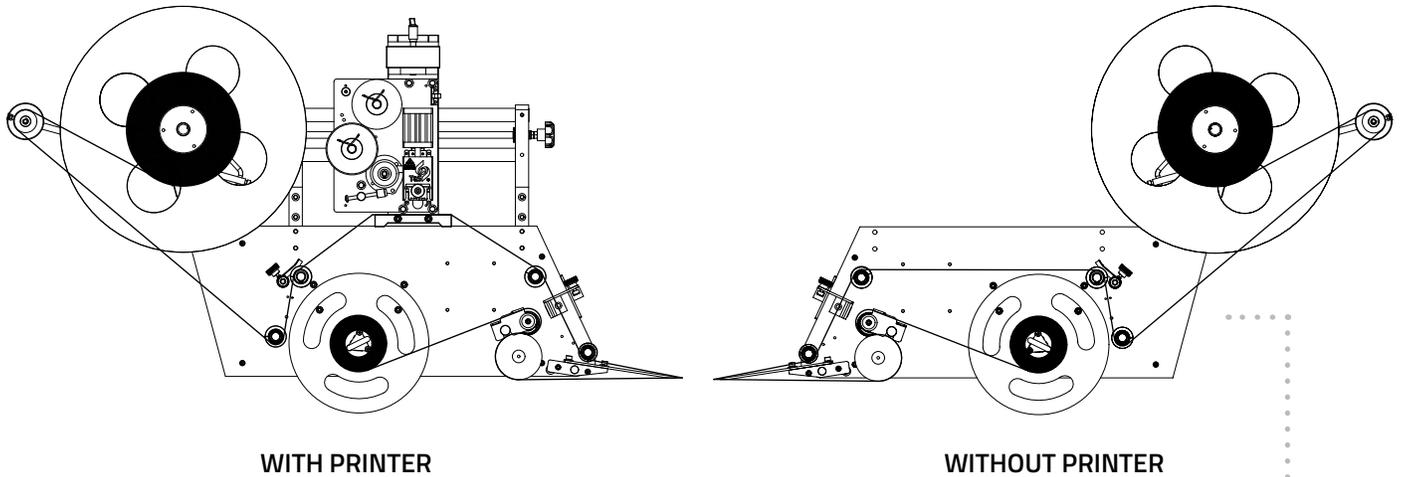
1. Be sure hands are completely dry before inserting the plug into the outlet. Especially, in the food industries or in wet environments.



2. Do not put hands or fingers on the inner tube when adjusting the height of the foot stand. Immediately lift up the conveyor if hands or fingers get trapped.
3. Beware of your clothes, hair, gloves or anything loose when the machine is turned on, as these can be easily caught in the conveyor or running roller that may cause injury.
4. Do not touch the conveyor, roller or paper receive axis when machine is running.

LABEL APPLICATOR

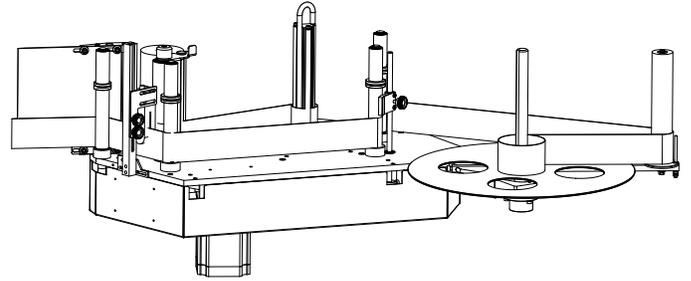
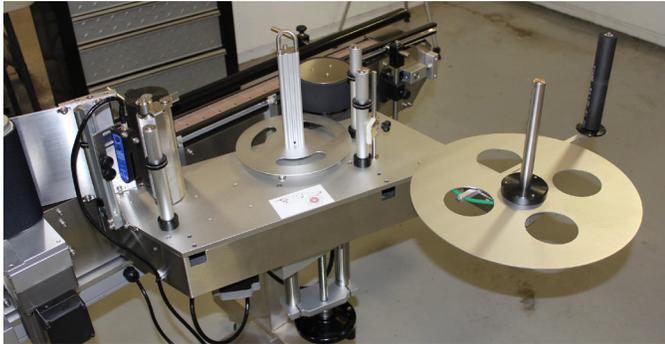
Follow these instructions to insert the labels into the label applicator.



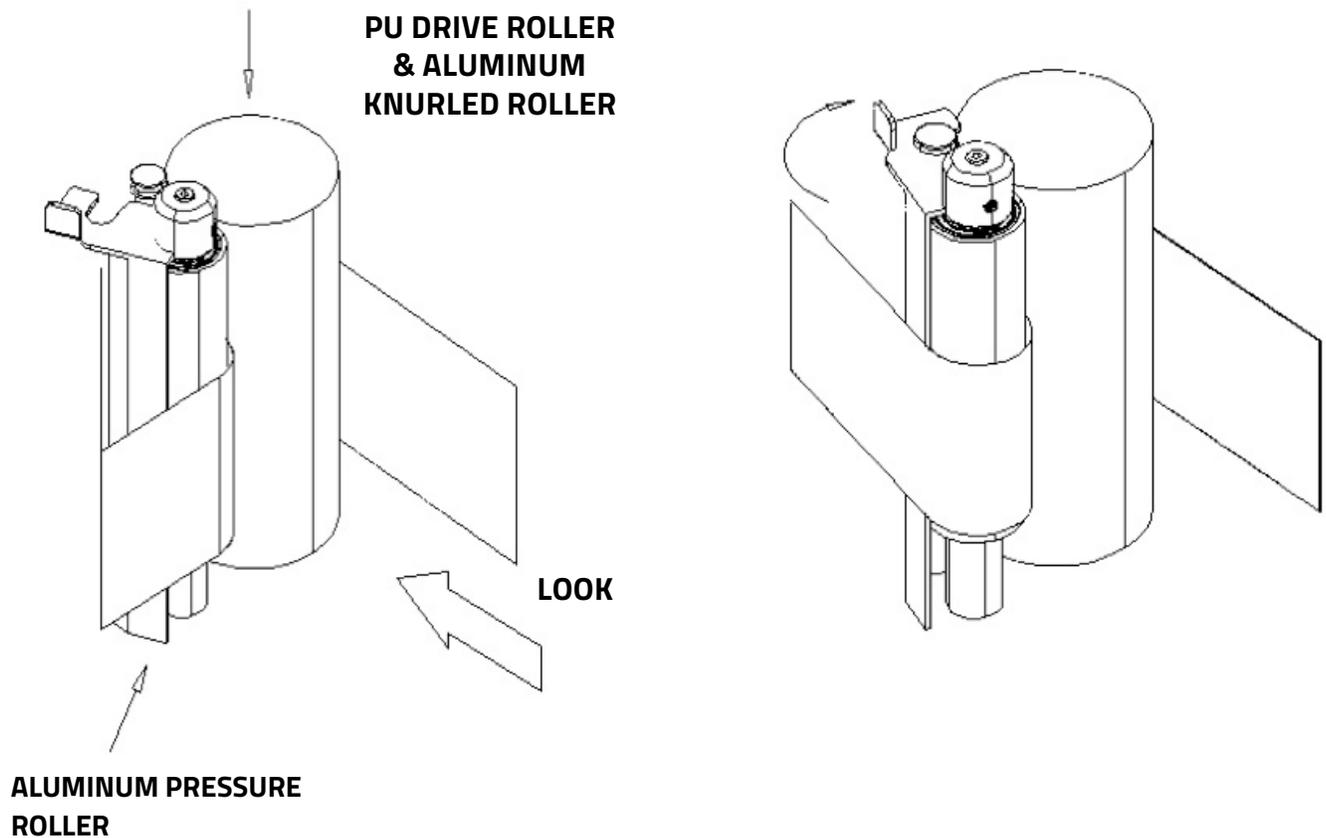
1. Place the label roll on the supply plate and pass the labels around the tension roller to control over rotation of the roll.
2. Secure the labels by adding tension to the label press pad. This will prevent the labels from running loosely.
3. If a printer is installed, pass the labels between the print head and the print pad of the printer.
4. It is important for the labels to pass through the forks of the label sensor and make contact with one side. The label sensor controls the dispensing of the labels.



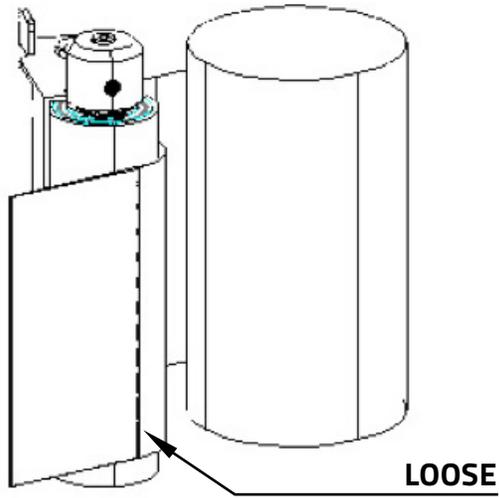
LABEL APPLICATOR



5. The dispensing plates peel the label from the base paper and apply it to the products.
6. The PU drive roller pulls the base paper to apply the labels. The aluminum knurled roller must be closed and locked in place with the PU roller in order to squeeze the base paper and pull effectively. See below.

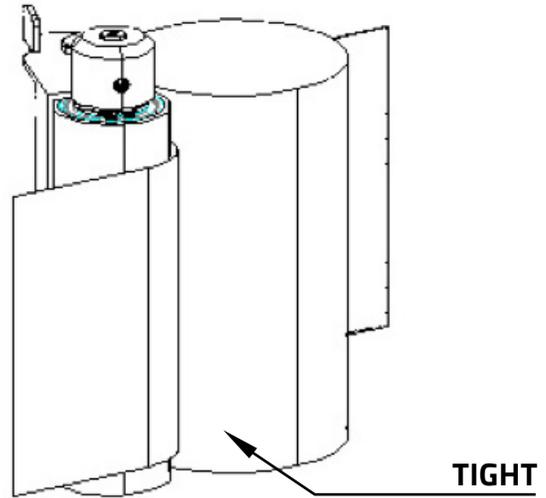


LABEL APPLICATOR



LOOSE

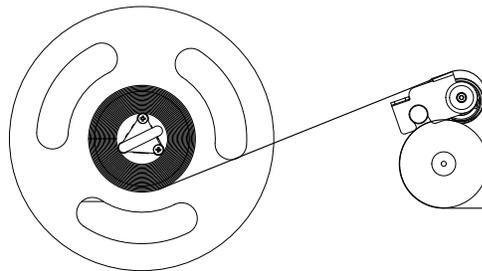
WRONG



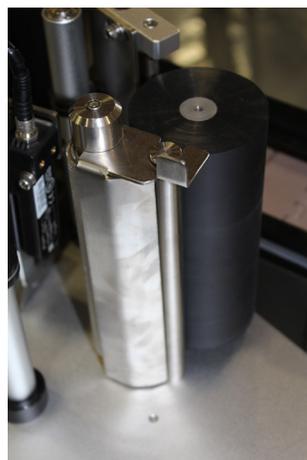
TIGHT

RIGHT

7. Remove the "J" hook on the base paper collector and wind the base paper around the triangular shaft. Then reinstall the "J" hook to secure the base paper and ensure proper pickup tension.



OPENED



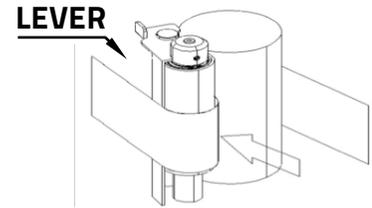
CLOSED



BASE PAPER COLLECTOR

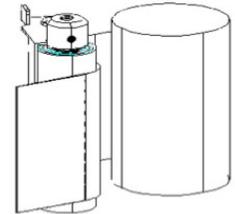
ADJUSTING PU DRIVE ROLLER & ALUMINUM KNURLED ROLLER

1. Turn on the power and then close the lever to make the aluminum knurled roller contact the PU drive roller.

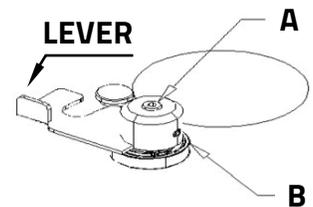


2. Check in between the PU drive roller and the aluminum knurled roller to make sure that they are tightly making contact. (When the power is on, the PU drive roller is engaged with the stepper motor. If the lever is closed, the aluminum knurled roller should not spin freely.) If the contact is too tight proceed to step 3. If the contact is too loose proceed to step 4.

3. When locking the lever into the closed position, if the aluminum knurled roller presses too tightly against the PU drive roller, the PU drive roller will no longer be vertical. To correct this problem open the lever until the PU drive roller is vertical and the aluminum knurled roller is still making contact. Loosen the A&B set screws and close the lever into the locked position, then retighten the A&B set screws.



4. Loosen the A&B set screws then open the lever from the locked position. Retighten the A&B set screws and close the lever to the locked position. Check if the aluminum knurled roller is tightly making contact to the PU drive roller. If not, repeat step 4 again. If too tight, see step 3.

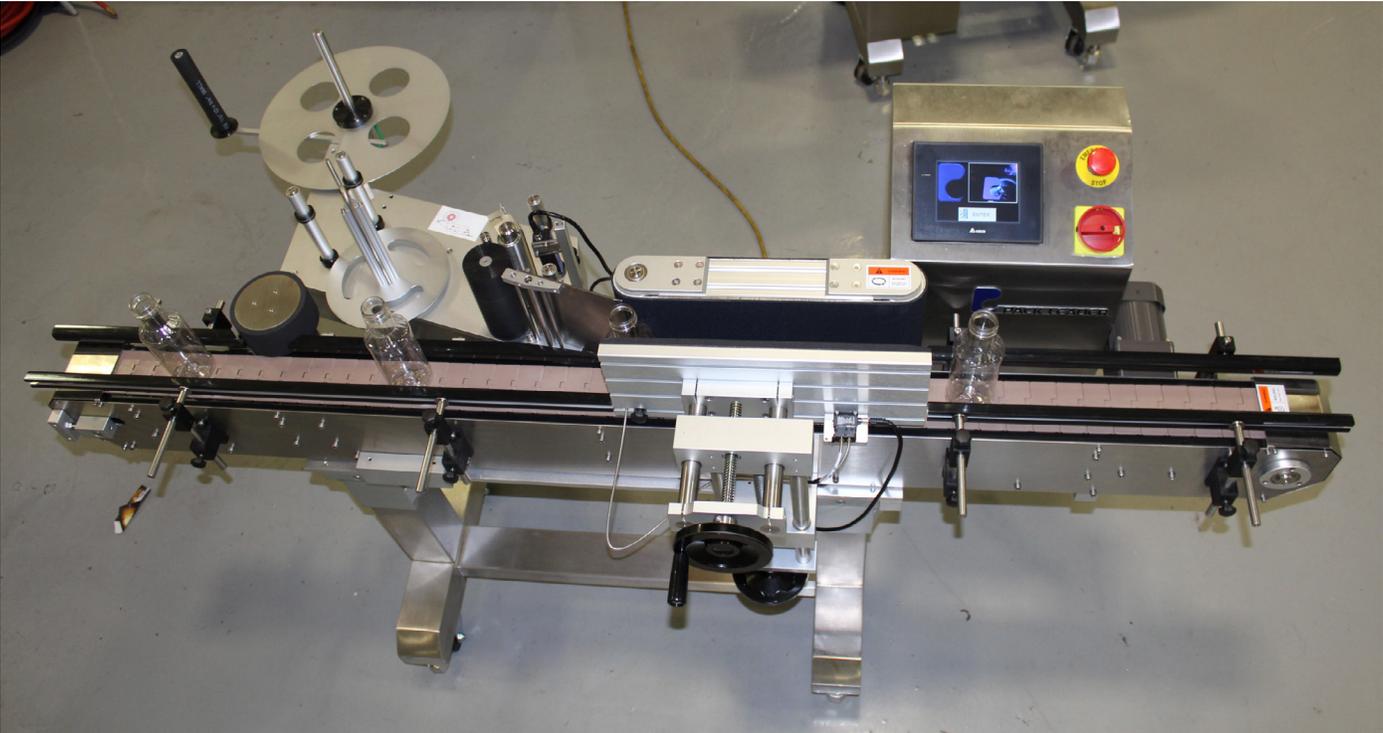


5. When the lever is locked into the proper position, check if the PU drive roller is moving along the aluminum knurled roller. If the contact is very tight that the PU drive roller is not vertical, pull back on the lever until the PU drive roller is vertical and the aluminum knurled roller is touching the surface of the PU drive roller. Then loosen the A and B screws and turn the lever to the proper lock position. Tighten the A & B screws.

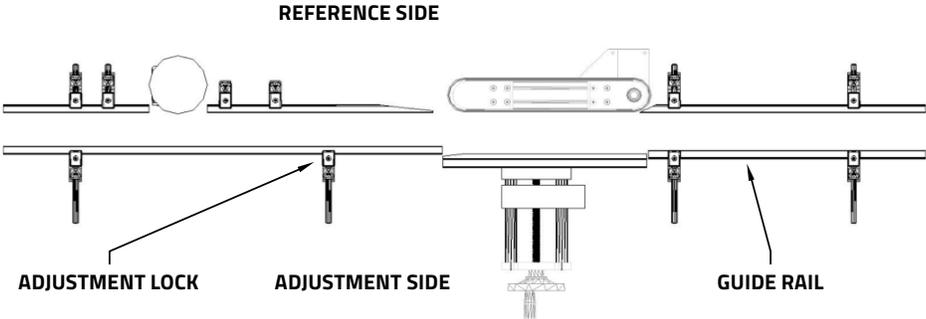
6. Loosen A & B screws then pull the lever away from the fixed shaft. Tighten the A & B screws. Lock the lever and check if the aluminum knurled roller and the PU drive roller are pressed together correctly. If not, repeat this step again. If too tight, see step 5.

WARNING: If the aluminum knurled roller is not tightly pressed against the PU drive roller, the labeling will be inaccurate, which will cause incorrect labeling. If the aluminum knurled roller is pressed too tight, it will cause the PU drive roller to wear and crack.

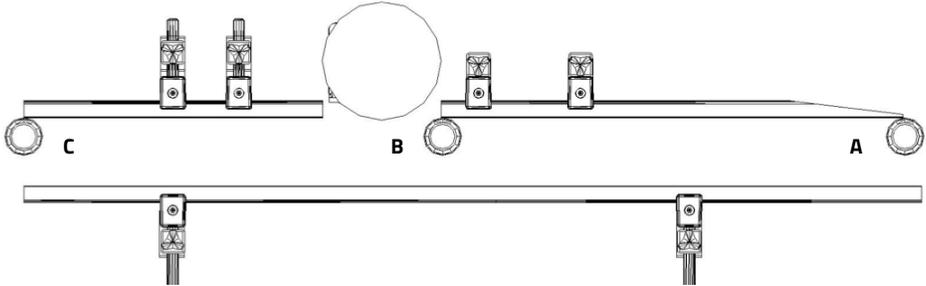
GUIDE RAIL



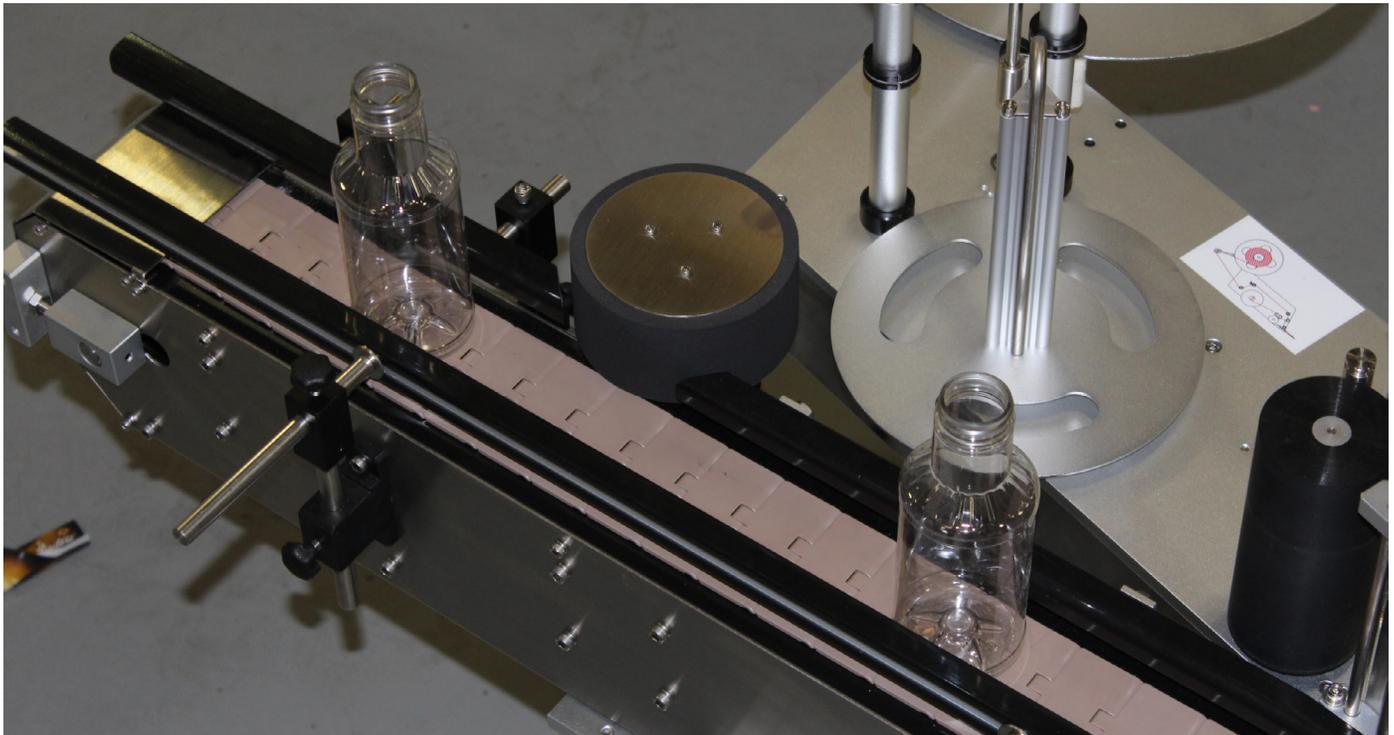
Guide Rail: To guide the products into the right position or direction



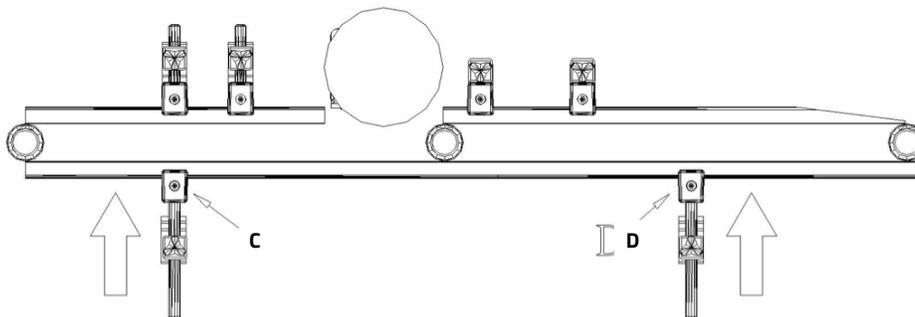
Adjust guide rail width:



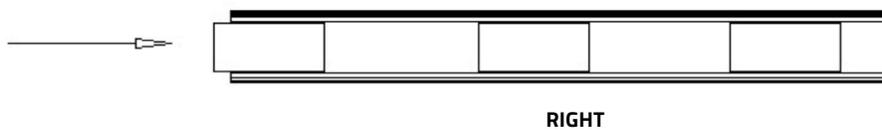
GUIDE RAIL



Put the object at position A, B and C alignment to reference side rail.



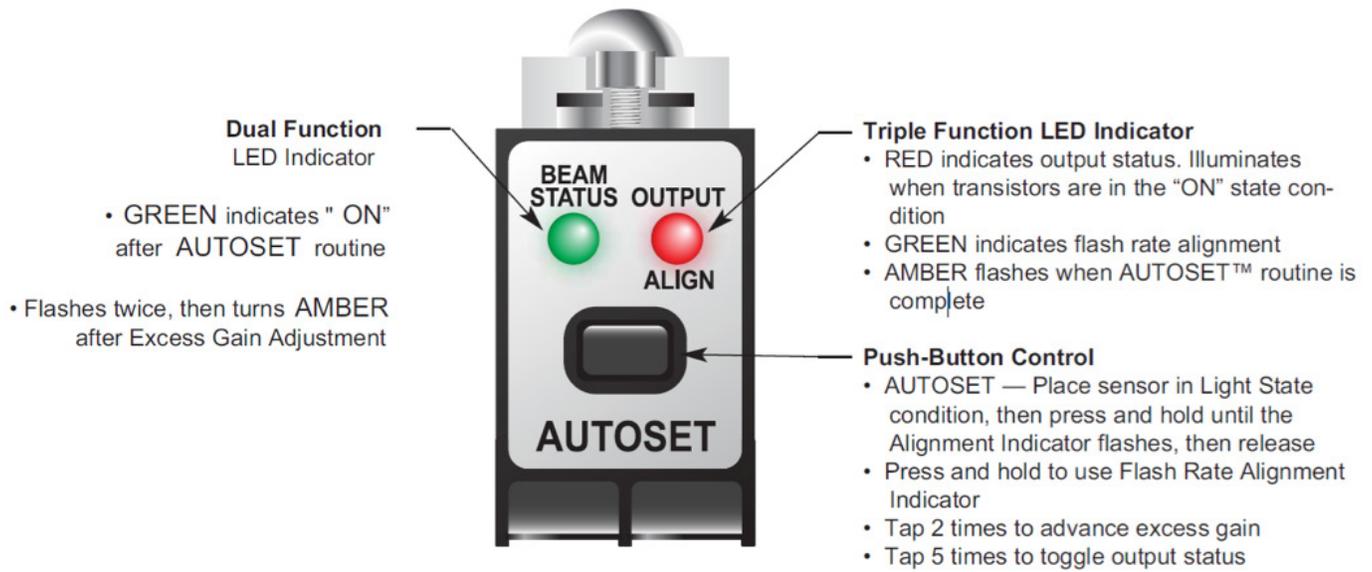
Loosen adjustment lock, C and D, and then push adjustment side rail to close the object



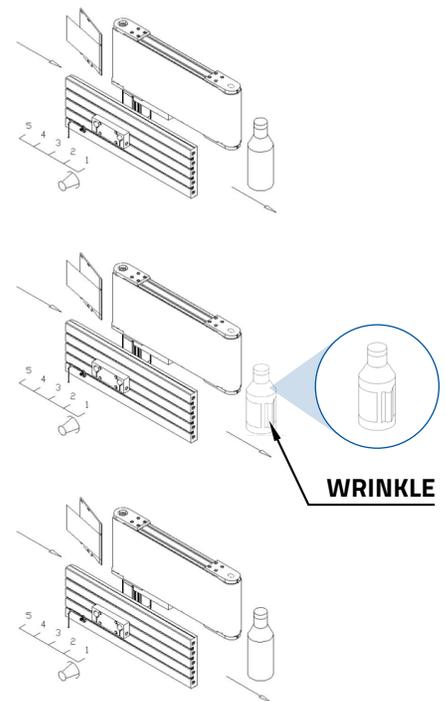
WARNING: If the guide rail's width is not adjusted to the object's dimensions, this will affect the precision of the applied labels. So it is very important to adjust the guide rails according to the object's dimension. The margin must be minimal for the object to pass freely.

OBJECT SENSOR

The object sensor is a fiber optic infra-red sensor use to detect the presence of bottle on the labeling zone. If the sensor is not able to detect a bottle, adjust the intensity of the amplifier until the sensor is able to trigger the applicator to apply a label.



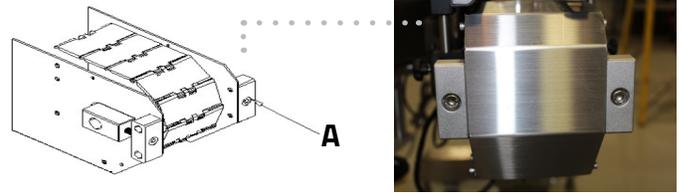
1. If sensor moves too far right, the label will come out too late and will not be applied to the bottle.
2. If sensor moves too far left, the label will come out too early and possibly cause vertical wrinkles.
3. The proper position of the sensor is to make sure the label is dispensed and applies to the apex of the bottles' surface.



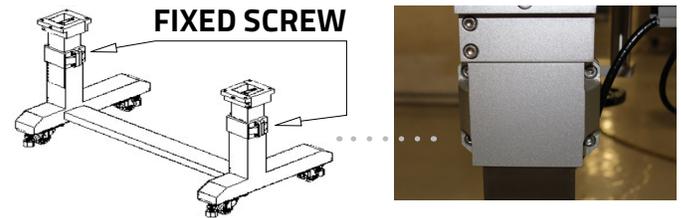
NOTE: The label position can be controlled through the HMI using the label peel delay function.

PARTS ADJUSTMENTS

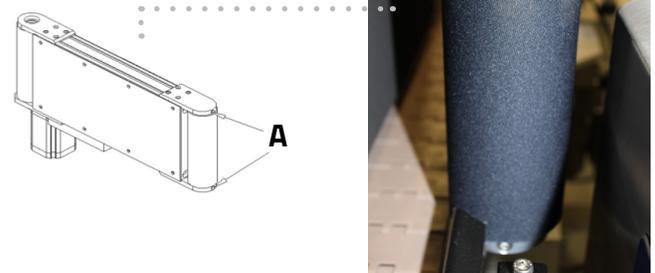
1. Conveyor adjustment: To adjust the tension of the conveyor belt, loosen the two nuts on the screws. Turn counter clockwise to loosen and clockwise to tighten. Make sure the conveyor is centered to reduce any noise. See A.



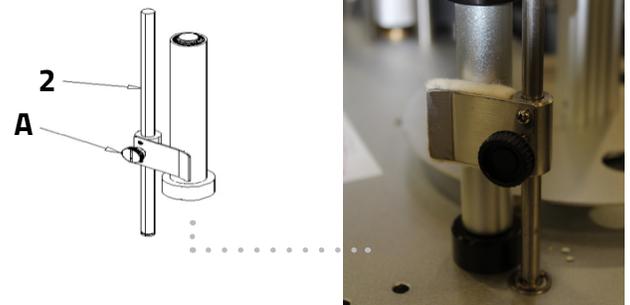
2. Conveyor height adjustment: Loosen the fixed screws, adjust the conveyor to the appropriate height and tighten screws again.



3. Wrap around belt adjustment: To adjust the tension and centering the belt, adjust screw A. When adjusting, use only small increments and let the belt run to determine the final position. A non-centered belt will slip up or down.



4. Label press piece adjustment: First, loosen screw (A) turn the rod (2) counter clockwise and hold it. Use your other hand to tighten screw A and then release it.



SENSITIVITY ADJUSTING OF LABEL SENSOR

1. Remove a label from the backing substrate before the sensor.
2. On the HMI touchscreen, hold down “Length Set” (Figure 1) until the backing substrate only is positioned in the sensor (Figure 2).
3. On the label sensor, hold down the “NORMAL” button until the green LED flashes and then turns solid (Figure 3).

Again, hold down “Length Set” on the HMI until the next label is positioned in the sensor. If the sensor is setup correctly, the green and red LED will be on when a label is positioned in the sensor. Also, check the HMI and confirm that the counter for “Length Set” is increasing and holding the count after you release the “Length Set” button (Figure 4).
4. Lastly, position the next label to dispense no more than 3mm past the end of the peel plate.
- 5.



FIGURE 1



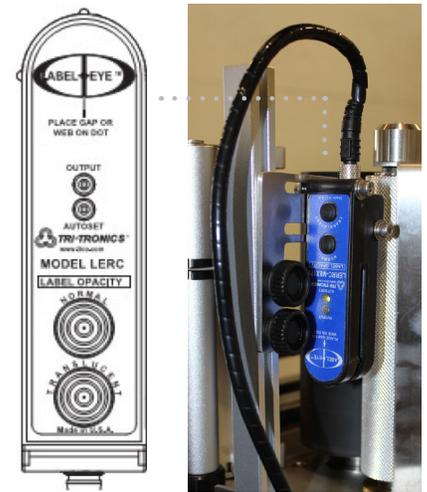
FIGURE 2



FIGURE 3



FIGURE 4



LABEL SENSOR

NOTE: This sensor cannot detect transparent labels.

NOTE: The status of the red LED and output transistors can be inverted by pressing both buttons simultaneously. When the output status has been inverted, the red LED and the output transistors will turn off when the label comes into view.



MACHINE OPERATION

MACHINE OPERATION

Please follow steps and instruction for machine operation.

1A Plug into the appropriate power supply voltage.

1B Make sure the Emergency Stop is not engaged and then turn on the power switch.

1C The display will be shown as diagram 1.

1D Press “Enter” to get into diagram 2.

2A Press “Guide Mode” to show machine operation instructions.

2B Press “Setting Mode” to set up machine speed and printer options. See Diagram 3.

2C Press “Memory Mode” to set up memory.

2D “Labeling Mode” to enter diagram 4.

3A To set the appropriate label length, press the “length set” icon. The number shown displays the label length (Length set is not the physical length of the label).

3B Label length can also be set by the numerical keypad beside the "length set" button.



DIAGRAM 1



DIAGRAM 2

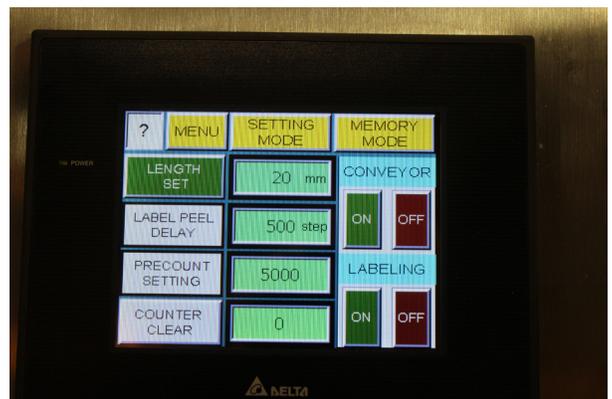


DIAGRAM 3

MACHINE OPERATION

3C

Turn "CONVEYOR" and "LABELING" both ON to start the labeling process after the label length is set.

NOTE: When pressing the label length set icon, the label head will slowly pull the label until the finger is released. This icon confirms the label length. To reconfirm, check that the number is not zero (0). After checking, turn on the conveyor to start labeling. If the detached label is too long or too short, press the number icon and a keypad will appear. Using this keypad, select the length and position of the label and adjust to the proper position. It is important to turn off the conveyor first before selecting the new settings.



DIAGRAM 4

3D

Inspect that the label is in the appropriate position on the product. If not adjust the "LABEL PEEL DELAY". Decrease the value to apply sooner or increase to apply later.

NOTE: If the value shown on the screen is set to zero (0) this means there is no delay. Increasing the numeric value will delay the dispensing time and it will apply the label to the product later.

3E

Regarding the pre-count setting icon, input the required number of products needed to be labeled and turn on "Counter." The conveyor will stop and the counter will reset to zero (0) automatically when the number of labels are reached.

NOTE: If the pre-counter is turned on, the pre-count set must have a number on the setting or the machine will not function.

3F

Turn ON the "Conveyor" to continue labeling.

MACHINE OPERATION

3H Press "Setting Mode" button to set up speed of conveyor, missing label set, and speed of printer.

4A Speed selection contains 8 levels of labeling speed.

4B Key in value of "Missing Label" for the sensor to detect any missing labels.

4C Turn ON the "Missing label" after value has been set in the Missing label area, wait for the diagram to display, and then the function will start.

NOTE: If the missing label set is ON, it must not be selected as zero (0). Normally it is set at about 80% of the label length. The machine will stop when there is a missing label on the label roll.

4D For the printer speed set icon, turn ON when only using a printer. Press "HOT STAMP PRINTER" icon to set the required printing speed.

NOTE: If the printer setting is too long the speed will be slow. It depends on the transfer speed of the ribbon can tolerate. In setting the printing speed timing, the main consideration is the ribbon's transfer speed.

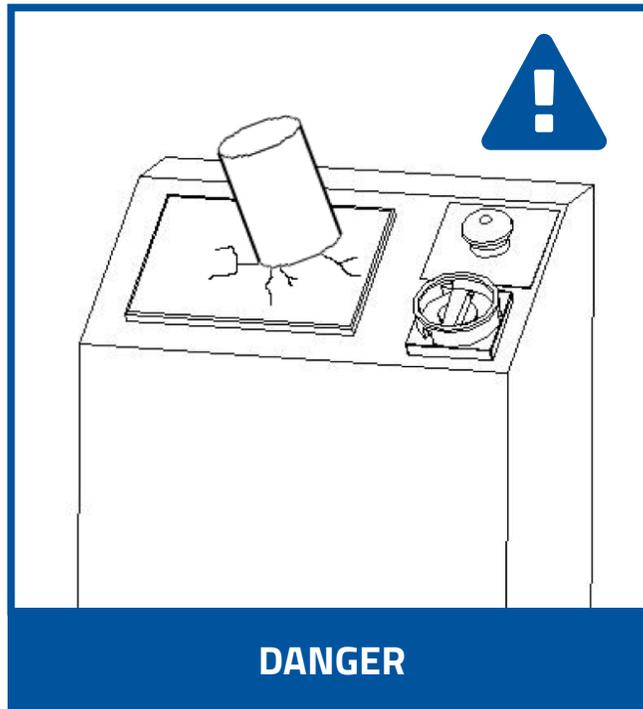
5 Storing memory and reading function: To save the present setting to a memory slot, go to the main menu and select memory. Press save and assign a valid memory slot of 0-30 to save the data. To recall, press read and the slot number to automatically load the data to the PLC.

NOTE: Label length, position delay, batch counter/on/off, printer speed/on/off, missing label on/off, and conveyor speed are all saved and loaded as a set of parameters in each slot of memory.



DIAGRAM 5

TOUCH SCREEN



- Do not bump or press heavily on the touch screen.
- Lightly press on any point inside the touch screen to input data.
- Lightly press with a finger to select the icons or input data (do not use a tool or sharp object).



- Use a soft cleaner or wet cloth to clean the surface of the touch screen.
- Operators are not advised to open the control box or power box to change any spare part. If so, we are not responsible for any of the damages or injuries.

TROUBLE SHOOTING

PROBLEM 1: LABEL LENGTH CANNOT BE SET

A. LABEL SENSOR WAS NOT ADJUSTED PROPERLY

1. Inspect the condition of the label sensor. Please refer to "Sensitivity adjusting instruction of label sensor" section.
2. If label length still cannot be set, replace the label sensor.

B. STEPPING MOTOR DOES NOT WORK

1. Inspect that the wires are properly connected. If the wires are not connected, please connect them and reset the labeling applicator.
2. If the problem is not in the wiring, please contact **Pack Leader USA**.

PROBLEM 2: MORE THAN ONE LABEL IS DISPENSED AT A TIME

A. SENSITIVITY OF LABEL SENSOR

1. The sensitivity of label sensor is too weak; as a result, the sensor cannot (or sometimes cannot) detect the label.
2. Reset the sensitivity of label sensor. (Refer to sensitivity adjusting instruction of label sensor)

B. LABEL LENGTH WAS SET TOO LONG

1. Please reset the label length.

PROBLEM 3: LABEL WON'T DISPENSE

A. OBJECT SENSOR RESPONSE

1. Inspect that the object sensor responds on the product. If not, adjust the sensitivity of the object sensor until the label comes out.
2. If the label still won't dispense by adjusting the object sensor, inspect the wire or replace with a new one.

B. THE "LABELING" ICON OF LABELING SET WAS NOT TURNED ON

1. Please Turn "On" the labeling set icon.

C. THE FUSE OF THE STEPPER MOTOR DRIVER IS BURNED OUT

1. Replace with a new fuse.

D. THE WIRE OF THE STEPPING MOTOR OR MOTOR DRIVER IS DAMAGED

1. Please notify maintenance technicians.

TROUBLE SHOOTING

PROBLEM 4: LABEL IS SLANTING

A. BOTTLE IS NOT EVEN

B. LABEL IS DIAGONALLY PLACED ON THE BASE PAPER WHEN THE LABELS ARE MADE

C. THE SLANTING OCCURRED WHEN LABELING. THIS IS CAUSED WHEN THE PEEL PLATE IS NOT SQUARE TO THE PRODUCT.

NOTE 1: If problem is found in A or B, you need to improve the bottle or label.

NOTE 2: If the problem is found in C, you need to adjust the applicator peel plate to the appropriate position.

PROBLEM 5: NO SCREEN DISPLAY

A. CHECK IF POWER IS TURNED ON

B. CHECK IF THE CONNECTION WIRE IS NOT CONNECTED OR DAMAGED

PROBLEM 6: LABEL WILL NOT STICK ON THE PRODUCT

A. LABEL COMES OUT TOO LATE

1. Decrease the value of the label peel delay. If value is set to 0 move the physical location of the object sensor to the left.

B. LABEL DOES NOT DISPENSE SMOOTHLY

1. Check whether the PU drive roller with a lock in the label applicator is locked. If not, lock it. If labels still do not dispense smoothly when locked, check if PU drive roller is locked too tightly by turning the PU drive roller. If not, loosen the screw in the lock of the PU drive roller and adjust backwards slowly until it is tight enough when you lock it again.

C. STEPPING MOTOR

1. If stepping motor is not running properly, check the wires, belt and other spare parts to see if they are damaged.

2. Replace stepping motor if defective.

D. PRODUCT & LABEL

1. Check whether the product surface is too wet or slippery or label has incorrect adhesive.

TROUBLE SHOOTING

PROBLEM 7: WRINKLES OR BUBBLE OCCUR WHEN LABELED

A. LABEL COMES OUT TOO EARLY

1. Move the object sensor left to an appropriate position to test labeling. If the label still comes out too early, move to step 2.
2. Increase the value of the label peel delay in LABELING MODE menu.

B. THE POSITION OF LABEL IS NOT ACCURATE

1. Check whether the front of the dispensing plate is square.
2. The label sensor is in an unusual position. Please inspect the label sensor or replace with a new one.
3. The gap between the labels are not consistent.

C. BOTTLE CONDITION

1. Surface of product is not consistent.

D. BACK PRESSURE PLATE

1. Back pressure plate is too tight

PROBLEM 8: CONVEYOR DOES NOT WORK

A. WILL NOT RESPOND ON THE TOUCH SCREEN

1. Please re-start the machine.
2. After restarting the machine, if the conveyor still does not work contact **Pack Leader USA**.

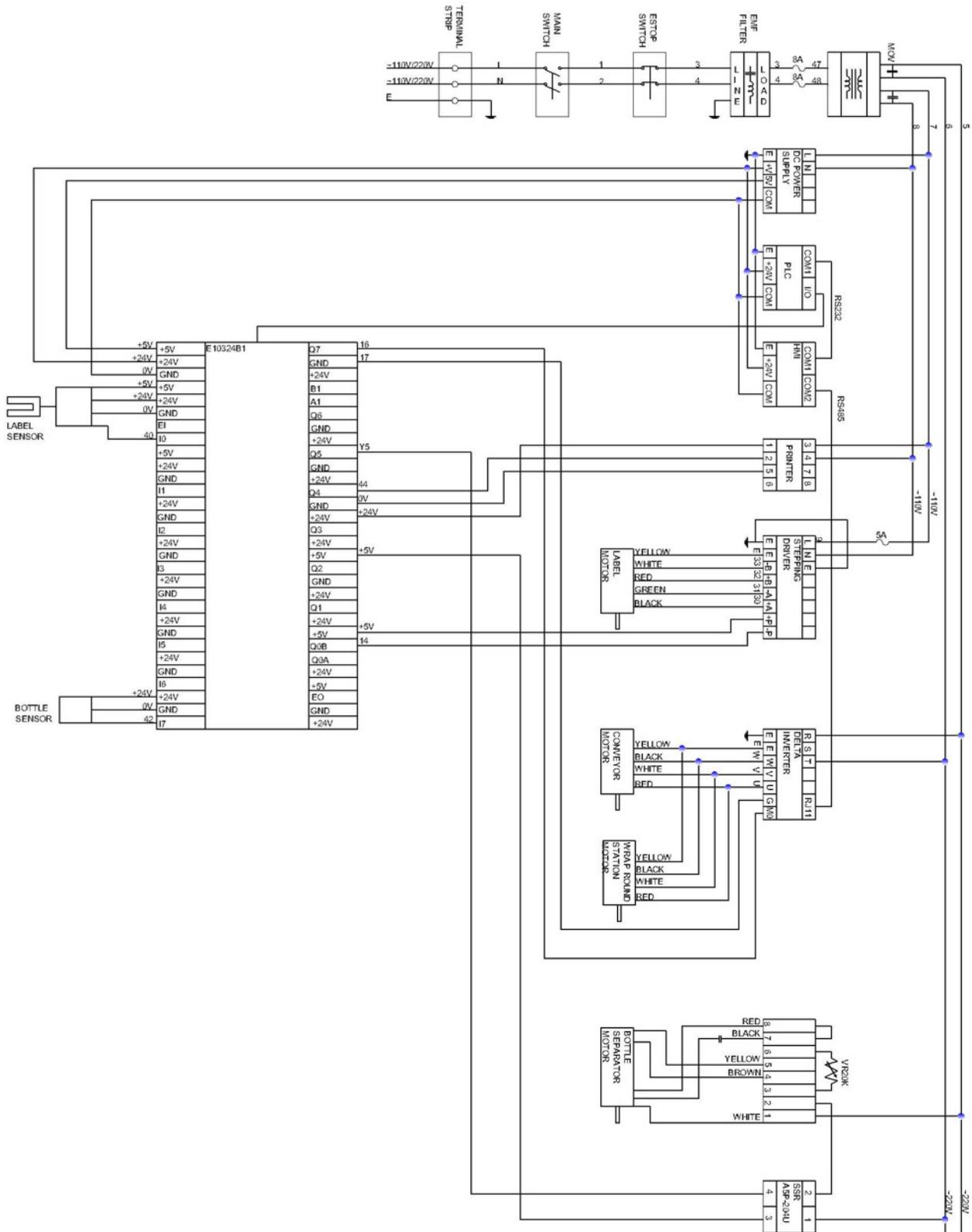
B. CONVEYOR MOTOR

1. Gearwheel belt is damaged or loose.
2. Check wires for damage.

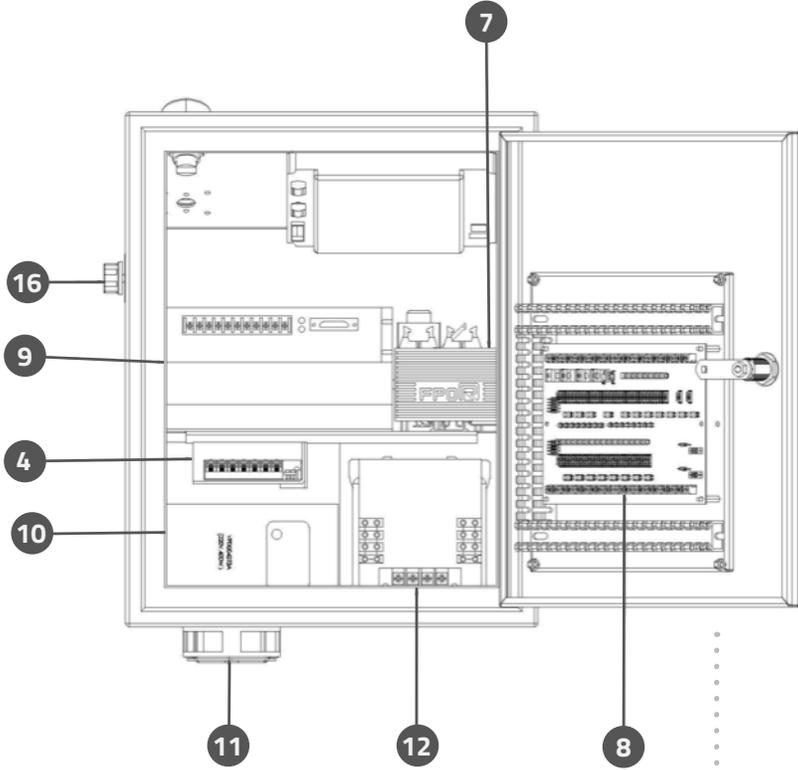
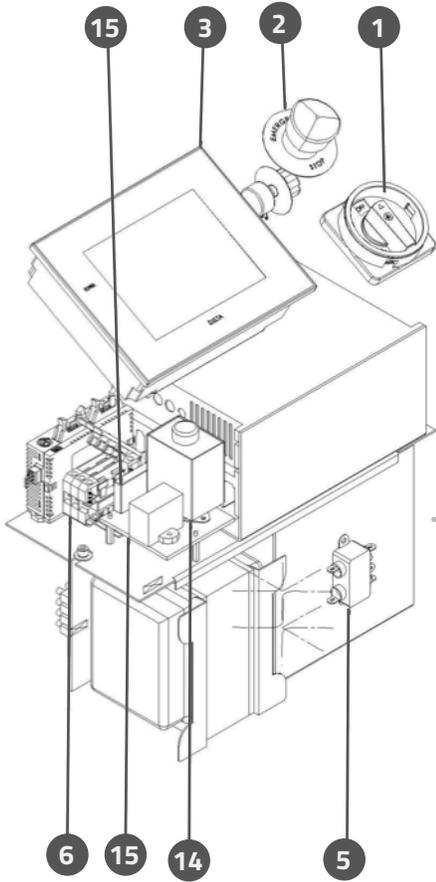


ELECTRONIC PANEL

ELECTRONIC DIAGRAM



CONTROL BOX FRAME



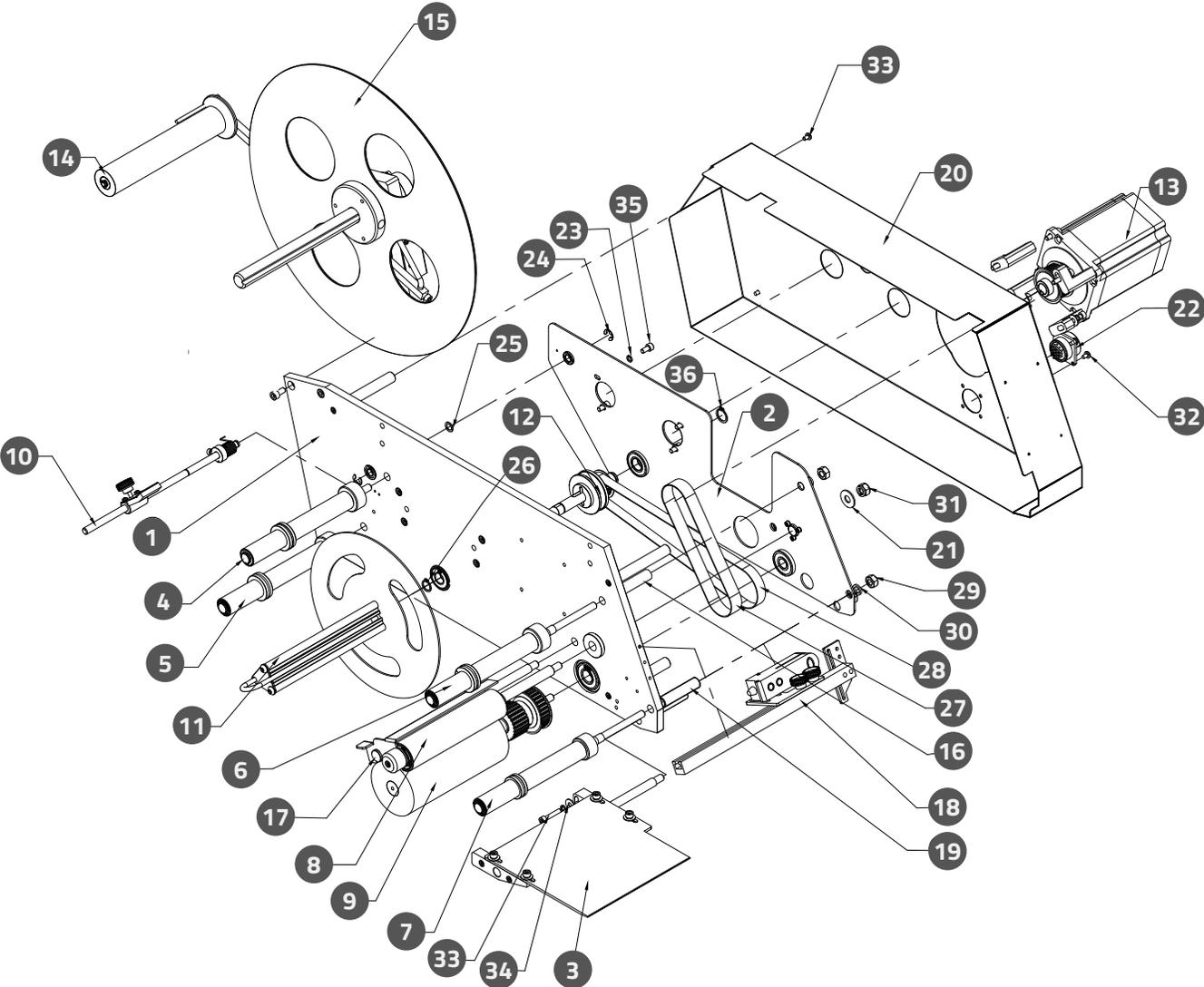
ELECTRONIC PARTS LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Power Switch CQ1203KL6	C-1400	1
2-1	Emergency Button I	C-1403	1
2-2	Emergency Button II	C-1402	2
2-3	Emergency Button III	51WR-800E15YE112	1
3	Delta Touch Screen	2YBR-DOPB05S111	1
4	Switching Power Supply	2YE2-RD65B	1
5	EMI Filter YC10T1(10A/250VAC)	2YXQF-10A250VAC	1
6-1	Fuse Bracket	C-1500	3
6-2	Fuse Bracket Plate	C-1505	3
6-3	Fuse 5A UL	C-1702	4
6-4	Fuse 8A UL	C-1703	1
7	PLC AFP0R-C16CT	2YPLC-AFP0RC16CT	1
8	PCB Board A10324B2	2YPCB-A10324B2	1
9	Stepping Motor Drive	2YF2-ST2811MA	1
10	Inverter	VFD004S23A	1
11	Exhaust Fan 8 cm 24VDC	2Y2G-FD24025HB	1
12	Transformer 660VA 220V/110V	E-0006	1
13	Capacitor 1.5UF	E-0156	1
14	Speed Controller MGSDDB2	C-1065	1
15	SSR-4A	E-0220	1
16-1	VR 24YNB 20K	E-0190	1
16-2	Knob RN99D	E-0230	1
16-3	Panel	51WR-0051	1



APPLICATOR

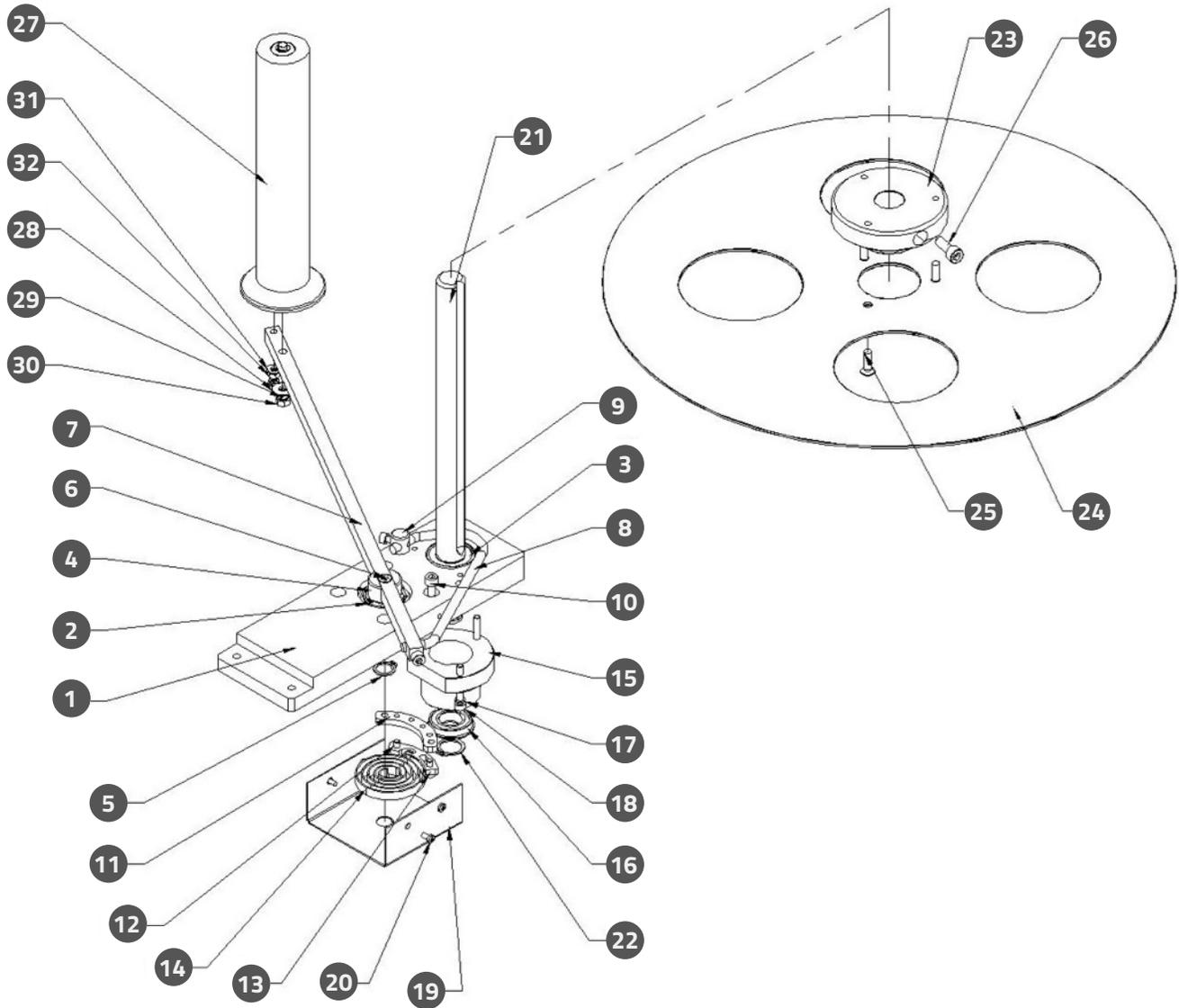
APPLICATOR EXPLODED VIEW



APPLICATOR EXPLODED PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Applicator Base Plate Assembly	See page 37	1
2	Applicator Back Plate Assembly	See page 38	1
3	Label Peel Plate Assembly	See page 45	1
4	Label Fixed Roller Assembly	See page 40	1
5	Label Roller Assembly 1	See page 41	1
6	Label Roller Assembly 2	See page 42	1
7	Label Roller Assembly 3	See page 43	1
8	Aluminum Knurled Roller Assembly	See page 47	1
9	PU Roller Assembly	See page 46	1
10	Label Press Assembly	See page 39	1
11	Base Paper Collect Assembly 1	See page 48	1
12	Base Paper Collect Assembly 2	See page 49	1
13	Applicator Motor Assembly	See page 50	1
14	Tension Bar Assembly	See page 36	1
15	Label Supply Plate Assembly	See page 34	1
16	Spacing Roller	LA1-PL150-018	4
17	Position Shaft	LA1-PL150-058	1
18	Label Sensor Base Assembly	LA1-PL150	1
19	Spacing Tube	LA1-PL150-072	1
20	Back Cover	LA1-PL150-068B	1
21	Label Supply Plate Top Cover Assembly	LA1-PL150	1
22	Power Socket	EC2066	1
23	Spring Washer M5	2FWO-M5	5
24	E-Ring E7	DCEV-E7	2
25	Nylon	2FWO-8121.0T	1
26	S-Ring S12	DCSV-S12	1
27	Timing Belt 240XL-050	T2Q2-240XL050	1
28	Timing Belt 150XLU-065	T2Q2-150XLU065	1
29	Hex Nuts M8	XAXR-M8	7
30	Spring Washer M8	2FWO-M8	8
31	Socket Head Cap Screws	XNJW-M620	2
32	Philips Head Screws	XNMW-M46	8
33	Socket Head Cap Screws M5*25	XNJW-M525	1
34	Washer M5	XNQC-M5	1
35	Socket Head Cap Screws M5*10	XNJW-M510	4
36	C-Ring S15	DCSV-S15	1
37	Washer M8	XNQC-M8	2
38	Hex Nuts M8	XAXR-M8	2

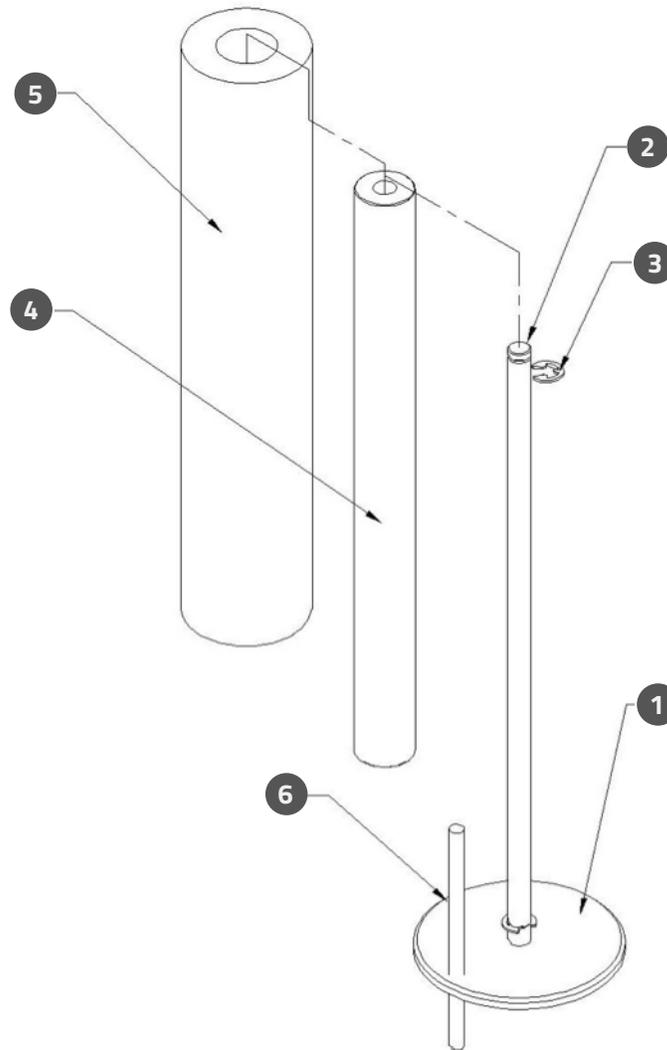
LABEL SUPPLY PLATE ASSEMBLY



LABEL SUPPLY PLATE ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Label Supply Base	LA1-PL150-028	1
2	Bearing 7R8NR	5TGH-R8NR	2
3	Bearing 6002zz	5TGH-6002zz	1
4	Fixing Spindle of Tension Bar	LA1-PL150-031	1
5	S-Ring S12	DCSV-S12	1
6	Tension Bar	LA1-PL150-035	1
7	Bolt	XNAW-M420	1
8	Brake Belt	LA1-PL150-090	1
9	Fixing Shaft of Brake Belt	LA1-PL150-036	1
10	Hexagon Socket Head Cap Screw	XNJW-M510	3
11	Spring Fixture of Tension Bar	LA1-PL150-033	1
12	Hexagon Socket Head Cap Screw	XNJW-M48	3
13	Spring Adjust Base of Tension Bar	LA1-PL150-034	1
14	Spring	LA1-PL150-032	1
15	Label Supply Shaft Fixture	LA1-PL150-030	1
16	Bearing 6902NR	5TGH-6902NR	1
17	Spring Washer M4	2FWO-M4	5
18	Hexagon Socket Head Cap Screw	XNJW-M430	3
19	Label Supply Back Cover	LA1-PL150-029	1
20	Philips Head Screws	XNMW-M36	4
21	Label Supply Shaft	LA1-PL150-096	1
22	S-Ring S15	DCSV-S15	1
23	Label Supply Bottom Sleeve	LA1-PL150-044B	1
24	Label Supply Plate	LA1-PL150-038B	1
25	Bolt	XNAW-M516	3
26	Hexagon Socket Head Cap Screw	XNJW-M616	1
27	Tension Bar Assembly	See page 36	1
28	Washer M5	XNQC-M5	1
29	Spring Washer M5	2FWO-M5	1
30	Hex Nuts M5	XAXR-M5	1
31	Washer M4	XNQC-M4	1
32	Hex Nuts M4	XAXR-M4	2

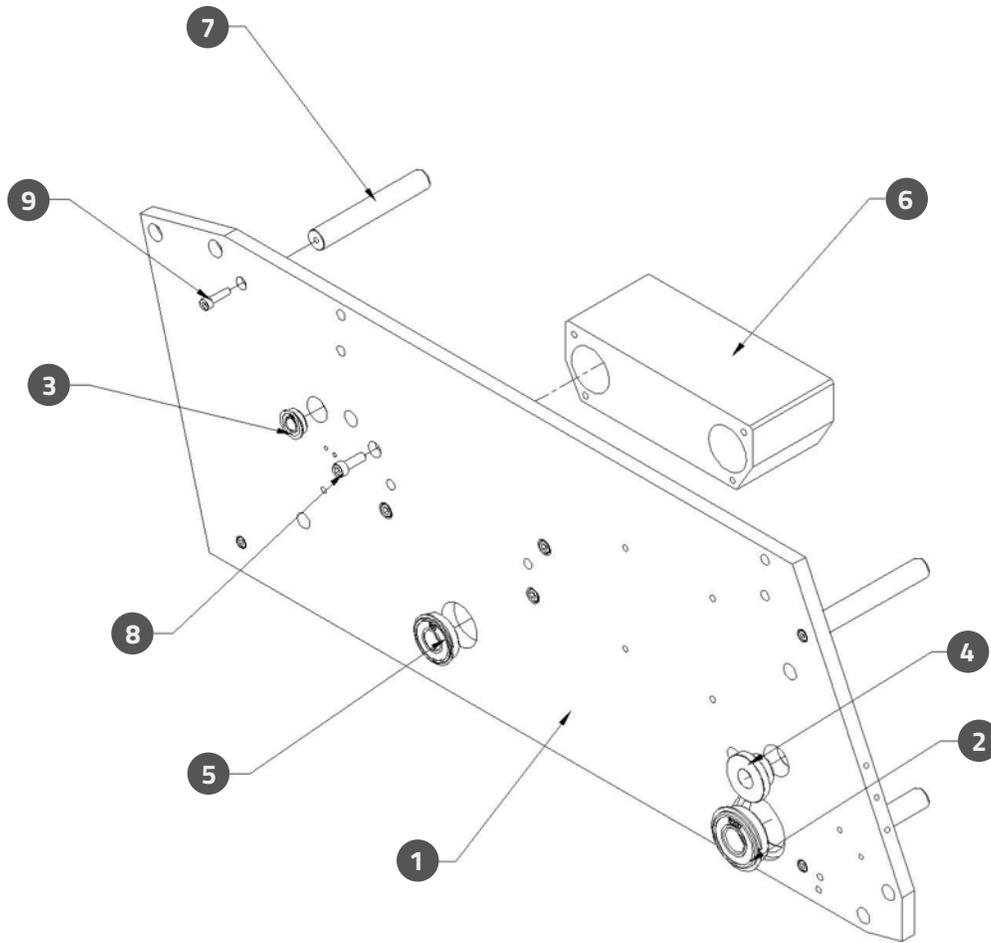
TENSION BAR ASSEMBLY



TENSION BAR ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Pad of Tension Bar	LA1-PL150-037B	1
2	Roller Shaft of Tension Bar	LA1-PL150-097	1
3	E-Ring E4	DCEV-E4	2
4	Interior Roller of Tension Bar	LA1-PL150-098	1
5	Sponge Roller of Tension Bar	LA1-PL150-099	1
6	Socket Head Cap Screws M4*70	LA1-PL150-087B	1

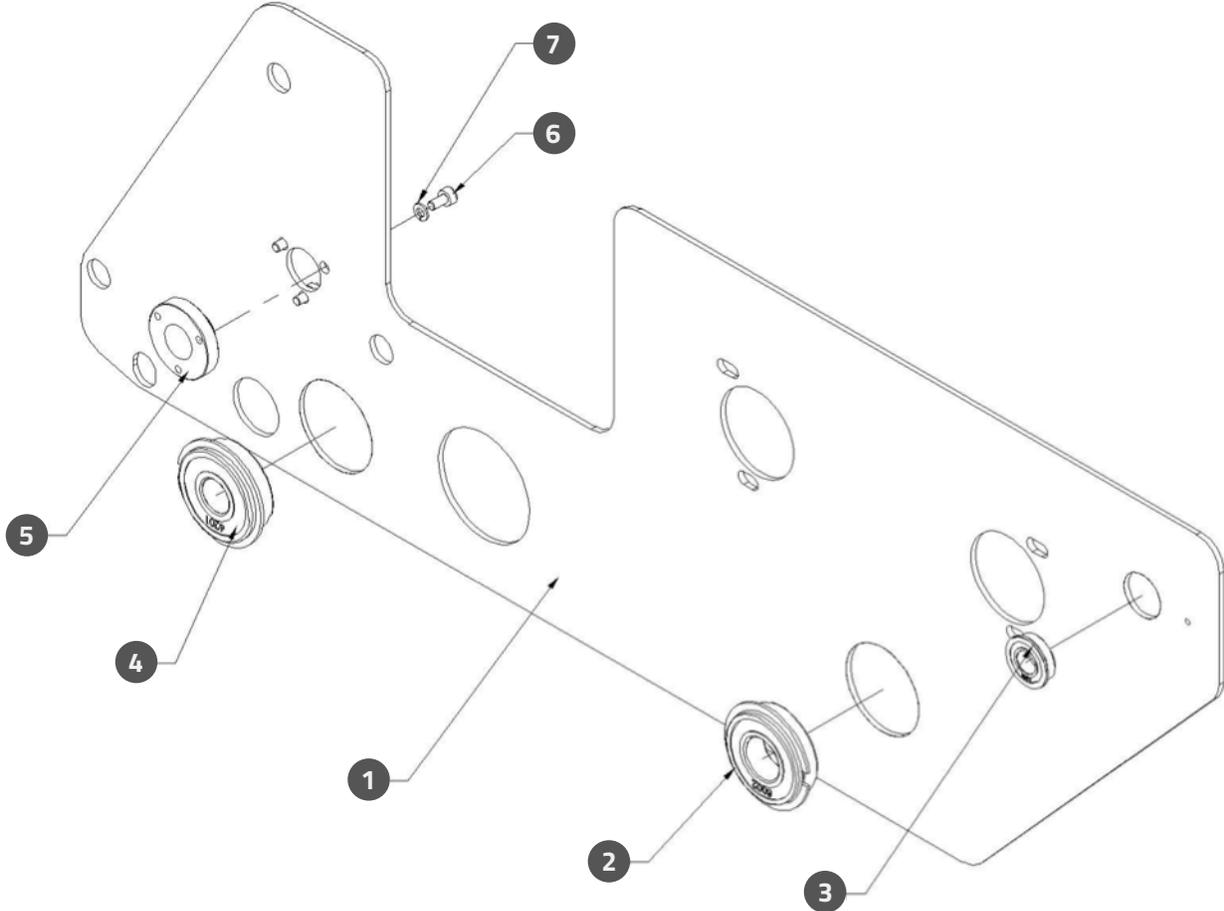
APPLICATOR BASE PLATE ASSEMBLY



APPLICATOR BASE PLATE ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Applicator Base Plate	LA1-PL150-001C	1
2	Bearing 6202NR	5TGH-6202NR	1
3	Bearing F688zz	5TGH-F688zz	1
4	Upper Sleeve	LA1-PL150-022	1
5	Bearing 7R8NR	5TGH-R8NR	1
6	Applicator Fixture	LA1-PL150-003	1
7	Back Cover Fixing Shaft	LA1-PL150-027	4
8	Socket Head Cap Screws M5*16	XNJW-M516	4
9	Socket Head Cap Screws M4*16	XNJW-M416	4

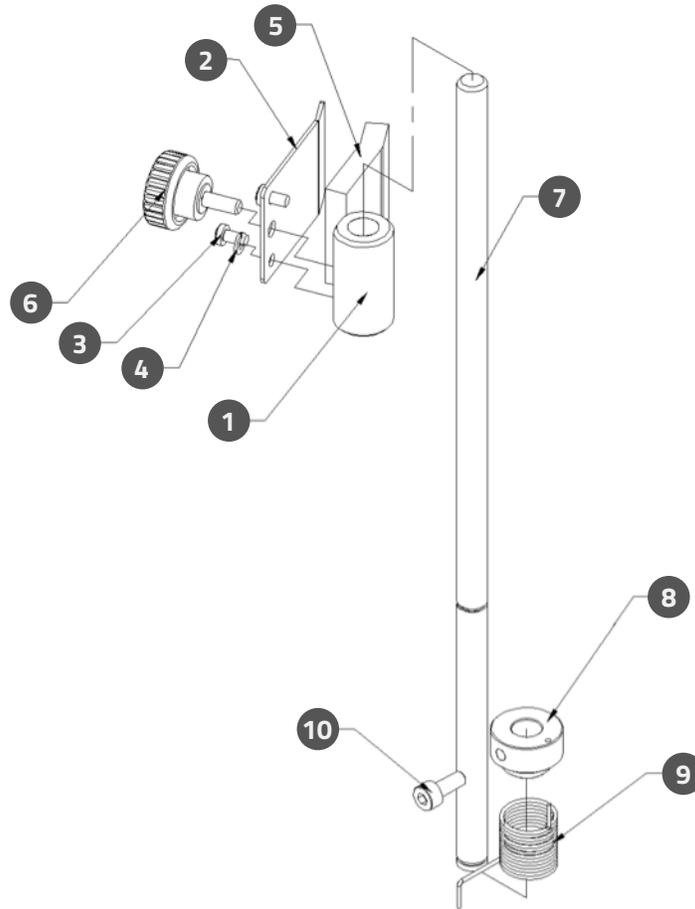
APPLICATOR BACK PLATE ASSEMBLY



APPLICATOR BACK PLATE ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Applicator Back Plate	LA1-PL150-002	1
2	Bearing 6002NR	5TGH-6002NR	1
3	Bearing F688zz	5TGH-F688zz	1
4	Bearing 6201NR	5TGH-6201NR	1
5	Bottom Sleeve	LA1-PL150-023	1
6	Socket Head Cap Screws	XNJW-M36	3
7	Spring Washer	2FWO-M3	3

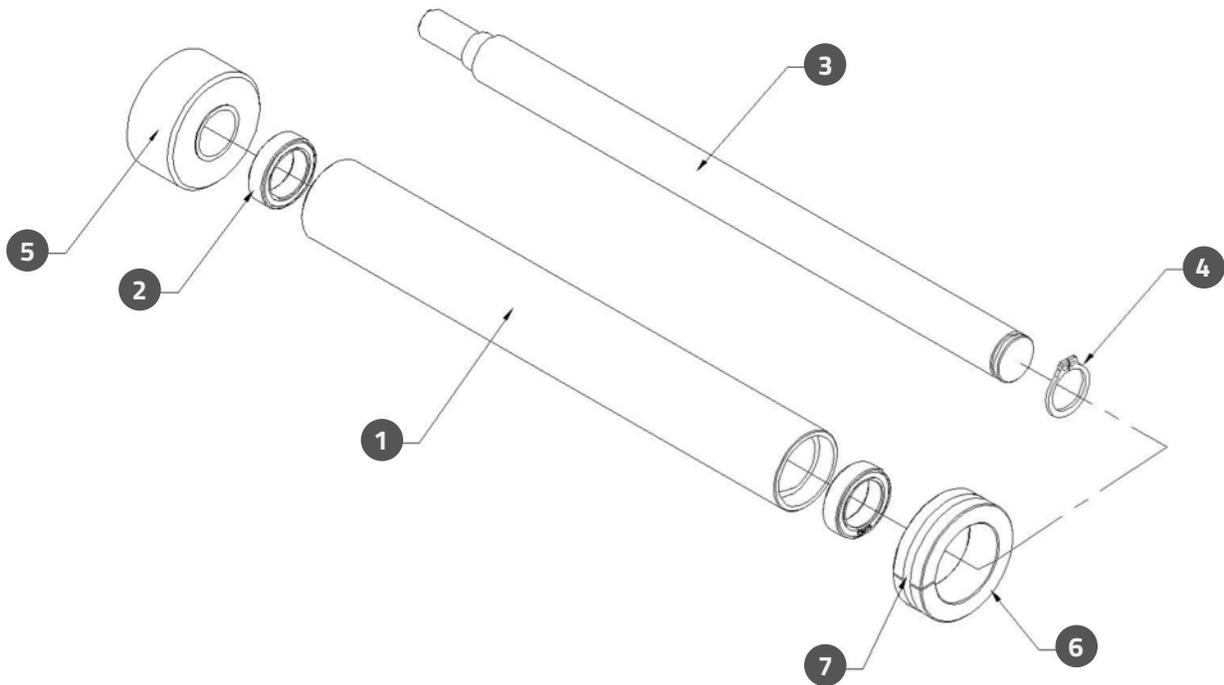
LABEL PRESS ASSEMBLY



LABEL PRESS ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Label Press Plate Base	LA1-PL150-046	1
2	Label Press Plate	LA1-PL150-047	1
3	Philips Head Screws	XNMW-M36	2
4	Spring Washer M3	2FWO-M3	2
5	Label Press Pad	LA1-PL150-089	1
6	Knob 802020M410	51WR-802020M410	1
7	Label Press Shaft	LA1-PL150-054	1
8	Spring Base	LA1-PL150-017	1
9	Spring	LA1-PL150-016	1
10	Socket Head Cap Screws M4*10	XNJW-M410	1

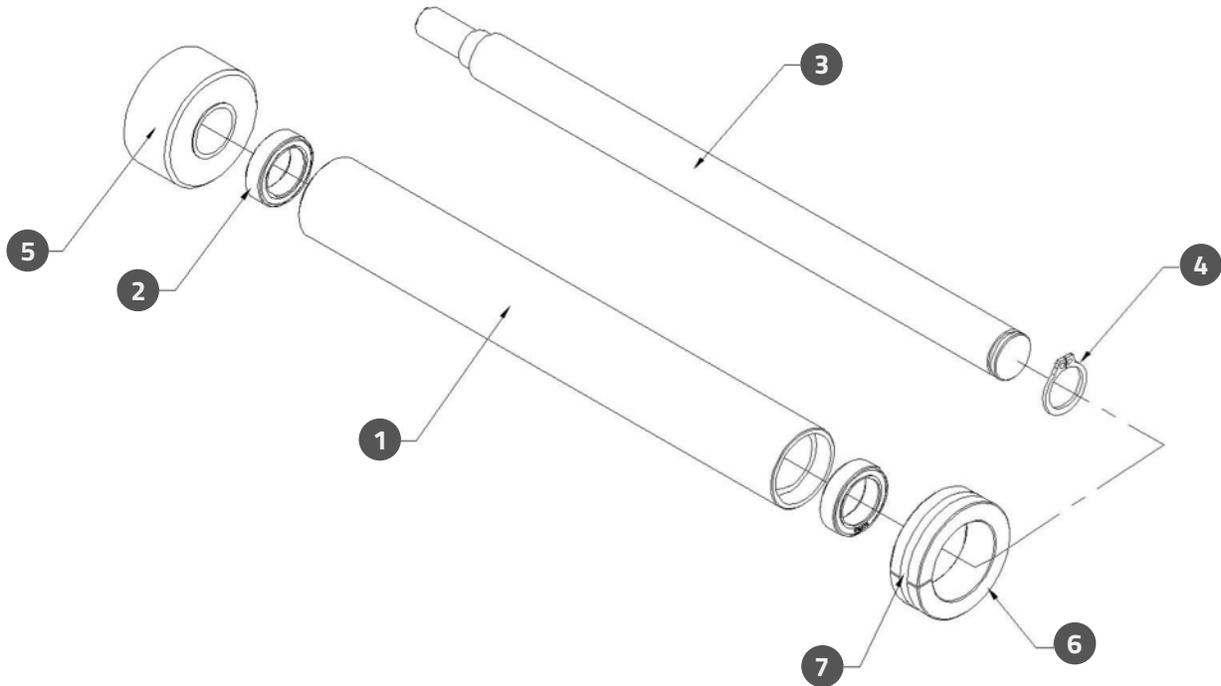
LABEL FIXED ROLLER ASSEMBLY



LABEL FIXED ROLLER ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Label Lead Roller	LA1-PL150-092	1
2	Inner Sleeve Ring	LA1-PL150-021	2
3	Label Lead Roller Shaft	LA1-PL150-093	1
4	S-Ring S12	DCSV-S12	2
5	Lower Label Roller Sleeve - Large	LA1-PL150-019	1
6	Label Position Sleeve - Large	LA1-PL150-039	1
7	Spring	LA1-PL150-052	1

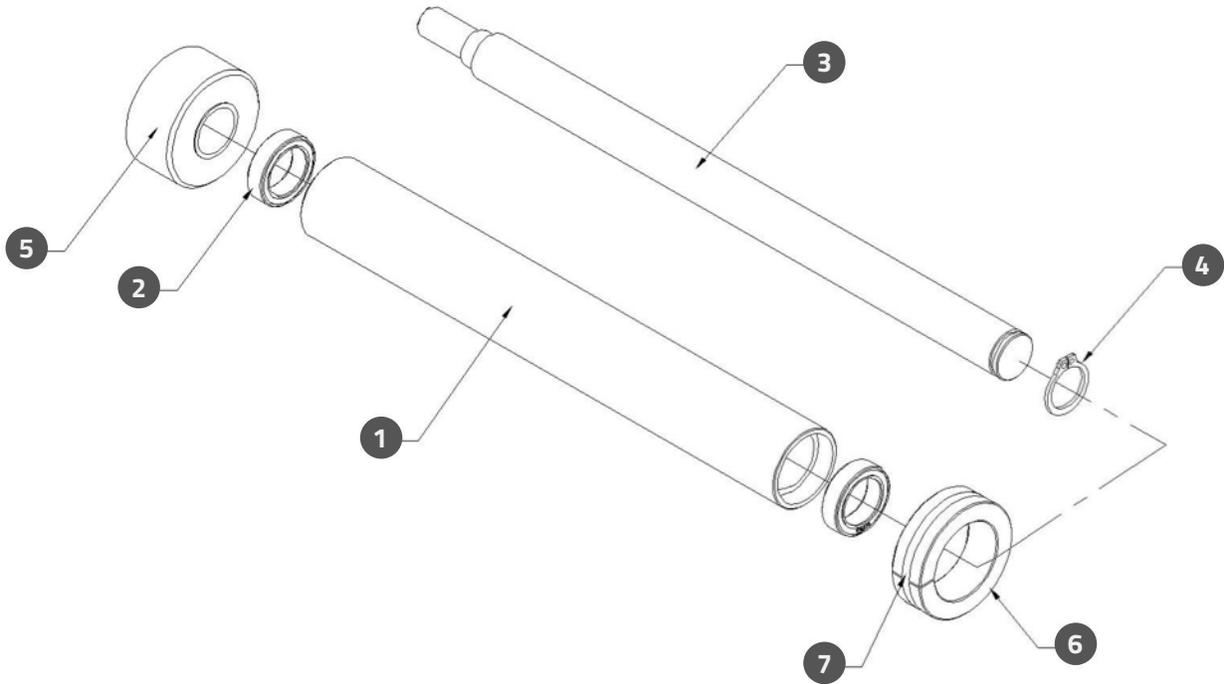
LABEL ROLLER ASSEMBLY 1



LABEL ROLLER ASSEMBLY 1 PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Label Lead Roller	LA1-PL150-092	1
2	Bearing RI1212	5T5W-RI1212	2
3	Label Lead Roller Shaft	LA1-PL150-093	1
4	S-Ring S12	DCSV-S12	2
5	Lower Label Roller Sleeve - Large	LA1-PL150-019	1
6	Label Position Sleeve - Large	LA1-PL150-039	1
7	Spring	LA1-PL150-052	1

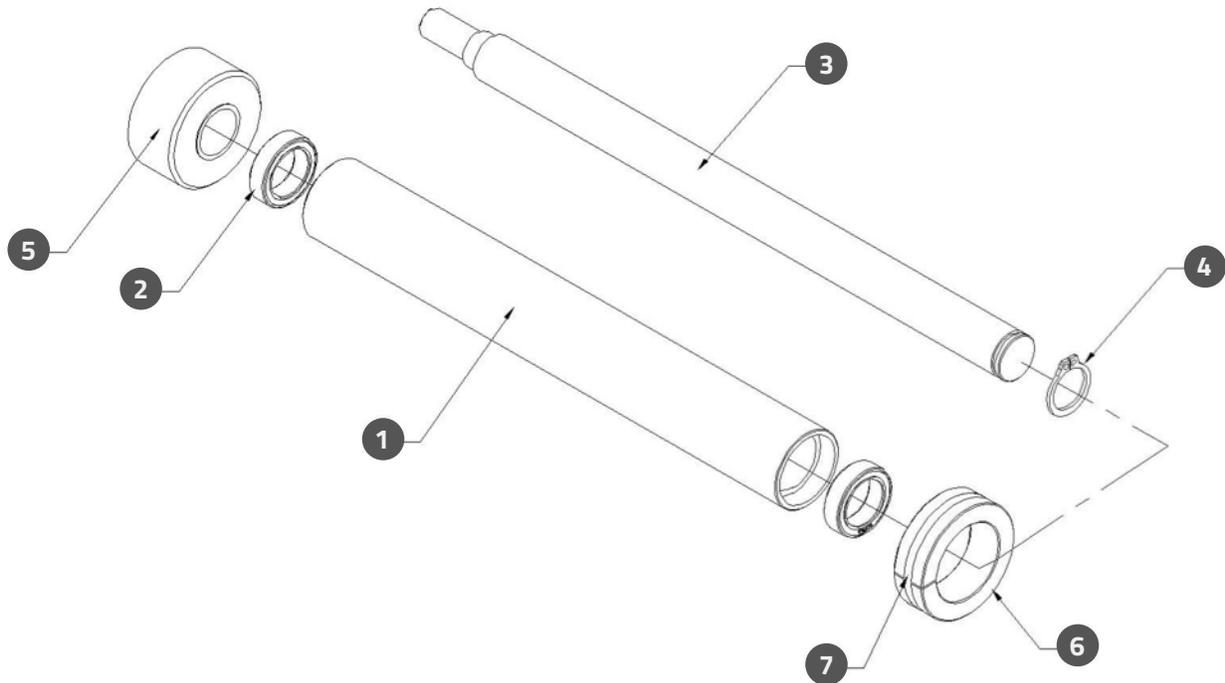
LABEL ROLLER ASSEMBLY 2



LABEL ROLLER ASSEMBLY 2 PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Label Lead Roller	LA1-PL150-092	1
2	Bearing RI1212	5T5W-RI1212	2
3	Label Lead Roller Shaft	LA1-PL150-094	1
4	S-Ring S12	DCSV-S12	2
5	Lower Label Roller Sleeve - Large	LA1-PL150-019	1
6	Label Position Sleeve - Large	LA1-PL150-039	1
7	Spring	LA1-PL150-052	1

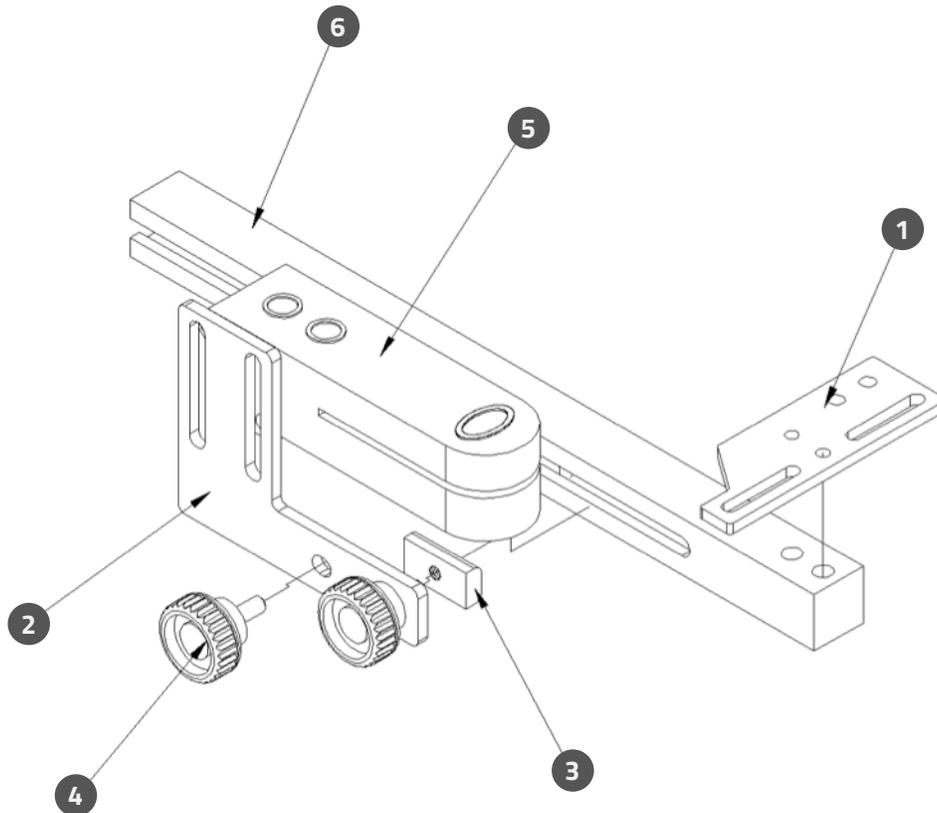
LABEL ROLLER ASSEMBLY 3



LABEL ROLLER ASSEMBLY 3 PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Label Lead Roller	LA1-PL150-092	1
2	Bearing RI1212	5T5W-RI1212	2
3	Label Lead Roller Shaft	LA1-PL150-094	1
4	S-Ring S12	DCSV-S12	2
5	Lower Label Roller Sleeve - Small	LA1-PL150-020	1
6	Label Position Sleeve - Small	LA1-PL150-040	1
7	Spring	LA1-PL150-052	1

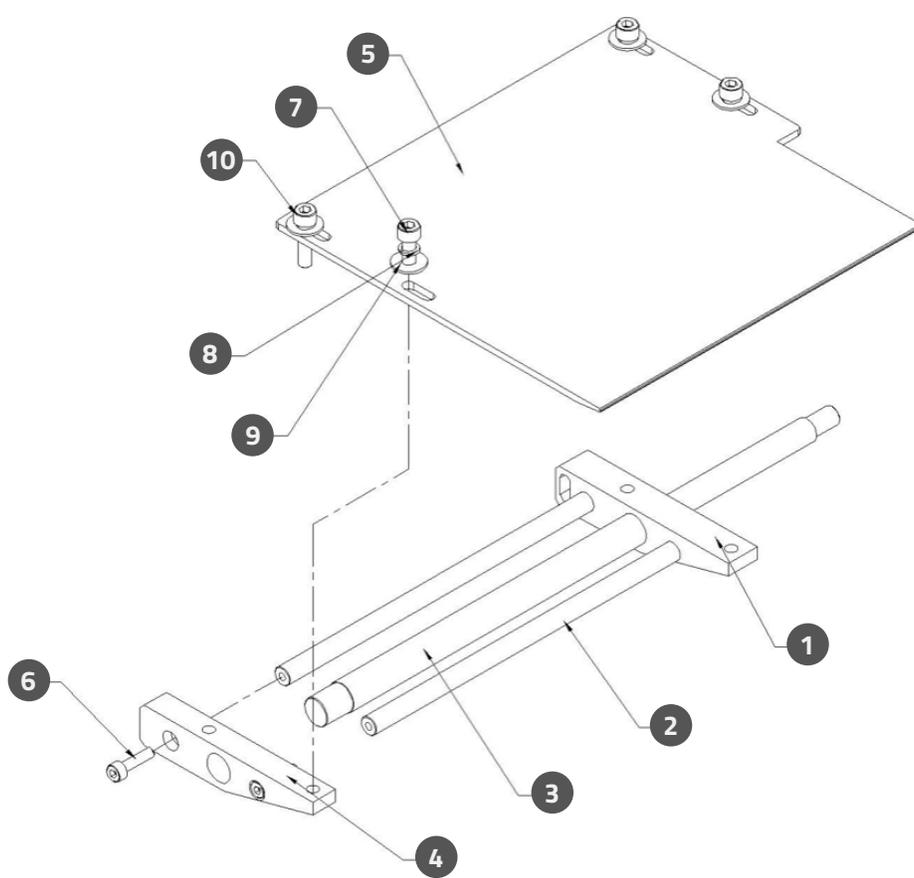
LABEL SENSOR BASE ASSEMBLY



LABEL SENSOR BASE ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Sensor Bar Bracket	LA1-PL150-079B	1
2	Sensor Bracket	SB-10001-04E	1
3	Square Nut N-SM4	XAZV-NSM4	2
4	Hand Knob	51WR-802020M410	2
5	LERC Label Sensor M8 Connection Cable Label Position Sleeve - Large	TT-LERC GEC-6	1 1
6	Sensor Adjustment Bar	LA1-PL150-077C	1

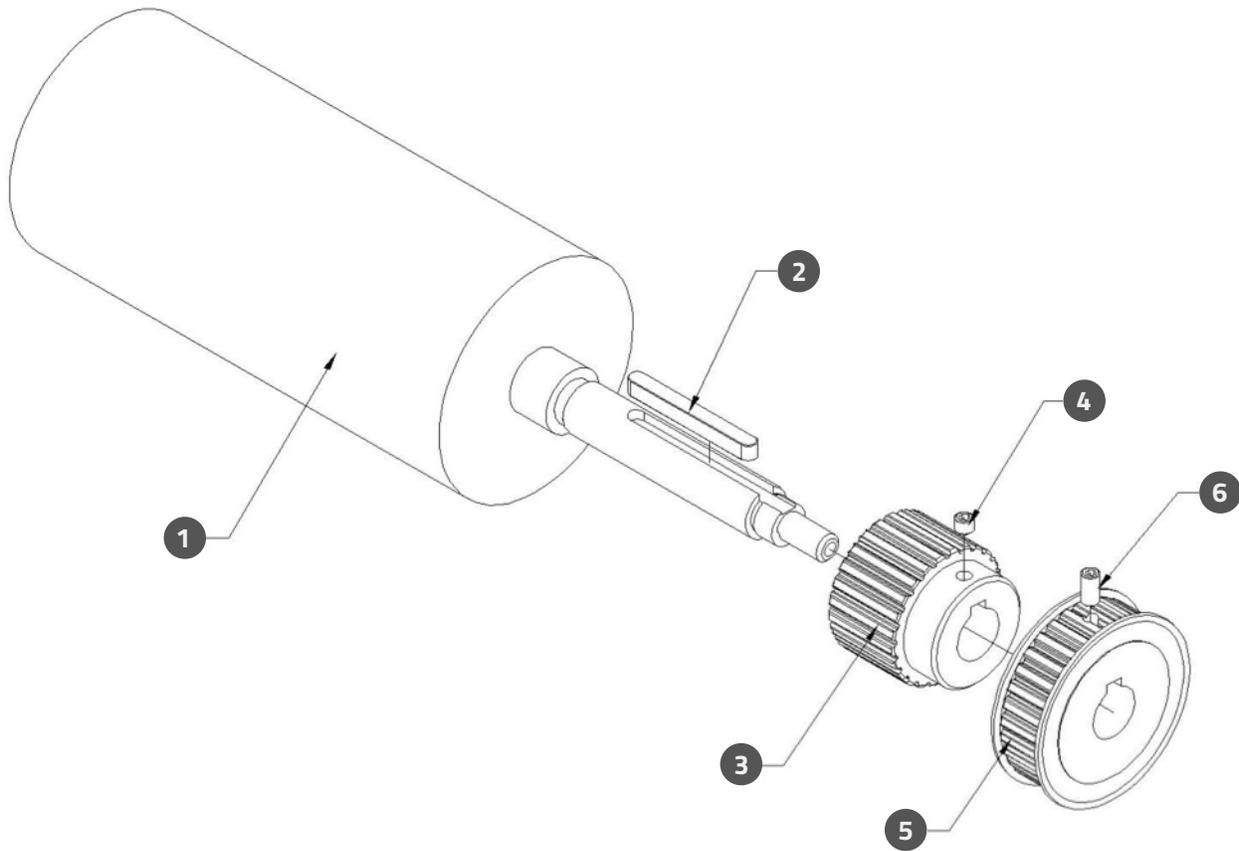
LABEL PEEL PLATE ASSEMBLY



LABEL PEEL PLATE ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Dispensing Plate Bottom Base	LA1-PL150-050B	1
2	Support Shaft	LA1-PL150-060	2
3	Dispensing Master Shaft	LA1-PL150-059B	1
4	Dispensing Plate Upper Base	LA1-PL150-051B	1
5	Dispensing Plate	LA1-PL150-069C	1
6	Socket Head Cap Screws M4	XNJW-M416	4
7	Socket Head Cap Screws M5	XNJW-M516	2
8	Spring Washer M5	2FWO-M5	4
9	Washer M5	XNQC-M5	4
10	Socket Head Cap Screws M5	XNJW-M520	2

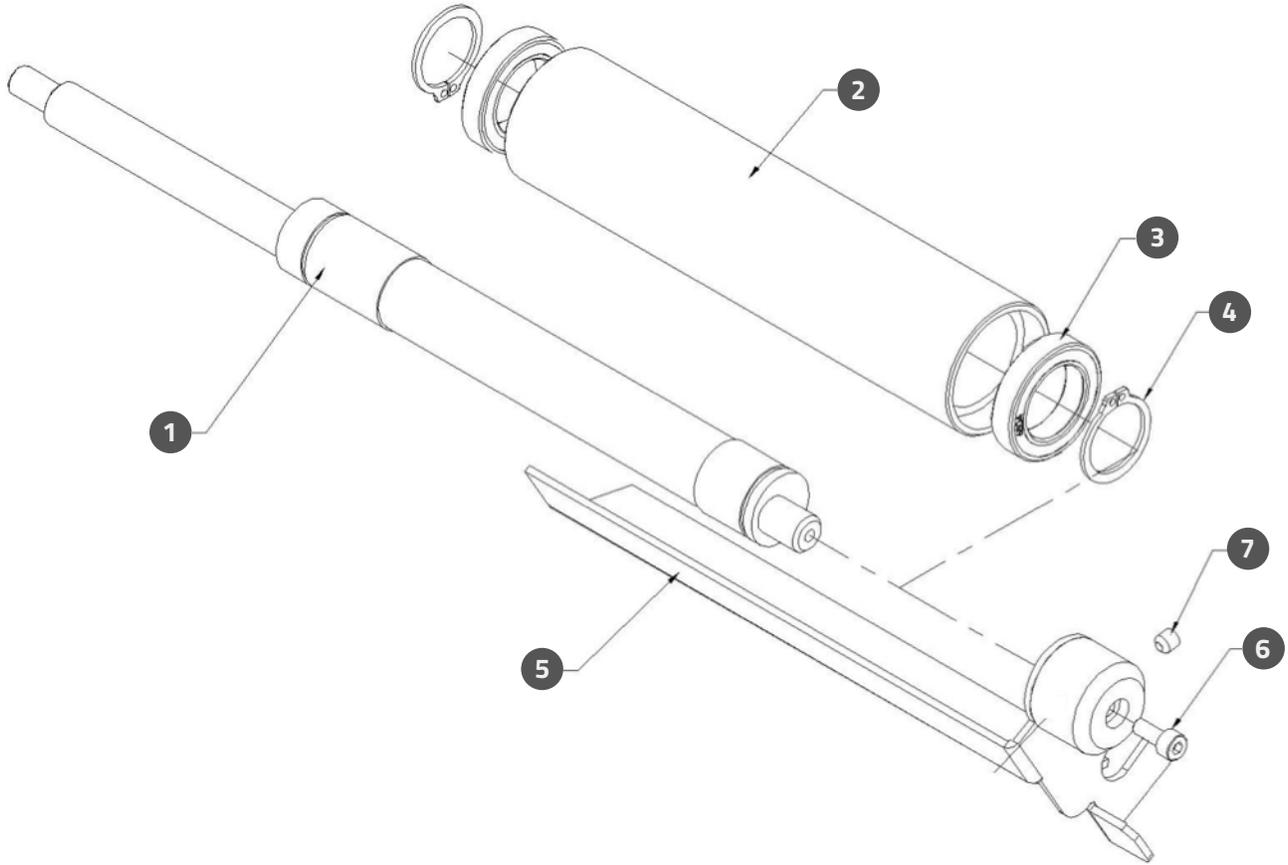
PU ROLLER ASSEMBLY



PU ROLLER ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	PU Roller Shaft	LA1-PL150-053D	1
2	Double Head Round Keys	RGM-5545	1
3	Pulley	LA1-PL150-006	1
4	Socket Set Screw	XN5Z-M55	1
5	Pulley	LA1-PL150-007	1
6	Socket Set Screw	XN5Z-M510	1

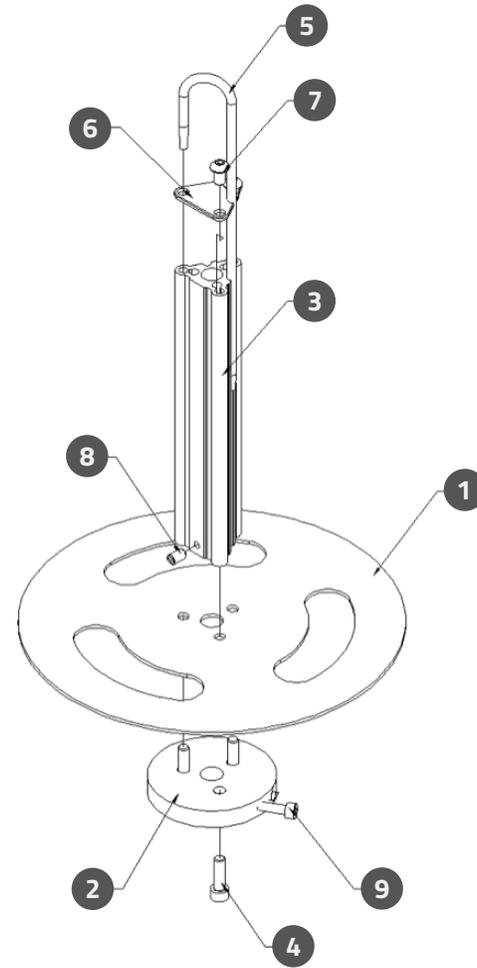
ALUMINIUM KNURLED ROLLER ASSEMBLY



ALUMINIUM KNURLED ROLLER ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Alumunium Knurled Roller Shaft	LA1-PL150-061	1
2	Alumunium Knurled Roller	LA1-PL150-062	1
3	Bearing 6804zz	5TGH-6804zz	2
4	S-Ring S20	DCSV-S20	2
5	Position Plate	LA1-PL150-025	1
6	Socket Head Cap Screws	XNJW-M410	1
7	Socket Set Screw	XN5Z-M55	1

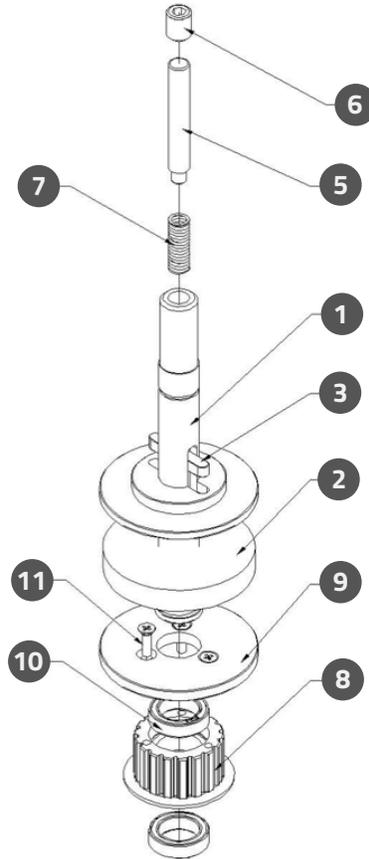
BASE PAPER COLLECT ASSEMBLY 1



BASE PAPER COLLECT ASSEMBLY 1 PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Base Paper Collect Plate	SB-10003-002	1
2	Collect Plate Power Base	SB-10003-001	1
3	Aluminum Extrusion Collect Rod	SB-10003-003B	1
4	Socket Head Cap Screws	XNJW-M620	3
5	Paper Press Rod	LA1-PL150-104	1
6	Press Plate	PRO1000303-020B	1
7	Screw	LA1-PL150-102	2
8	Socket Set Screw	XN5Z-M620	1
9	Socket Head Cap Screws	XNJW-M516	1

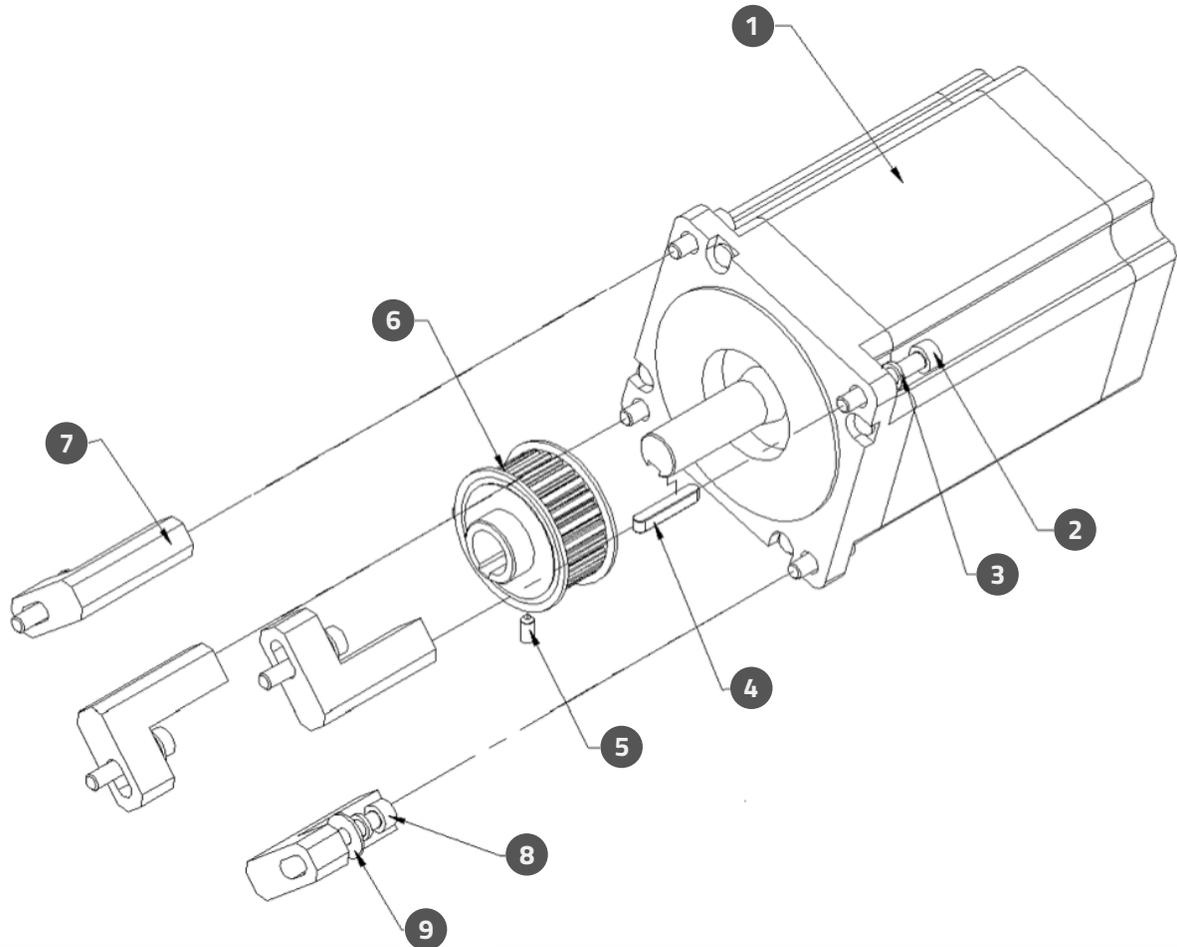
BASE PAPER COLLECT ASSEMBLY 2



BASE PAPER COLLECT ASSEMBLY 2 PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Base paper Collect Transmission Shaft	LA1-PL150-013	1
2	Friction Slice	LA1-PL150-009	1
3	Brake Pressing Plate	LA1-PL150-011	1
4	Double Head Round Keys	RGM-4425	1
5	Top Pin	LA1-PL150-012	1
6	Socket Set Screw	XN5Z-M810	1
7	Spring	LA1-PL150-026	1
8	Pulley	LA1-PL150-008	1
9	Friction Plate	LA1-PL150-010	1
10	Bearing RI1212	5T5W-RI1212	2
11	Bolt	XNAW-M310	3

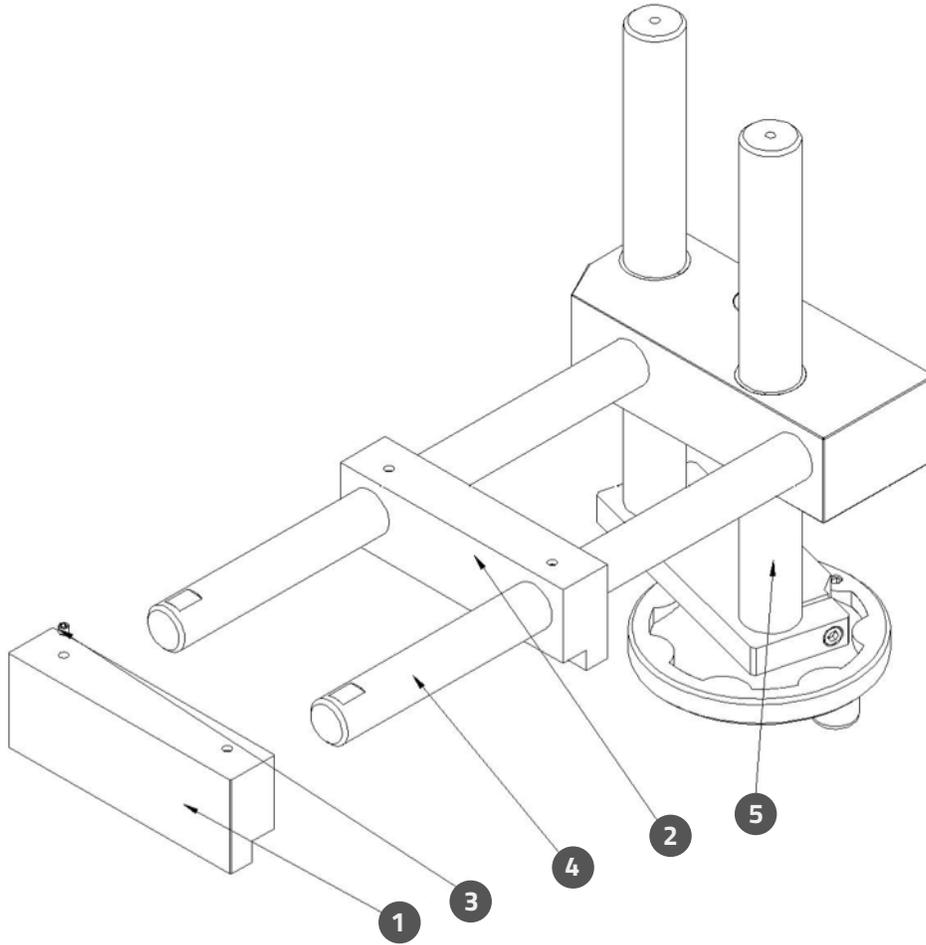
APPLICATOR MOTOR ASSEMBLY



APPLICATOR MOTOR ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Motor SM286352576A	A21R-SM286352576A	1
2	Socket Head Cap Screws	XNJW-M516	4
3	Spring Washer	2FWO-M5	8
4	Double Head Round Keys	RGM-4425	1
5	Socket Set Screw	XN5Z-M610	1
6	Pulley XL-25T-14-4	LA1-PL150-004	1
7	Motor Mount Spacer	LA1-PRO-A1-007B	4
8	Socket Head Cap Screws	XNJW-M525	4
9	Washer	XNQC-M5	4

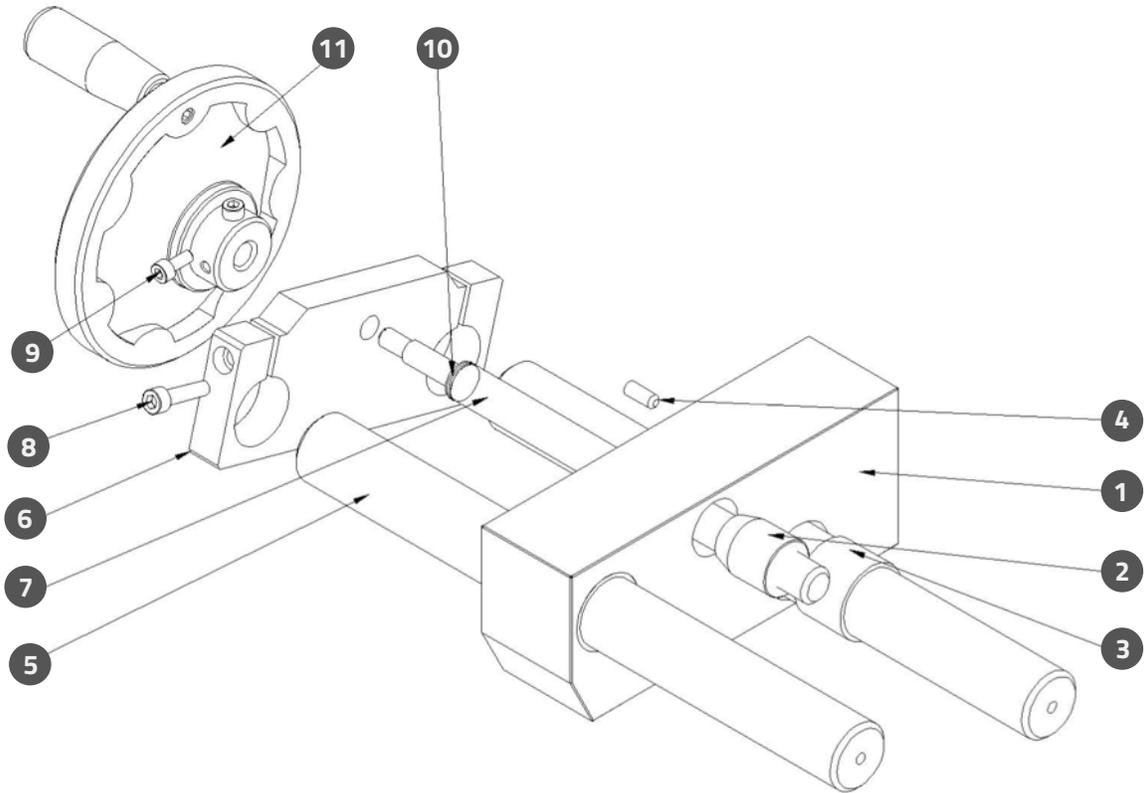
APPLICATOR ADJUSTMENT ASSEMBLY



APPLICATOR ADJUSTMENT ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Applicator Fixture	AA1-PL501-001	1
2	Applicator Fixture	AA1-PL501-016	1
3	Socket Set Screw	XN5Z-M55	4
4	Support Shaft of Applicator	AA1-PL501-015	2
5	Up/Down Adjustment Assembly	See page 52	1

UP/DOWN ADJUSTMENT ASSEMBLY



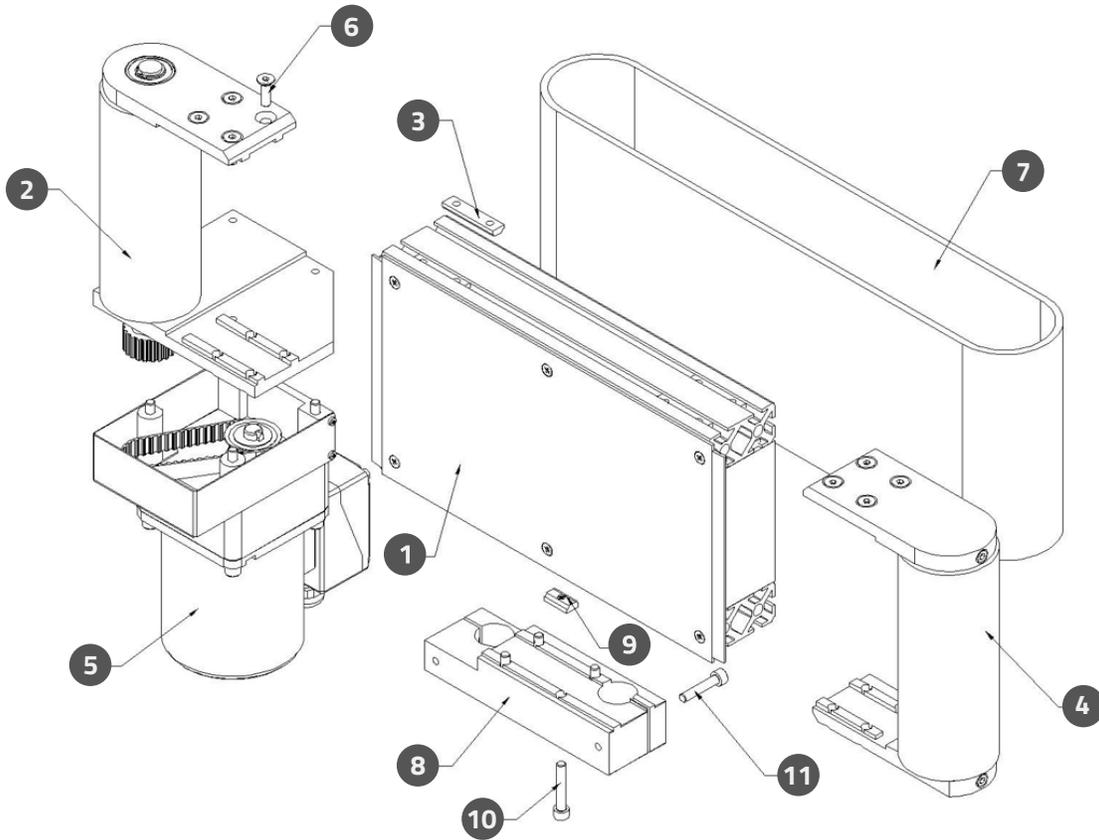
UP/DOWN ADJUSTMENT ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Fixed Base of Applicator	AA1-PL501-013	1
2	Adjustment Screw Nut	AA1-PL501-003B	1
3	DU 3025	5TDU-LBF3025	4
4	Socket Set Screw	XN5Z-M615	2
5	Slide Shaft of Applicator	AA1-PL501-014	2
6	Up/Down Adjustment Fixture	AA1-PL501-011	1
7	Adjustment Screw for Applicator	AA1-PL501-012	1
8	Socket Head Cap Screws M6	XNJW-M625	2
9	Socket Head Cap Screws M5	XNJW-M512	2
10	Nylon Washer	2FN2-101610	6
11	Hand Wheel	QRGX-KRA125CB65	1



WRAP STATION FEATURES

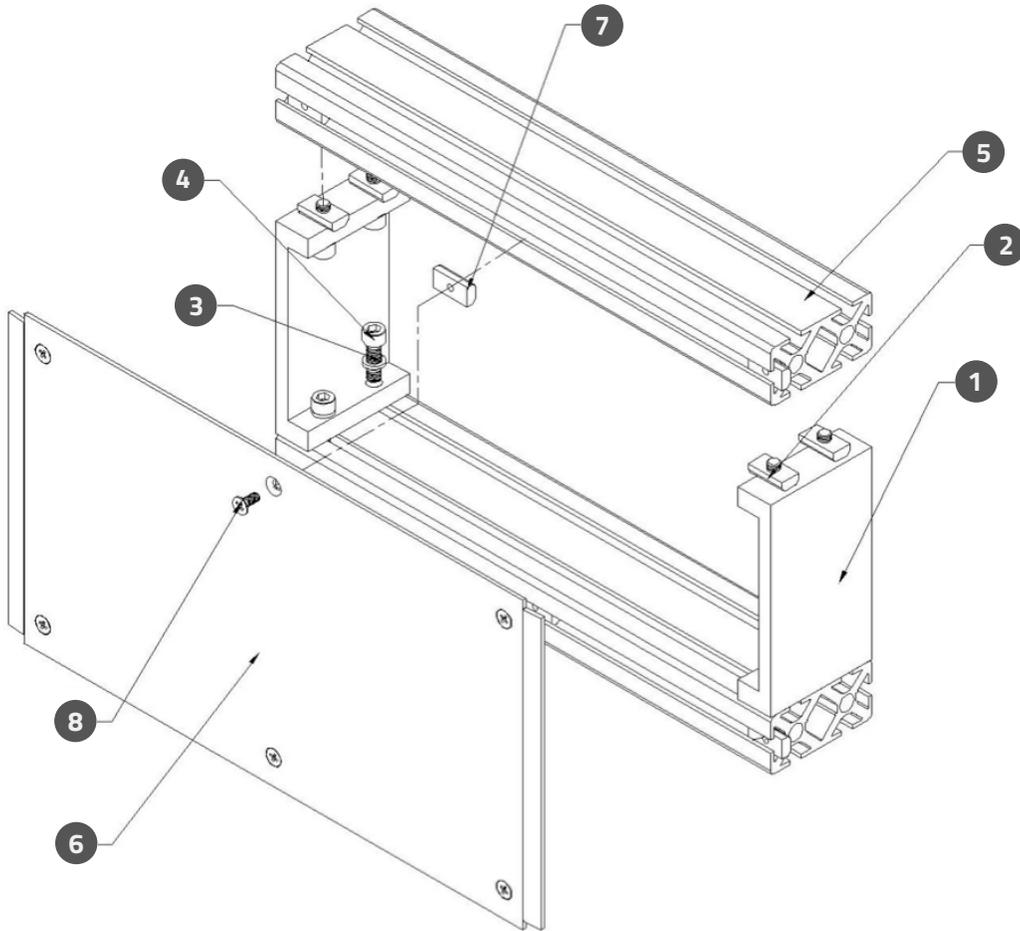
WRAP STATION ASSEMBLY



WRAP STATION ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Wrap Station Frame Assembly	See page 55	1
2	Wrap Station Driving Pulley Assembly	See page 56	1
3	Square Nut	XAZV-N30M6	8
4	Wrap Station Driven Pulley Assembly	See page 57	1
5	Wrap Station Motor Assembly	See page 58	1
6	Bolt M6	XNAW-M620	16
7	Wrap Around Belt 160W*930L	T2EW-160W930L	1
8	Wrap Station Fixed Base	WB1-PL160-010	1
9	Square Nut NS-M6	XAZV-NSM6	4
10	Socket Head Cap Screws M6	XNJW-M635	4
11	Socket Head Cap Screws M6	XNJW-M630	2

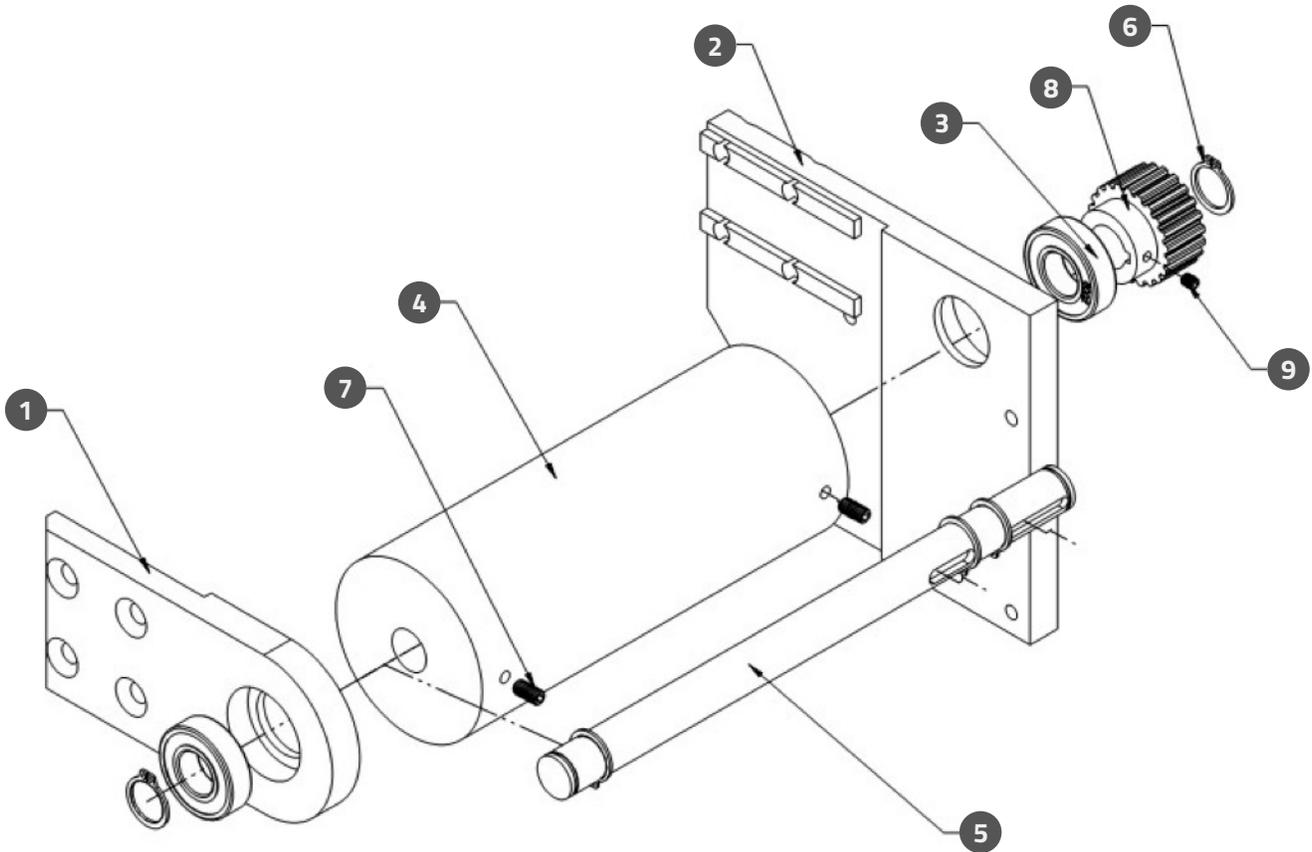
WRAP STATION FRAME ASSEMBLY



WRAP STATION FRAME ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Spacing Plate	WB1-PL160-008B	2
2	Square Nut NS-M6	XAZV-NSM6	4
3	Spring Washer	F2W0-M6	7
4	Socket Head Cap Screws	XNJW-M620	7
5	Aluminum Extrusion Frame	51XR-BP3060292	2
6	Top Plate	WB1-PL160-012	1
7	Square Nut NS-M4	XAZV-NSM4	6
8	Bolt M4*8	M4*8	6

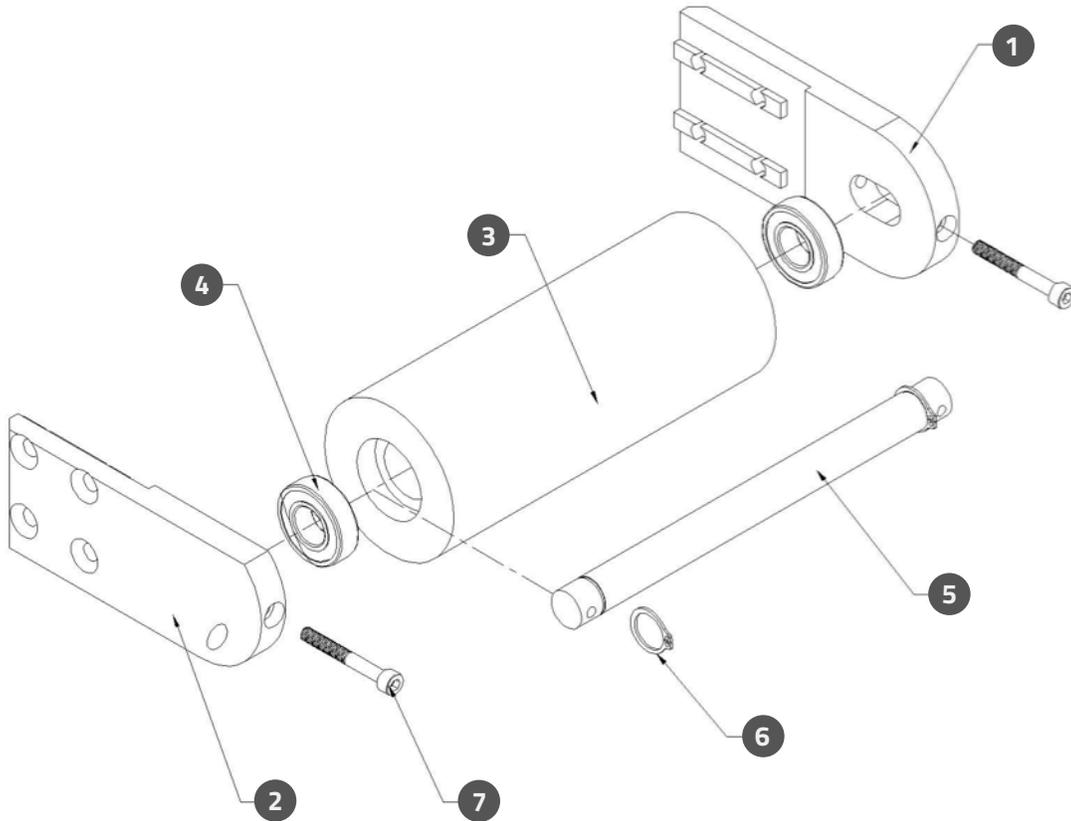
WRAP STATION DRIVING PULLEY ASSEMBLY



WRAP STATION DRIVING PULLEY ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Upper Fixed Plate of Master Roller	WB1-PL160-006	1
2	Lower Fixed Plate of Main Roller	WB1-PL160-003	1
3	Bearing 6002zz	5TGH-6002zz	2
4	Driving Pulley	WB1-PL160-001	1
5	Driving Pulley Shaft	WB1-PL160-002B	1
6	C-Ring S15	DCSV-S15	5
7	Socket Set Screw	XN5Z-M510	2
8	Pulley 22T	T2Q2X-22XL050155	1
9	Socket Set Screw	XN5Z-M45	1

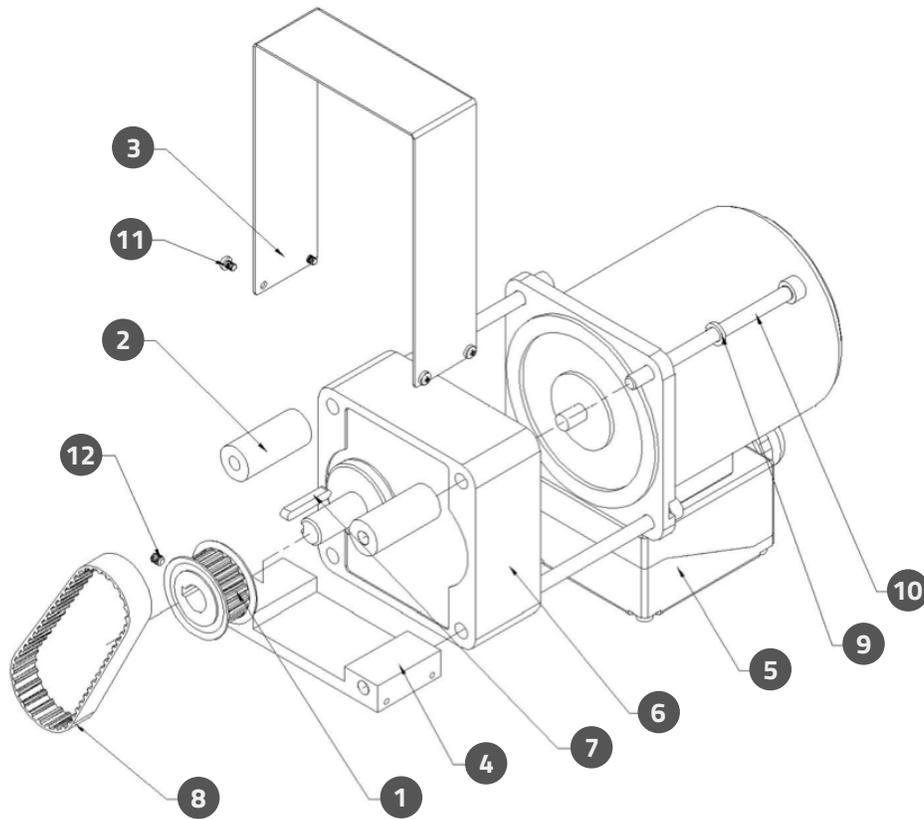
WRAP STATION DRIVEN PULLEY ASSEMBLY



WRAP STATION DRIVEN PULLEY ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Adjustment Plate of Driven Pulley	WB1-PL160-007	1
2	Adjustment Plate of Driven Pulley	WB1-PL160-011	1
3	Driven Pulley	WB1-PL160-013	1
4	Bearing 6002zz	5TGH-6002zz	2
5	Driven Pulley Shaft	WB1-PL160-014B	1
6	C-Ring S15	DCSV-S15	2
7	Socket Head Cap Screws M5	XNJW-M540	2

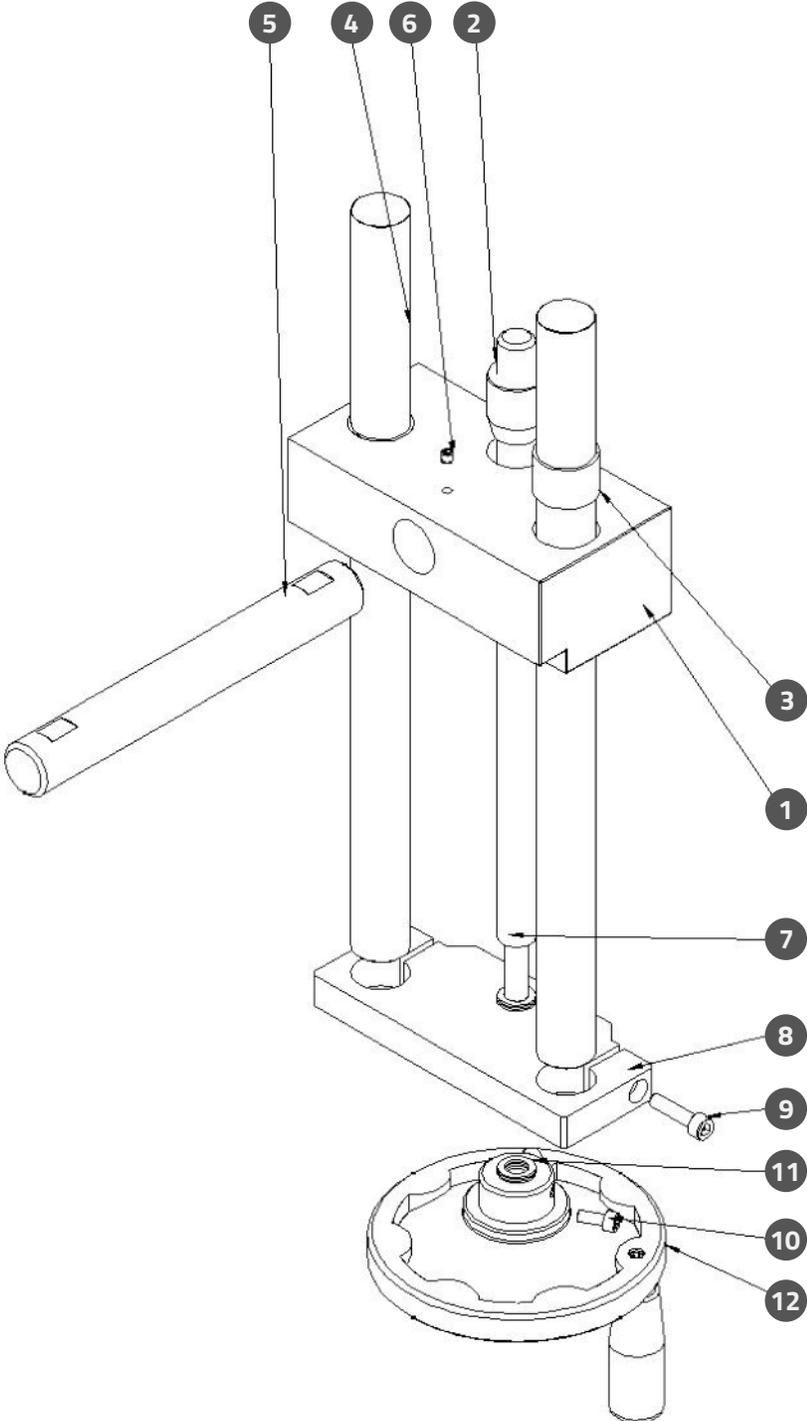
WRAP STATION MOTOR ASSEMBLY



WRAP STATION MOTOR ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Pulley 19T	T2Q2X-19XL050124	1
2	Fixed Pillar of Motor	WB1-PL160-004	2
3	Motor Protect Cover	WB1-PL160-005	1
4	Motor Fixed Plate	WB1-PL160-009	1
5	Motor M9MX40GK4YGA	A2EU-M9MX40GK4YG	1
6	Gear Box MX9G10B	A2RG-MX9G10B	1
7	Double Head Round keys	RGM-4425	1
8	Timing Belt 94XL-050	T2Q2-94XL050	1
9	Spring Washer M6	2FW0-M6	4
10	Socket Head Cap Screws M6	XNJW-M690	4
11	Cross Recess Head Screw	XNMW-M34	4
12	Socket Set Screw	XN5Z-M45	1

WRAP STATION UP/DOWN ADJUSTMENT ASSEMBLY



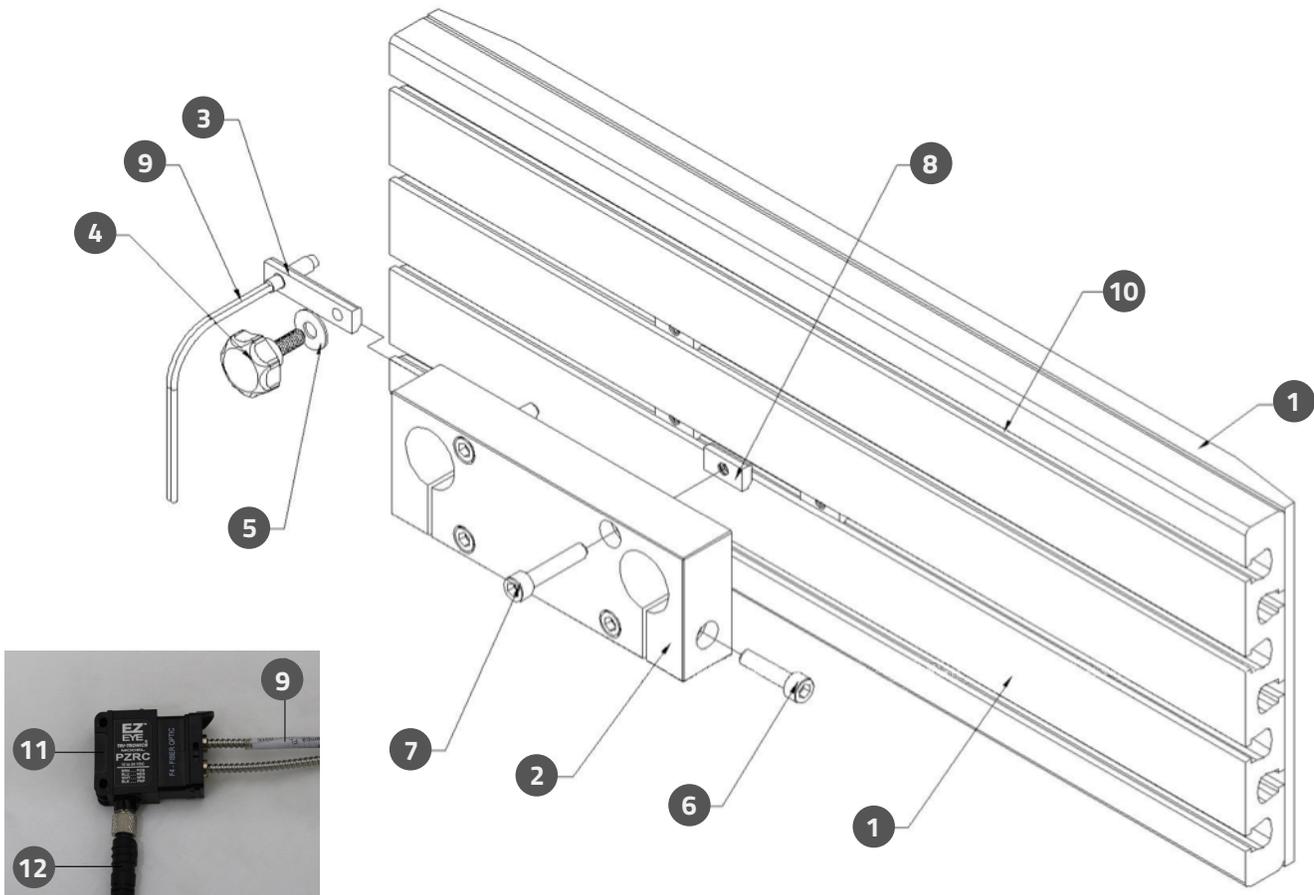
WRAP STATION UP/DOWN ADJUSTMENT ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Fixed Base of Wrap Station	AA1-PL501-009	1
2	Adjustment Screw Nut	AA1-PL501-003B	1
3	DU 2520	5TDU-LBF2520	4
4	Width Sliding Shaft D25*400	512C-25D400	2
5	Position Shaft of Wrap Station	AA1-PL501-102B	1
6	Socket Set Screw	XN5Z-M55	1
7	Up & Down Adjustment Screw	AA1-PL501-007	1
8	Up & Down Adjustment Fixture	AA1-PL501-005B	1
9	Socket Head Cap Screws	XNJW-M625	2
10	Socket Head Cap Screws	XNJW-M512	2
11	Nylon Washer	2FN2-101610	6
12	Hand Wheel	QRGX-KRA125CB65	1



PRESSURE PLATE

PRESSURE PLATE ASSEMBLY

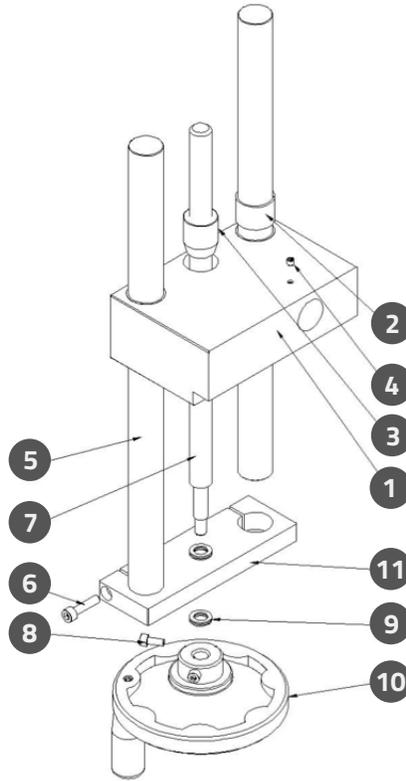


PRESSURE PLATE ASSEMBLY PART LIST



NO.	DESCRIPTION	PARTS NO.	QTY.
1	Pressure Rubber	WB1-PL160-023	1
2	Fixed Base of Pressure Plate	WB1-PL160-015	1
3	Sensor Bar	WB1-PL160-016	1
4	Knob	51WR-606025M615	1
5	Washer M6	XNQC-M6	1
6	Socket Head Cap Screws	XNJW-M625	2
7	Socket Head Cap Screws	XNJW-M630	4
8	Square Nut NS-M6	XAZV-NSM6	4
9	Fiber	TT-MBF-A-36T	1
10	Pressure Plate	SB-10506-001	1
11	Sensor Amplifier	TT-PZRC-F4	1
12	M8 Connecting Cable	GEC-6	1

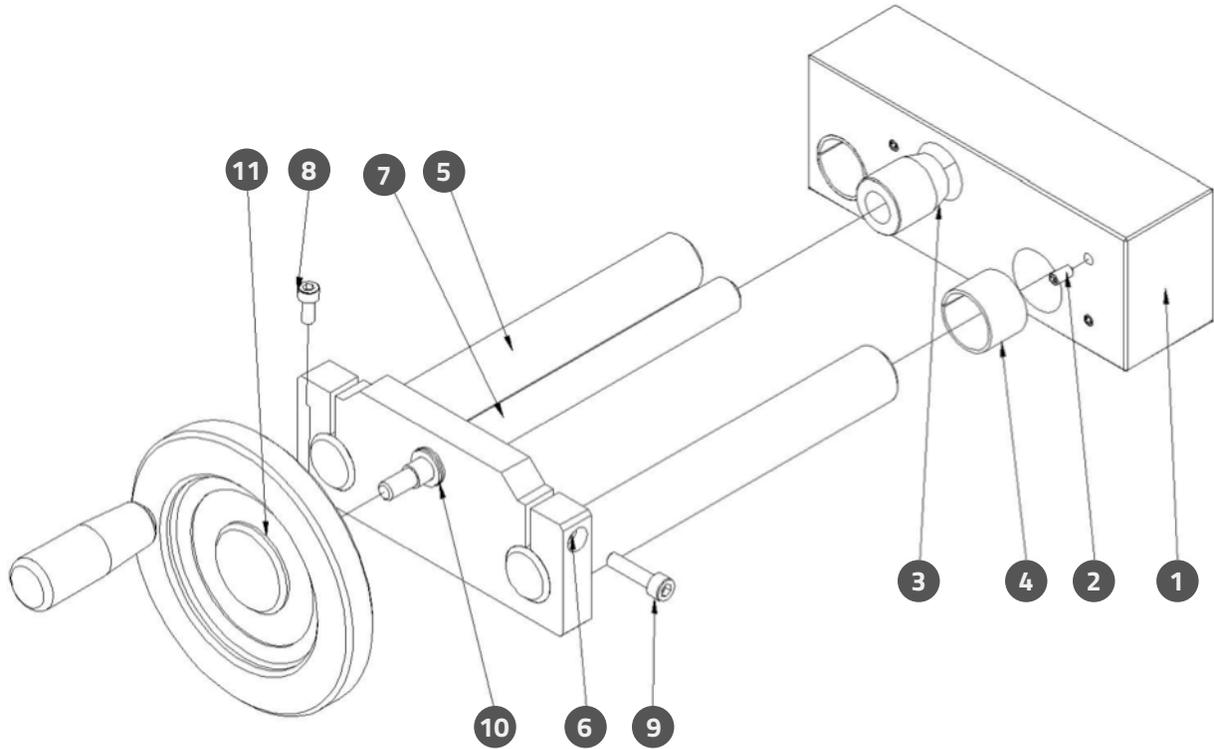
PRESSURE PLATE UP/DOWN ADJUSTMENT ASSEMBLY



PRESSURE PLATE UP/DOWN ADJUSTMENT ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Fixed Base of Wrap Station	AA1-PL501-006	1
2	DU 2520	5TDU-LBF2520	4
3	Adjustment Screw Nut	AA1-PL501-003B	1
4	Socket Set Screw	XN5Z-M55	1
5	Width Sliding Shaft D25*480	512C-25D480	2
6	Socket Head Cap Screws	XNJW-M625	2
7	Up & Down Adjustment Screw	AA1-PL501-007	1
8	Socket Head Cap Screws	XNJW-M512	2
9	Nylon Washer	2FN2-101610	6
10	Hand Wheel	QRGX-KRA125CB65	1
11	Up & Down Adjustment Fixture	AA1-PL501-008B	1

PRESSURE PLATE FRONT/BACK ADJUSTMENT ASSEMBLY



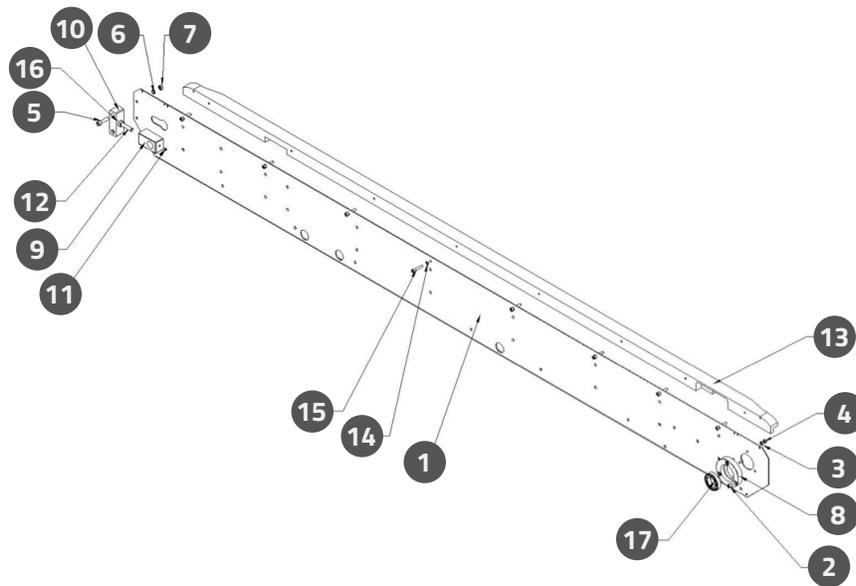
PRESSURE PLATE FRONT/BACK ADJUSTMENT ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Support Bar of Pressure Plate	AA1-PL501-002	1
2	Socket Set Screw	XN5Z-M510	5
3	Adjustment Screw Nut	AA1-PL501-003B	1
4	DU 2520	5TDU-LBF2520	5
5	Width Sliding Shaft D25*270	512C-25D200	2
6	Up & Down Adjustment Fixture	AA1-PL501-005B	1
7	Width Adjustment Screw	AA1-PL501-004	1
8	Socket Head Cap Screws	XNJW-M512	2
9	Socket Head Cap Screws	XNJW-M625	2
10	Nylon Washer	2FN2-101610	6
11	Hand Wheel	QRGX-KRA125CB65	1



CONVEYOR

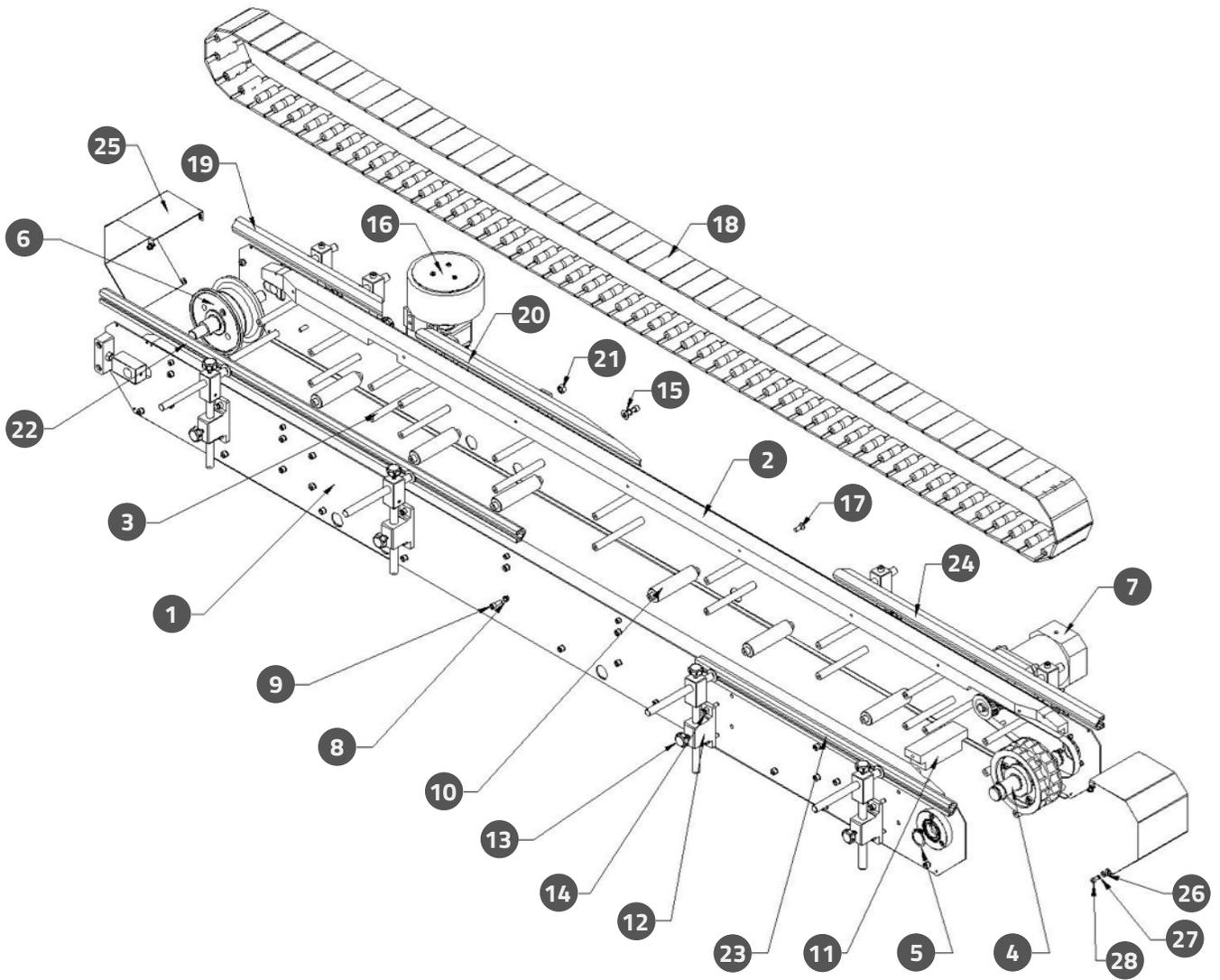
CONVEYOR FRONT SIDE PLATE ASSEMBLY



CONVEYOR FRONT SIDE PLATE ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Conveyor Side Plate	CV1-PL501-005C	1
2	Socket Head Cap Screws	XNJW-M516	3
3	Spring Washer	2FW0-M5	3
4	Hex Nuts	XAXR-M5	3
5	Socket Head Cap Screws	XNJW-M625	2
6	Spring Washer	2FW0-M6	2
7	Hex Nuts	XAXR-M6	2
8	Bearing Base	CV1-PL501-006	1
9	Conveyor Adjustment Bar	CV1-PL501-004	1
10	Conveyor Adjustment Fixture	CV1-PL501-003	1
11	Socket Set Screw	XN5Z-M55	1
12	Socket Head Cap Screws	XNJW-M850	1
13	Conveyor Sliding Rail	CV1-PL502-002	1
14	Spring Washer	2FW0-M5	8
15	Socket Head Cap Screws	XNJW-M525	8
16	Hex Nuts	XAXR-M8	1
17	Bearing 6905zz	5TGH-6905zz	1

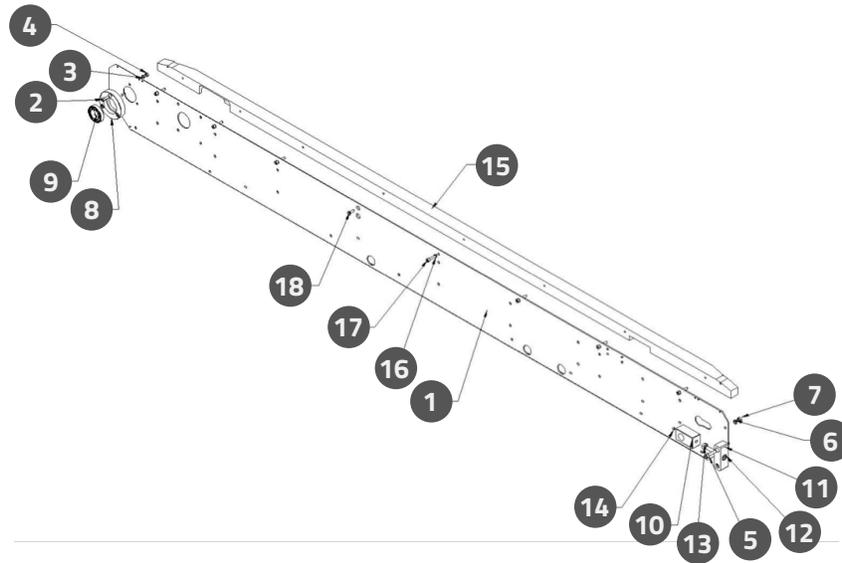
CONVEYOR ASSEMBLY



CONVEYOR ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Conveyor Front Side Plate Assembly	See page 66	1
2	Conveyor Back Side Plate Assembly	See page 69	1
3	Spacing Pillar	CV1-PL501-011	29
4	Conveyor Driving Pulley Assembly	See page 70	1
5	S-Ring S25	DCSV-S25	4
6	Conveyor Driven Pulley Assembly	See page 71	1
7	Conveyor Motor Assembly	See page 72	1
8	Spring Washer M6	2FW0-M6	43
9	Socket Head Cap Screws	XNJW-M616	39
10	Conveyor Sliding Wheel	CV1-PL501-007	6
11	Conveyor Base	FT1-PL501-001	2
12	Supporter of Guide Rail	GR1-PL501-001	8
13	Knob	51WR-606025M615	8
14	Socket Head Cap Screws	XNJW-M625	20
15	Washer	XNQC-M6	4
16	Bottle Separator Assembly	See page 73	1
17	Bolt M6	XNAW-M616	1
18	Conveyor Chain 820K600	T2GB-820K325	107
19	Guide Rail A01	See page 75	1
20	Guide Rail A02	See page 76	1
21	Hex Nuts	XAXR-M8	2
22	Guide Rail A03	See page 77	1
23	Guide Rail A04	See page 78	1
24	Guide Rail A05	See page 79	1
25	Cover of Conveyor End	CV1-PL501-001	2
26	Washer M4	XNQC-M4	8
27	Spring Washer M4	2FW0-M4	8
28	Socket Head Cap Screws	XNJW-M410	8

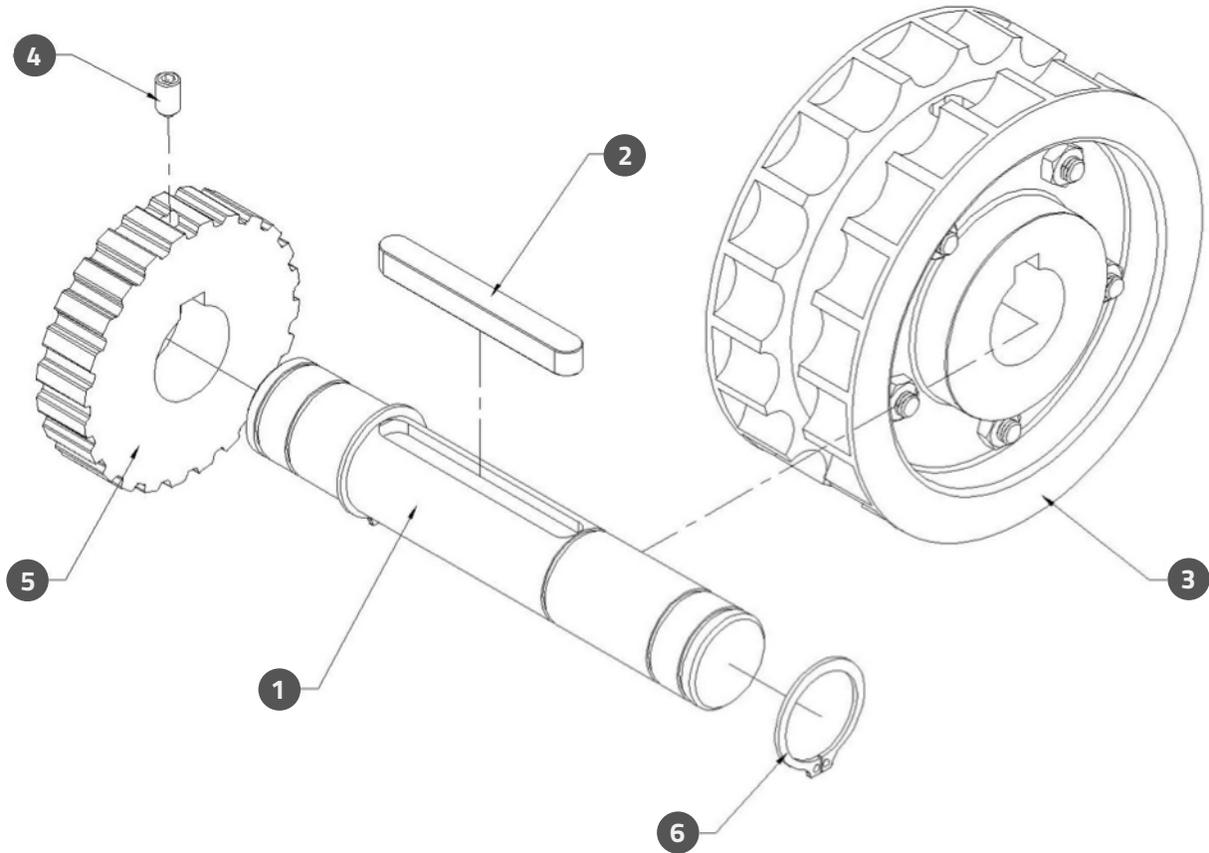
CONVEYOR BACK SIDE PLATE ASSEMBLY



CONVEYOR BACK SIDE PLATE ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Conveyor Side Plate	CV1-PL501-009C	1
2	Socket Head Cap Screws	XNJW-M516	3
3	Spring Washer	2FW0-M5	3
4	Hex Nuts	XAXR-M5	3
5	Socket Head Cap Screws	XNJW-M625	2
6	Spring Washer	2FW0-M6	2
7	Hex Nuts	XAXR-M6	2
8	Bearing Base	CV1-PL501-006	1
9	Bearing 6905zz	5TGH-6905zz	1
10	Conveyor Adjustment Bar	CV1-PL501-004	1
11	Conveyor Adjustment Fixture	CV1-PL501-003	1
12	Socket Head Cap Screws	XNJW-M850	1
13	Hex Nuts	XAXR-M8	1
14	Socket Set Screw	XN5Z-M55	1
15	Conveyor Sliding Rail	CV1-PL502-010	1
16	Spring Washer	2FW0-M5	7
17	Socket Head Cap Screws	XNJW-M525	7
18	Pan head Screws Hexagon	XNAW-M616	1

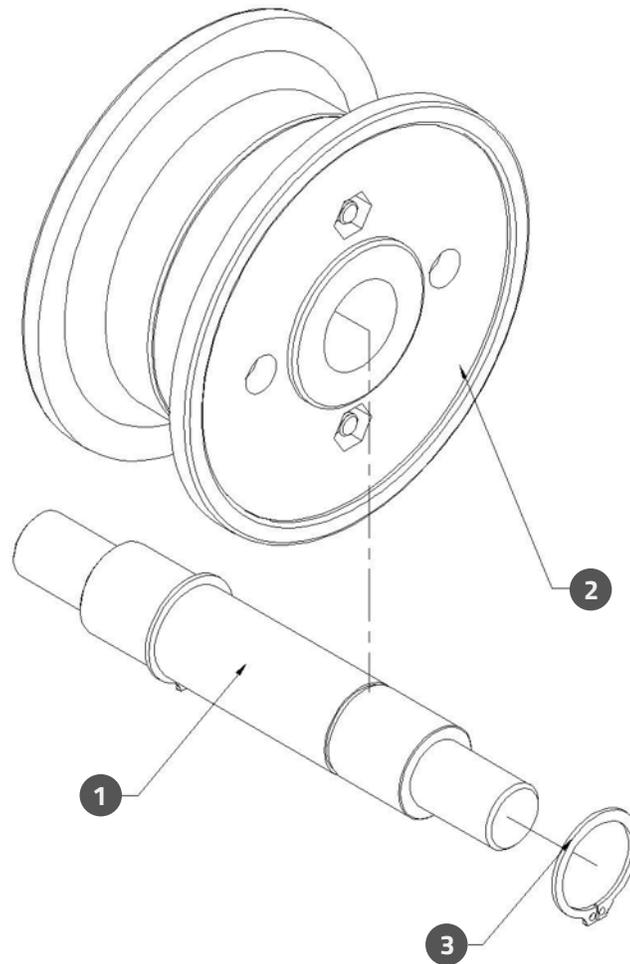
CONVEYOR DRIVING PULLEY ASSEMBLY



CONVEYOR DRIVING PULLEY ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Driving Wheel Pulley	CV1-PL502-008	1
2	Double Head Round Keys	RGM-8763	1
3	Driving Pulley	T2GE-3820-19TD25	1
4	Socket Set Screw	XN5Z-M610	1
5	Driven Pulley	T2Q2X-24L050258	1
6	S-Ring S25	DCSV-S25	2

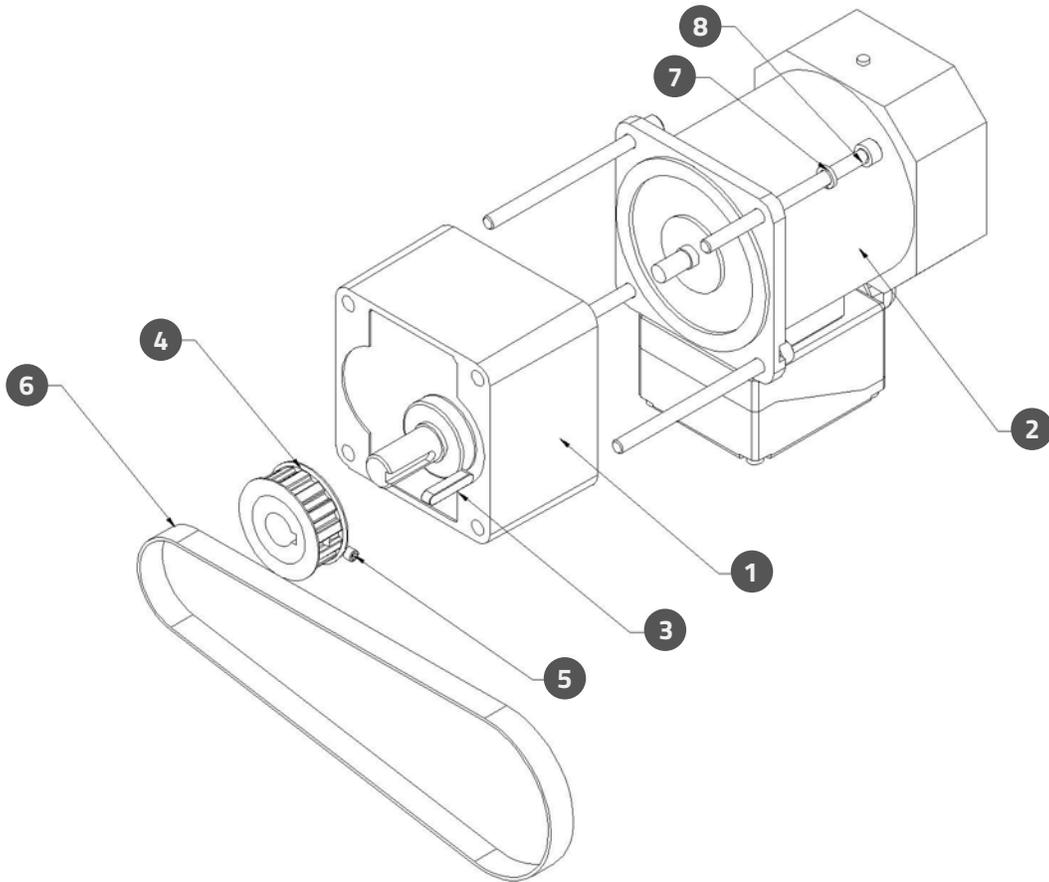
CONVEYOR DRIVEN PULLEY ASSEMBLY



CONVEYOR DRIVEN PULLEY ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Driven Pulley Shaft	CV1-PL502-012	1
2	Driven Pulley 19T	T2GE-5820-19TD25	1
3	S-Ring S25	DCSV-S25	2

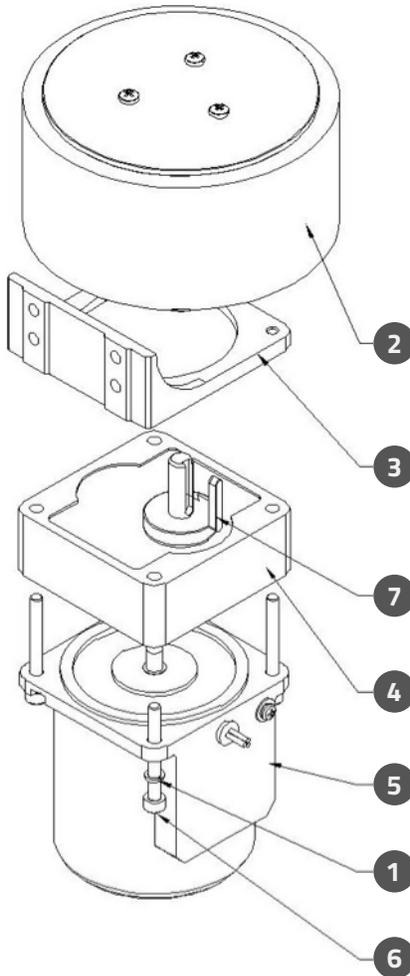
CONVEYOR MOTOR ASSEMBLY



CONVEYOR MOTOR ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Gear Box MZ9G20B	A2RG-MZ9G20B	1
2	Motor M9MZ60GK4YG	A2EU-M9MZ60GK4YGA	1
3	Double Head Round Keys	RGM-5525	1
4	Driving Pulley	T2Q2X-14L050155	1
5	Socket Set Screw	XN5Z-M55	1
6	Timing Belt 210L-050	T2Q2-210L050	1
7	Spring Washer	2FW0-M6	4
8	Socket Head Cap Screws	XNJW-M690	4

BOTTLE SEPARATOR ASSEMBLY



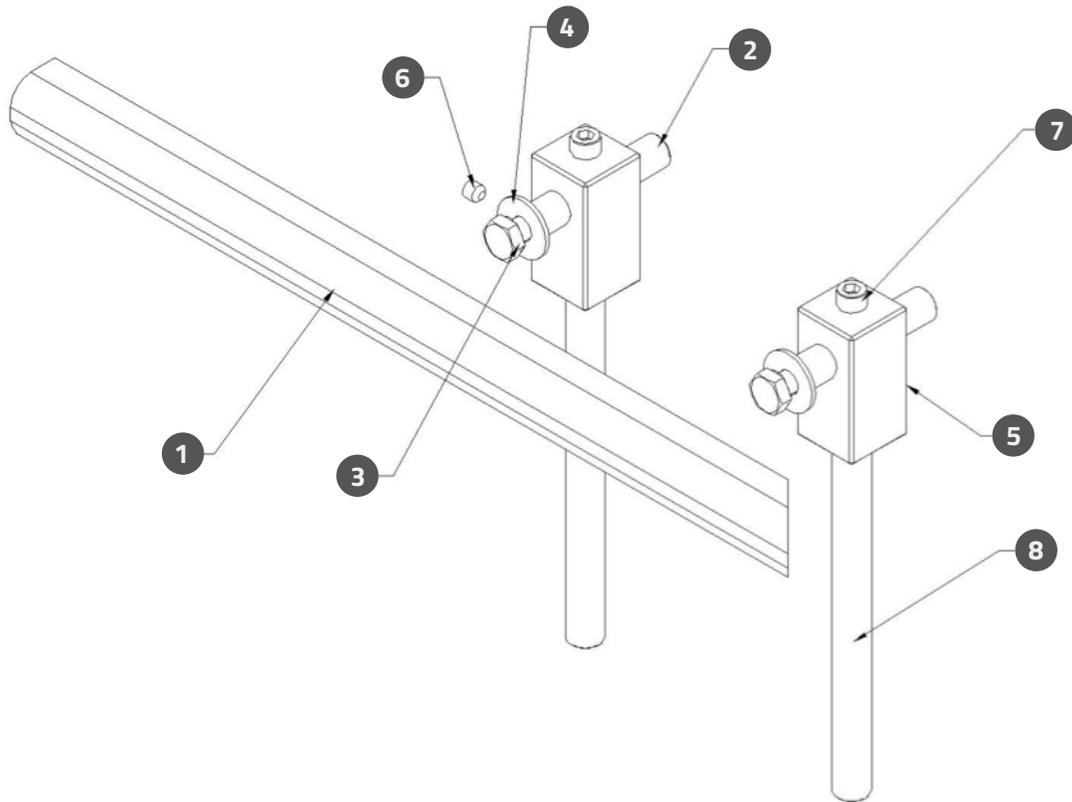
BOTTLE SEPARATOR ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Spring Washer	2FW0-M5	8
2	Bottle Separator	WS1-PL501	1
3	Motor Base	A2QR-M8B2	1
4	Gear Box MX8G50B	A2RG-MX8G50B	1
5	Motor M81X25GV4GGA	A2EU-M81X25GV4GG	1
6	Socket Head Cap Screws M5*45	XNJW-M545	4
7	Double Head Round Keys	RGM-4425	1



GUIDE RAIL

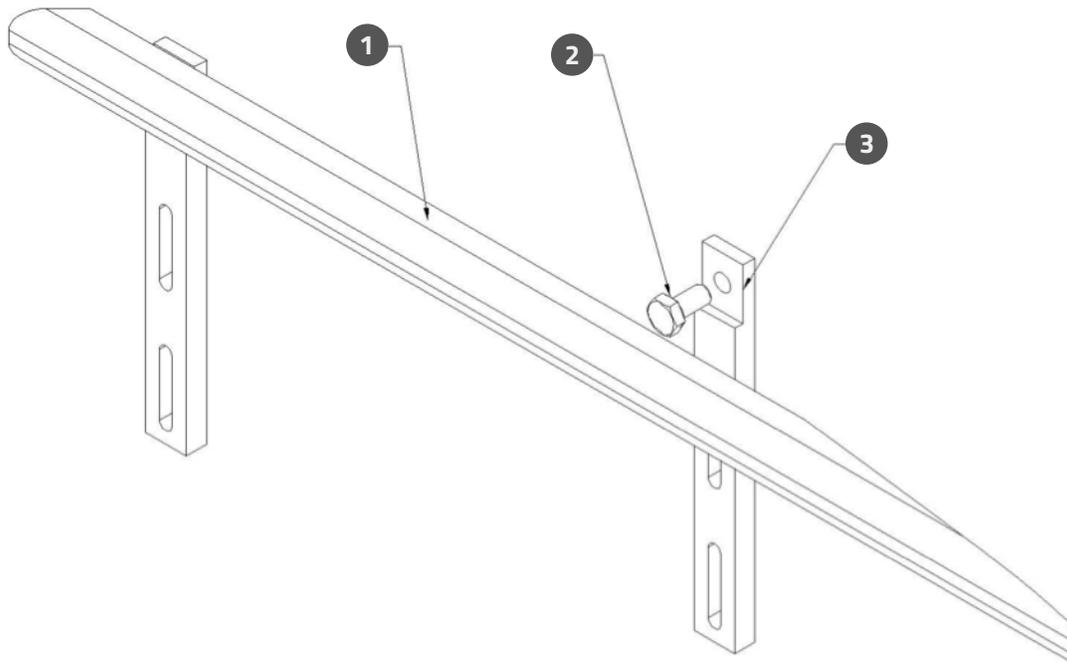
GUIDE RAIL A01 ASSEMBLY



GUIDE RAIL A01 ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Guide Rail	GR1-PL501-008	1
2	Adjustment Pillar of Guide Rail	51CX-K-PIN-60	2
3	Hexagon Head Set Screw	XNKW-M816	2
4	Washer M8	XNQC-M8	2
5	Adjustment Bar of Guide Rail	GR1-PL501-002	2
6	Socket Set Screw	XN5Z-M66	3
7	Socket Head Cap Screws	XNJW-M610	2
8	Up & Down Adjustment Pillar	51CX-K-UB-160	2

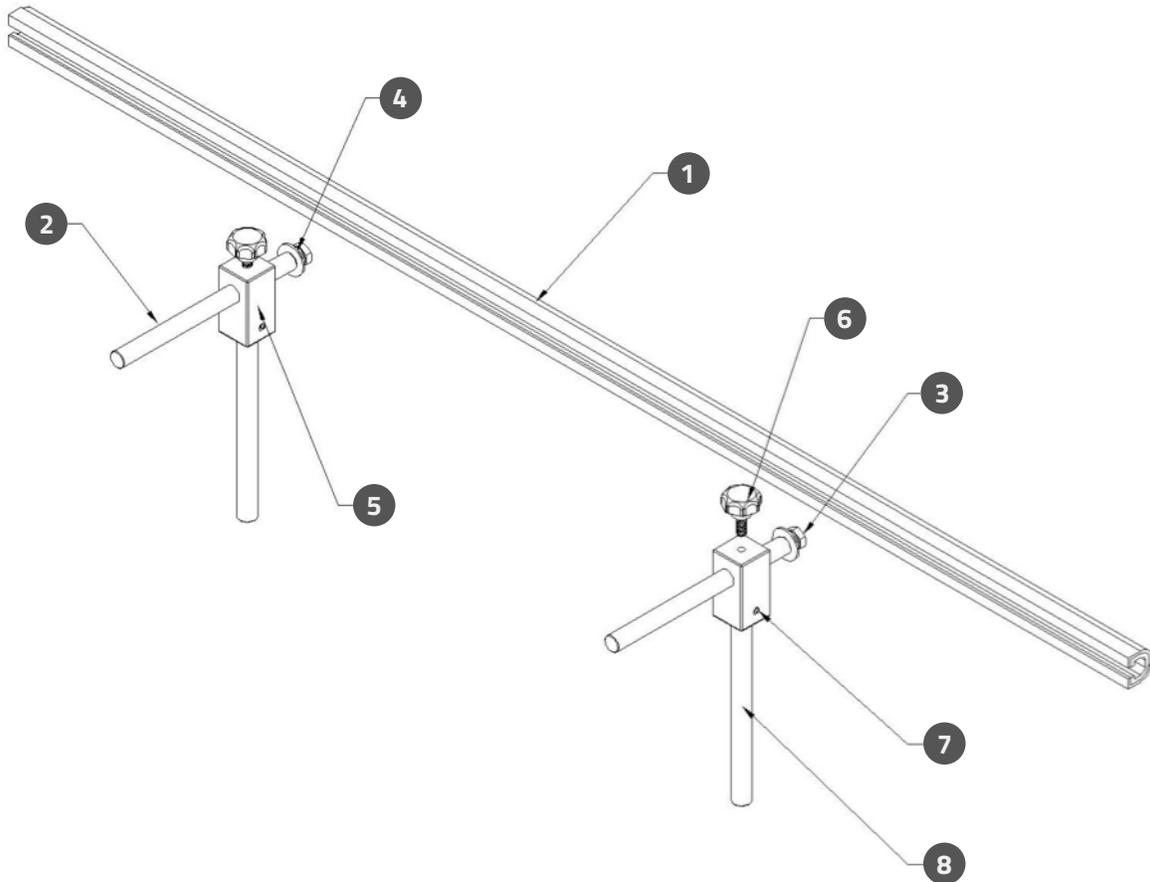
GUIDE RAIL A02 ASSEMBLY



GUIDE RAIL A02 ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Guide Rail	GR1-PL501-007	1
2	Hexagon Head Set Screw	XNKW-M816	2
3	Guide Rail Fixed Base	GR1-PL501-003	2

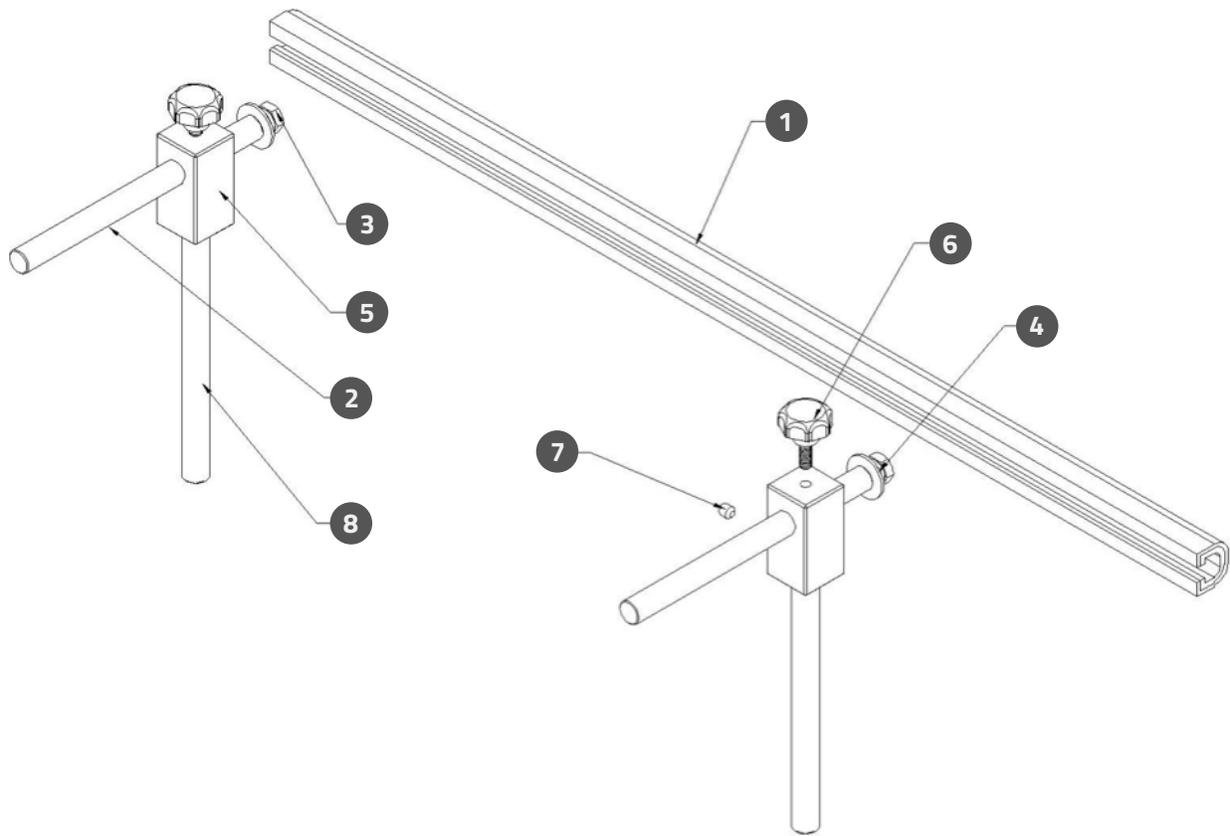
GUIDE RAIL A03 ASSEMBLY



GUIDE RAIL A03 ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Guide Rail	GR1-PL501-004	1
2	Adjustment Pillar of Guide Rail	51CX-K-PIN-150	2
3	Hexagon Head Set Screw	XNKW-M816	2
4	Washer M8	XNQC-M8	2
5	Adjustment Bar of Guide Rail	GR1-PL501-002	2
6	Knob	51WR-606025M615	4
7	Socket Set Screw	XN5Z-M66	2
8	Up & Down Adjustment Pillar	51CX-K-UB-160	2

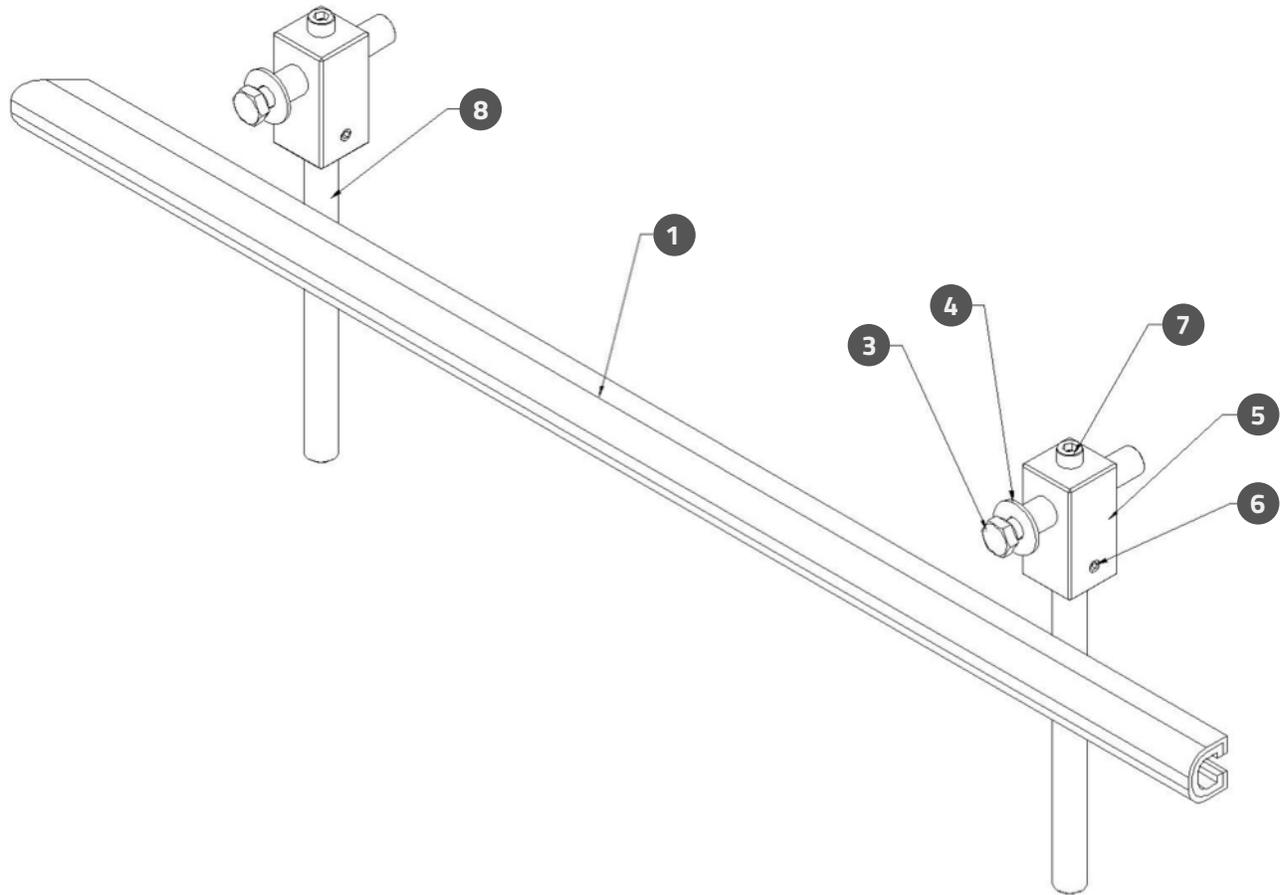
GUIDE RAIL A04 ASSEMBLY



GUIDE RAIL A04 ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Guide Rail	GR1-PL501-005	1
2	Adjustment Pillar of Guide Rail	51CX-K-PIN-150	2
3	Hexagon Head Set Screw	XNKW-M816	2
4	Washer M8	XNQC-M8	2
5	Adjustment Bar of Guide Rail	GR1-PL501-002	2
6	Knob	51WR-606025M615	4
7	Socket Set Screw	XN5Z-M66	3
8	Up & Down Adjustment Pillar	51CX-K-UB-160	2

GUIDE RAIL A05 ASSEMBLY



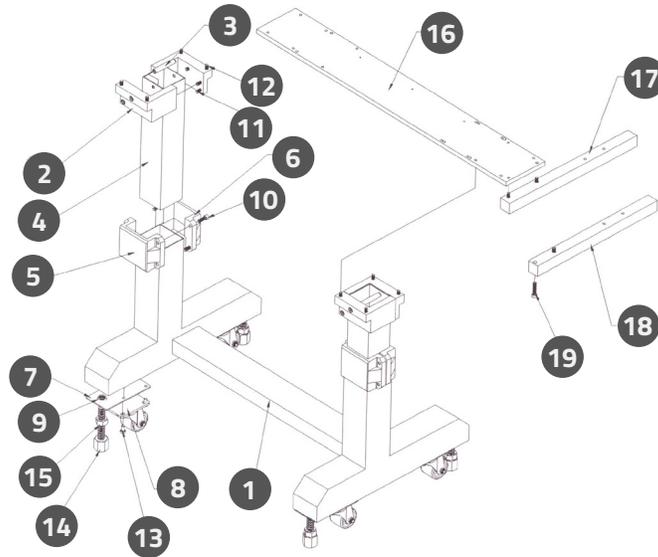
GUIDE RAIL A05 ASSEMBLY

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Guide Rail	GR1-PL501-006	1
2	Guide Rail Fixed Shaft	51CX-K-PIN-60	2
3	Hexagon Head Set Screw	XNKW-M816	2
4	Washer M8	XNQC-M8	2
5	Adjustment Bar of Guide Rail	GR1-PL501-002	2
6	Socket Set Screw	XN5Z-M66	2
7	Socket Head Cap Screws	XVJW-M610	2
8	Up & Down Adjustment Pillar	51CX-K-UB-160	2



FOOT STAND

FOOT STAND ASSEMBLY



FOOT STAND ASSEMBLY PART LIST

NO.	DESCRIPTION	PARTS NO.	QTY.
1	Foot Stand	FT1-PL501-007	1
2	Conveyor Base Fixed Set	FT1-PL501-002C	4
3	Spacing Bar	FT1-PL501-003	2
4	Foot Stand Adjustment Pillar	FT1-PL501-004	2
5	Tube Coupler	FT1-PL501-005	2
6	Tube Coupler	FT1-PL501-006	2
7	Caster Fixed Plate	FT1-PL501-014	4
8	Caster	51RX-2R25	4
9	Screw Nut	FT1-PL501-013B	4
10	Socket Head Cap Screws	XNJW-M825	8
11	Socket Head Cap Screws	XNJW-M820	8
12	Socket Head Cap Screws	XNJW-M830	12
13	Screw Nut	XNKW-M816	16
14	Fixed Bolt for Foot Stand	FT1-PL501-009	4
15	Nut for Foot Stand	FT1-PL501-008	4
16	Base Plate	FT1-PL501-001B	1
17	Fixed Pillar for Control Box	FT1-PL501-012D	1
18	Supporter for Control Bx	FT1-PL501-010D	1
19	Socket Head Cap Screws	XNJW-M840	4

