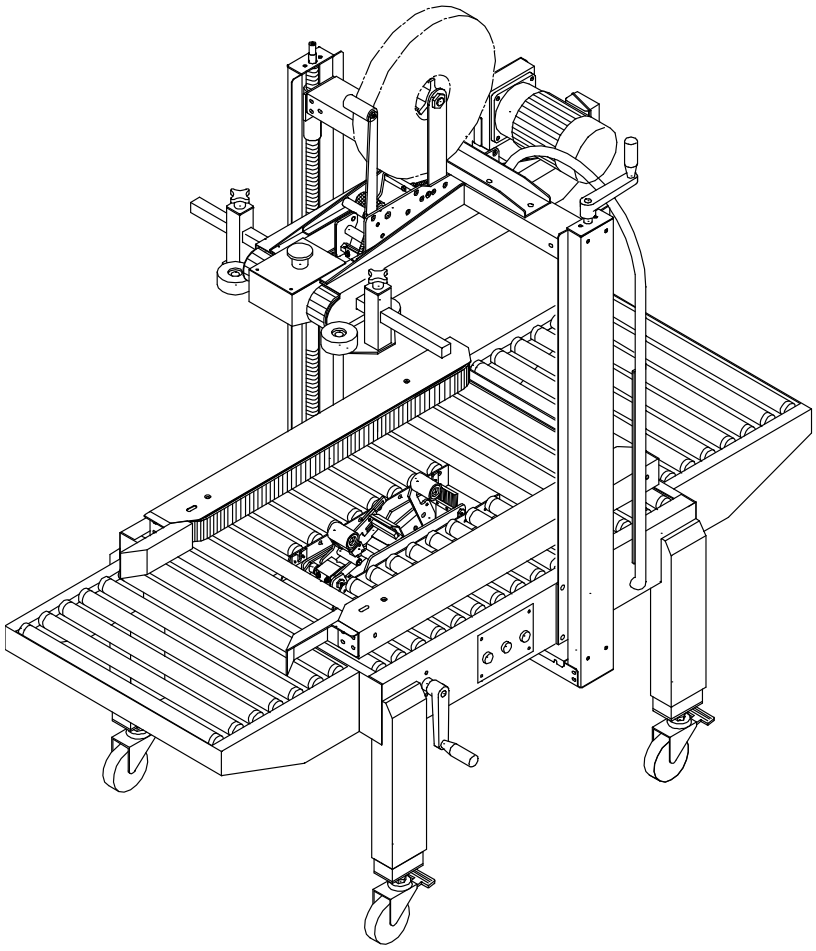
SBTB-2/3EX

Industrial Side Belt & Top Belt Case Taping System

User Guide



EASTEY®

SBTB-2/3EX

Industrial Side Belt & Top Belt Case Taping System

User Guide

This User Guide is also available in digital form at:
Eastey.com/Support/User-Guides-Drawings

Check periodically for the most current revision.

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Eastey
7041 Boone Ave. N.
Brooklyn Park, MN 55428

Phone: (763) 428-4846; Fax (763) 795-8867; 1-800-835-9344
www.eastey.com

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We Help Companies Deliver Products to the World

Thank you for choosing the Eastey SBTB-2/3EX Industrial Side Belt & Top Belt Case Taping System for your packaging needs. Eastey is part of Engage Technologies, an ISO 9001-2015 certified company that has steadily built a solid reputation for quality since 1979. Engage is known for providing rugged, durable, reliable packaging equipment to help companies deliver their products to the world.

Each Engage Technologies company – Squid Ink, Eastey, and American Film & Machinery (AFM), focuses on a different part of the packaging section of the production line.

ENGAGE *technologies corporation*

Squid Ink (www.SquidInk.com)
Coding and marking equipment, inks, and fluids for product identification and traceability

Eastey (www.Eastey.com)
Automated shrink wrapping and bundling, automated case sealing, case erecting and product handling

AFM (www.AFMSleeves.com)
Automated shrink sleeve labeling equipment, tamper-evident banding equipment, shrink tunnels and shrink sleeve consumables

When you purchase your packaging equipment from the Engage Technologies family of companies, you can feel confident that you have a machine that is first in quality and built to last. Thank you for choosing us for your packaging needs.

This User Guide is available online

This User Guide is also available from the Eastey Support Website in electronic format for web browsers and e-readers. Go to Eastey.com/Support/User-Guides-Drawings to see available User Guides, or scan the QR Code at right using the camera app on your mobile device to go directly to the online version of this User Guide.

Safety

Read this manual carefully and make it available to everyone connected with the supervision, maintenance, or operation of this machine. Additional copies are available on request (Eastey.com/contact-us).

The development of a good safety program that is rigidly enforced is absolutely imperative when involved in the operation of industrial equipment. Our machinery is well designed and includes extremely important safety features. However, proper installation, regular maintenance, and safe operation procedures are of far greater importance for safety of the operator and others than our design. Only properly-trained individuals following rigidly enforced safety rules, as recommended by ANSI and OSHA should be allowed to operate these machines.

Lockout / Tagout

Lockout/tagout procedures are safety-related practices developed, documented, and implemented by your company. Lockout/tagout procedures require safely shutting down and disabling the energy input to the machine and any connected equipment that could result in injury or equipment damage if accidental startup were to occur during inspection, maintenance, adjustment, or repairs. Part of disabling the energy input typically involves applying physical lock(s) to the energy input(s) so that the system cannot be accidentally restarted. Typical energy inputs include electrical, air, fluid, hydraulic, gravity, heat, or steam.

Your company must have lockout/tagout procedures in place for this machine before use. To prevent injury or equipment damage due to accidental startup, all inspection, maintenance, adjustments, or repairs to the machine must be governed by your company's lockout/tagout procedures and OSHA requirements and best practices.

WARNING: Failure to follow lockout/tagout practices can result in serious injury and/or equipment damage and may void the warranty

Note: OSHA provides information on lockout/tagout best practices consistent with Title 29, Code of Federal Regulations (CFR), Part 1910.147 and 1910.333, as a basis for companies to develop their own lockout/tagout procedures.

Be very careful when operating, adjusting, or servicing this equipment. If in doubt, stop and obtain qualified help before proceeding.

Lockout/Tagout on the Eastey SBTB-2/3 Industrial Side Belt & Top Belt Industrial Case Taping System

Energy input for the Eastey SBTB-2/3 Industrial Side Belt & Top Belt Case Taper is electrical. To power down the system prior to lockout/tagout, press the red Stop button to turn the machine Off. Disconnect (unplug) the power cord from electrical energy input and follow the lockout/tagout rules and procedures developed by your company.

Be sure to follow your company's lockout/tagout procedures for the Eastey SBTB Case Taper and all equipment connected to it, for example, printers or scanners or accumulation or heat shrinking equipment, in accordance with your company's lockout/tagout procedures.

Note: Lockout mechanism(s), padlock(s), and identification tag(s) are the responsibility of your company in accordance with your company's lockout/tagout rules and procedures, and are not provided by Eastey.

Safety Precautions

Before installing, operating or servicing this equipment, please read the following precautions carefully:

- This machine is equipped with moving belts. Do not place hands near the rear of this unit when the belts are moving as fingers may be pinched where belts enter the frame. We suggest the use of a roller-type exit conveyor or pack table for your cases. Always remove boxes after they clear the exit end of the machine.
- Observe caution when near the tape heads or when threading tape. The tape cutting knife is very sharp, automatically operated, and is linked to the wipe down rollers.
- Always disconnect electrical power before attempting maintenance for any electrical or moving parts. Do not attempt to open or work on the electrical box, junction boxes or other electrical components of the unit without first disconnecting power to the machine. Electrical shock hazard exists if power is not disconnected and your company's procedures for lockout/tagout of the SBTB Case Taper and connected equipment are in effect.
- Use only the specified power supply cable. Do not use the power cable to pull or position the machine, as this will damage or break the cable.
- Do not bypass any factory-designed safety features such as knife guards, interlocks, switches, etc. Do not operate a machine if such modifications have been made.
- Do not attempt to operate the machine with loads that exceed the limits of use and operation in regards to weight and sizes, or with unstable loads that present a hazard of tipping or falling.
- This equipment is designed for indoor operation in a typical clean, dry factory environment. Do not operate the machine in any extremely wet or oily environment that may exceed operating specifications.
- Do not place hands, head, or any part of the body inside the confines of the machine unless the head mechanisms are securely fastened, and the electrical supply is shut off. Do not stand or climb on any part of the taper.
- To minimize the potential for personal injury, always be sure that the machine operators and others working on the machinery are properly trained in the correct usage of this equipment and properly instructed regarding safe operation.

- Never provide service or clear a box jam when machine is running. Always stop the machine and shut off power before servicing.
- When feeding a box into the unit, always hold down the box top and present the box to unit. Release hands as soon as the belts begin to take the box.
- Do not wear loose clothing such as ties, scarves, jewelry etc. Long hair should be pulled back and/or covered while operating this machine.

Explanation of Symbols

Caution sign or Safety Alert symbol. Indicates caution, be alert, Your safety is involved. Knowledge of safe operation is required.

Ground symbol. Indicates ground. Use Class-3 (lower than 1000) cable to ground to earth. Incomplete grounding may lead to electrical shock.

Electrical hazard. Indicates electrical danger. Only a trained electrician can uncover the electrical panel or box.

Caution! Moving parts. Moving parts can crush fingers or hand. Keep hands and fingers away from moving parts in area indicated to avoid injury.

Caution! Pinch point entanglement. Pinch point hazard exists in area indicated. Shut down the machine before performing maintenance, repair, or adjustment.

Caution! blade. Hazard exists for cutting fingers or hand. Keep hands and fingers away from sharp blades in area indicated to avoid injury.

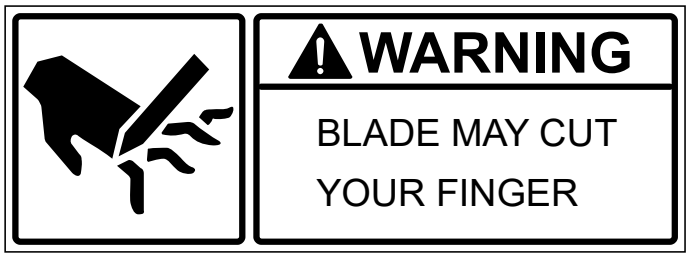
Moisture hazard. Keep Equipment dry. This equipment is designed for indoor operation in a typical clean, dry factory environment, protected from rain and moisture. Do not operate the machine in any extremely wet or oily environment that may exceed operating specifications.

Eye protection. Wear eye protection. Use protective equipment whenever circumstances require or when required by regulation or law. Wear safety glasses when operating or servicing this machine.

Refer to this User Guide for important safety information and operating instructions to set up, operate, adjust, and maintain this Automatic Case Erector.

Warning symbol. Indicates a hazardous situation which, if not avoided could result in death or serious injury.
A warning indicates a situation potentially more severe than indicated by a caution message but not imminent as a danger message.

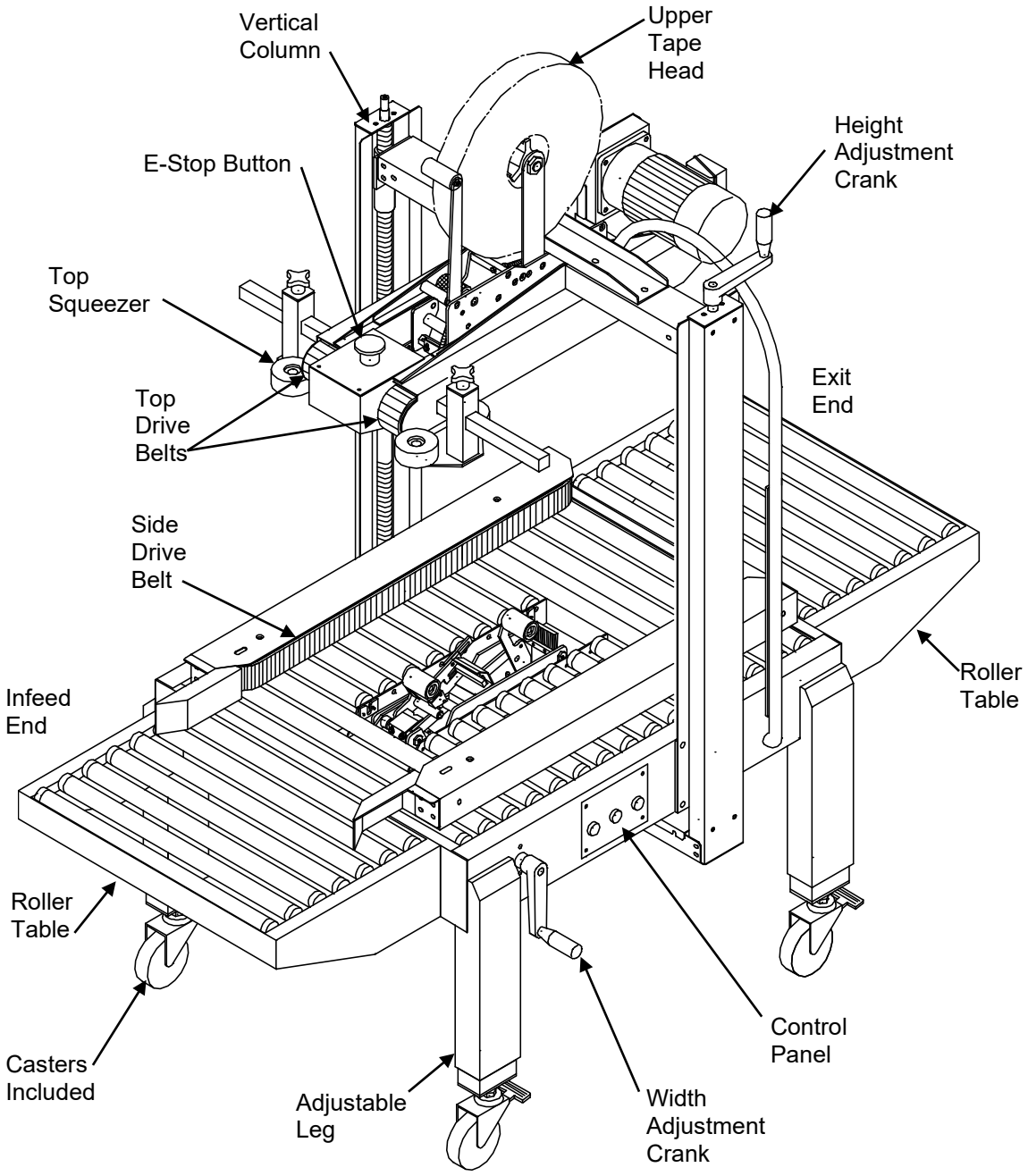
The warning symbol is associated with messages for conditions as shown below.



Introduction

SBTB-2/3 Overview

The SBTB-2/3 case taper is designed to tape the tops and bottoms of uniform sized boxes at rates determined by the operator. Drive belts at the top and to each side of the base of the box move the box uniformly past tape heads that seal the top and bottom of each box. Top squeezers hold the top of the box together as the tape seal is applied.



SBTB Industrial Case Taper Application Video — Shallow Boxes

To view a Video of the Eastey SBTB Industrial Case Taper in operation sealing shallow boxes, click the following link: Video: Eastey SBTB Case Taper shallow box application or scan the QR code at right using the camera app on your mobile device.

Specifications

Model	SBTB-2/3EX Standard
Tape	1.5 inch (3.6 cm), 2 inch (5 cm), or 3 inch (7.5 cm) width, and up to 15 inches (36 cm) diameter rolls
Belt speed	75.5 feet/min. (23 m/min.)
Capacity	(L) 4.75 inches (12 cm) to unlimited (W) 7.0 inches to 27.5 inches (18 cm to 70 cm) (D) 4.7* inches to 27.5 inches (12 cm to 70 cm)
Power Consumption	450 W
Machine size	(W) 41.3 inches (105 cm) (L) 76.5 inches (194 cm) (H) 65.4 inches (166 cm) without tape head (H) 76 inches (193 cm) with max. tape roll
Machine net weight	403 lbs. (182 kg)

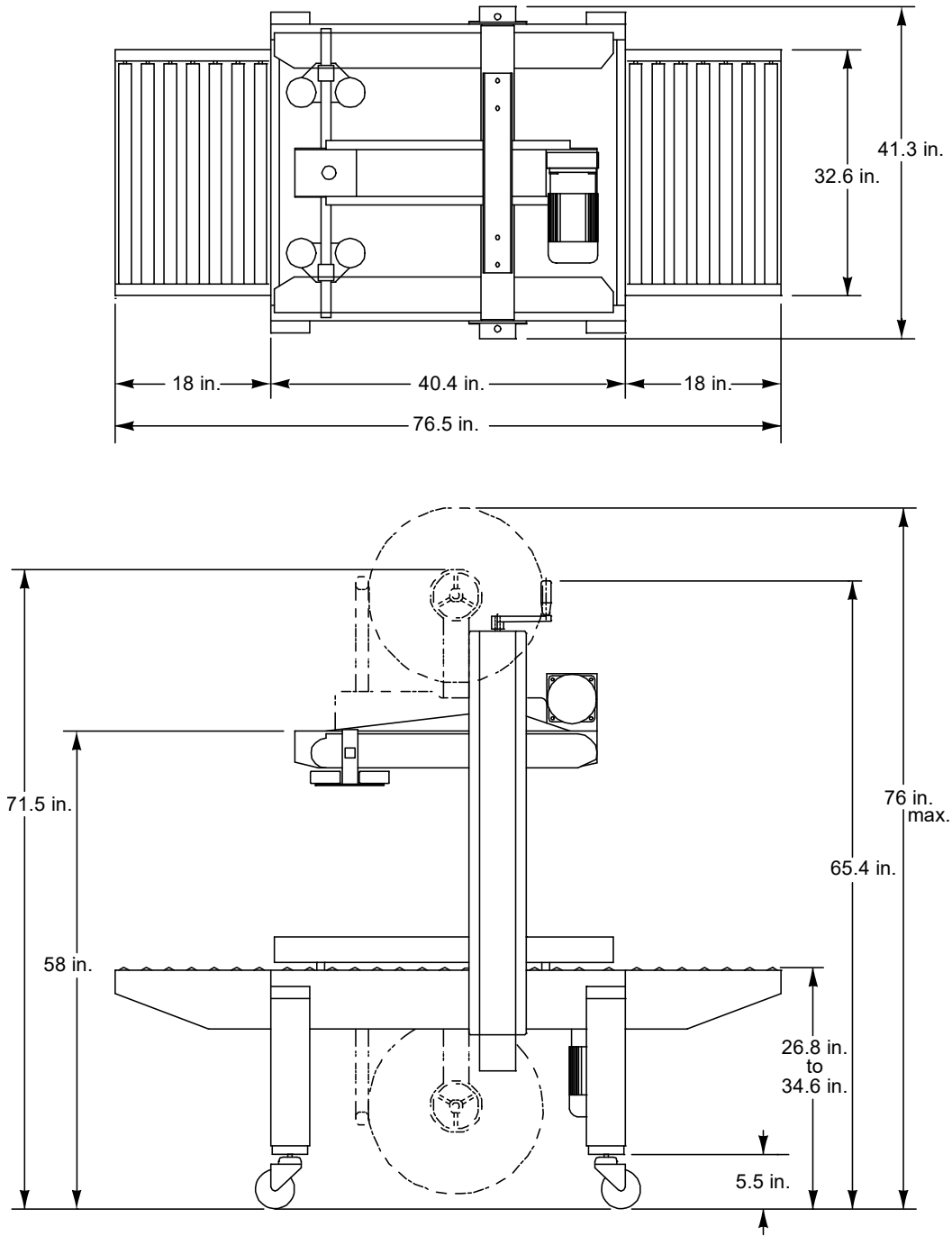
*For square boxes at minimum, contact Eastey Technical Service.

Options

- Option for stainless operation
- 3” tape head

Dimensions

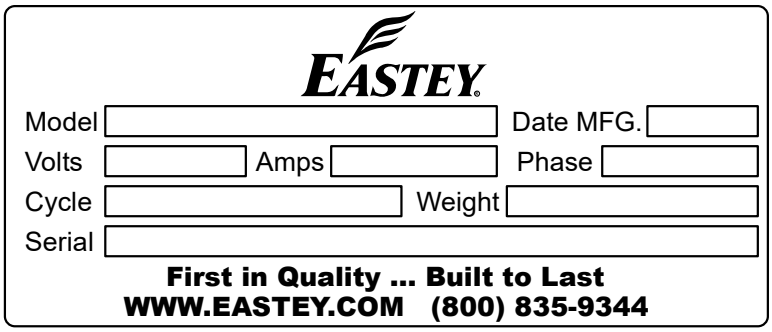
Dimensions are shown in inches.



Machine Serial Number

The machine serial number can be found on the serial plate on the side of the case taper body.

The serial plate displays the Model number, Date of manufacture, weight, Serial number, and electrical power requirements.



Record the serial number and date of manufacture for future reference.

Note the electrical power characteristics listed below the model number. These specify the electrical power requirements of the case taper.

Typical Applications

Eastey SBTB Industrial Side Belt & Top Belt Case Tapers

Eastey SBTB Industrial Side Belt & Top Belt Case Tapers can be used for sealing cardboard cases for a wide range of products, limited only by package size and weight of contents.

Eastey SBTB Industrial Side Belt & Top Belt Case Tapers are particularly suitable for packaged goods of moderate size and weight and are designed and manufactured with maximum compatibility for use with Squid Ink products for coding and marking applications while sealing cardboard cases.

Do NOT use the Eastey SBTB Industrial Side Belt & Top Belt Case Tapers for the following product types:

- Explosive Products
- Flammable Products
- Hazardous Products
- Pharmaceuticals
- Agri-Foodstuffs
- Wet Products or Corrosives
- Products that are heavier or larger than allowed by the machine specifications.

Do not operate the Eastey SBTB Industrial Side Belt & Top Belt Case Taper in any extremely wet or oily environment that may exceed operating specifications. This equipment is designed for indoor operation in a typical clean, dry factory environment protected from rain and moisture.

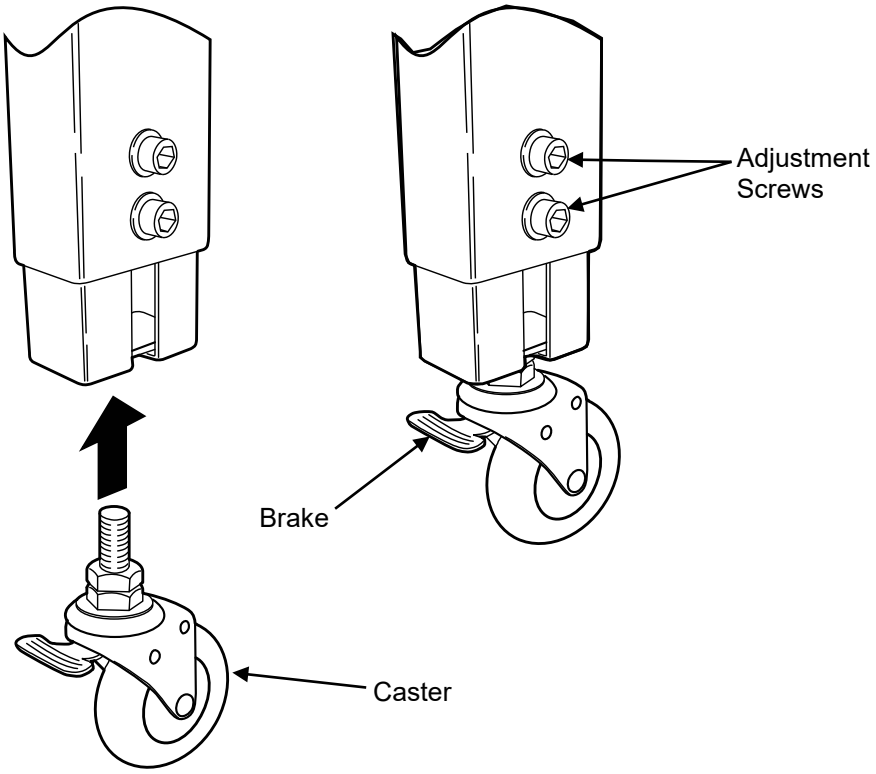
Installation

Carefully unpack the case taper from the shipping carton.

Remove the shipping bolts that secure the Case Taper to the shipping pallet. Lift the Case Taper of the pallet.

CAUTION! The SBTB-2/3EX Industrial Case Taper is very heavy and will require a forklift, floor crane, or several people to move safely off the shipping pallet. Use proper equipment when lifting the case taper and ensure the case taper is secure and will not shift while being moved or during height adjustment or installation of optional locking casters.

Four (4) locking casters are provided and optionally may be installed onto the four adjustable support legs of the Case Taper. To install the casters, thread one caster into the bottom of each leg.



CAUTION! The case taper must be lifted off the floor to install the casters. Use proper equipment when lifting or moving the case taper. Ensure the case taper is secure and will not shift while installing the casters or adjusting leg height.

To adjust the leg height, loosen the screws on each leg and slide the insert up or down. When the leg is at the desired height, retighten the adjustment screws to secure the leg height.

The locking casters allow the taper to be moved easily over a smooth flat surface. If the unit must be lifted to move it to the desired location you will need to use a pallet jack, floor crane, or forklift to lift it.

Location Requirements

Move the case taper to the desired location. To lift or move the case taper without casters installed, you will need to use a pallet jack or forklift to lift and move it. If you have installed the casters, release the brake lever on each of the locking casters to move the taper easily over a smooth flat surface. Re-engage caster brake levers when the case taper has been moved to its location.

When installing the case taper please be aware of the following considerations:

1. The mounting surface is flat and level.
2. Conveyor or packing table height.
3. Alignment with packaging line.

When the case taper is positioned in the operating location you will need access to:

1. The control panel with Start/Run and Stop buttons, and E-Stop.
2. Height and width adjustments.
3. Both upper and lower tape cartridges for tape loading.

Roller tables are provided standard at both the in-feed and exit ends of the case taper. A packer can fill boxes and close the flaps at the in-feed roller table before feeding boxes into the case taper, and then pick up boxes that have been sealed from the exit roller table.

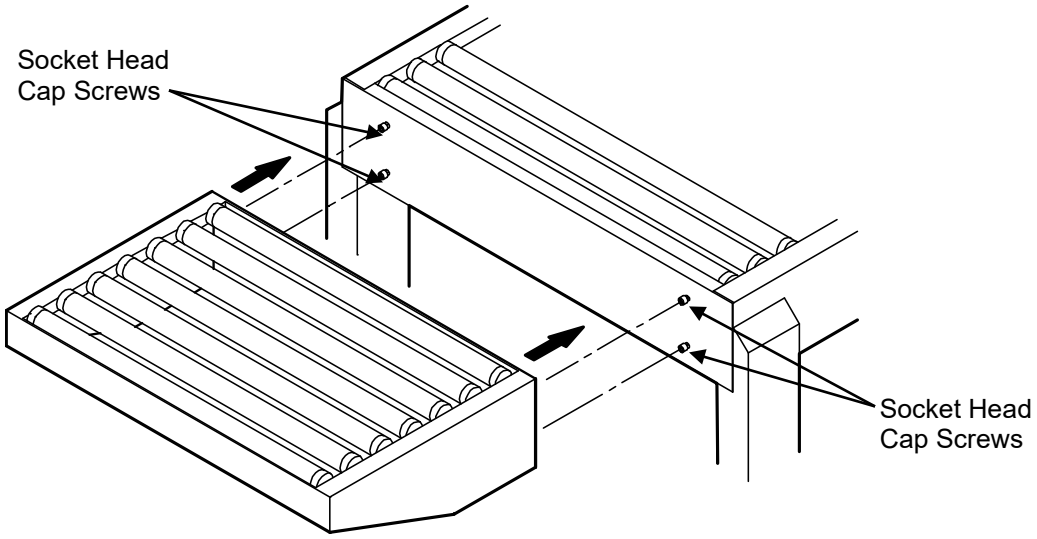
If the case taper is part of a longer packaging line, take into consideration the table and conveyor height in relation to adjacent machinery.

It is essential that the table and conveyor be at the machine bed height.

The machine should be placed on a flat, level floor so that it does not rock or move. We recommend that the machine be securely locked in place when used.

Install Front and Rear Tables

Front and rear tables are identical and therefore interchangeable. Temporarily loosen socket head cap screws at the locations shown in the following illustration. Align the keyhole slots in the table flanges with the loosened cap screw heads and position the end table so rollers are level with rollers in the case taper body, then re-tighten cap screws to secure table. Install one table at each end (front and rear) of the case taper body.



Next Steps

Follow instructions in the Operation section for instructions to load the tape cartridges in the upper and lower tape heads.

If tape heads have not been loaded with tape, load the upper and lower tape heads with tape. (One roll each; follow instructions provided in the Tape Cartridge User Guide.)

Refer to the Adjustments section for instructions to make necessary height and width adjustments that must be made for operation of the box taper.

Refer to the Operation section for instructions to power up, operate, and shut down the machine.

Operation

Loading the Tape Cartridges

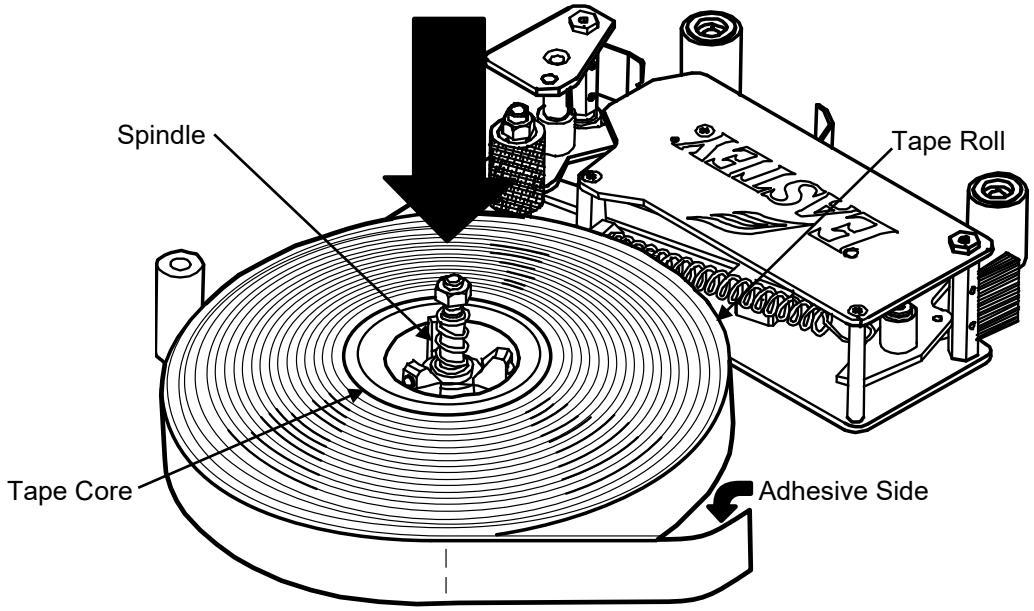
Turn the main power switch to “Off” and disconnect the power.

CAUTION! **To avoid personal injury, remove the tape cartridge before loading tape.**

When handling the tape cartridge be careful to avoid contact with the tape cutting blade.

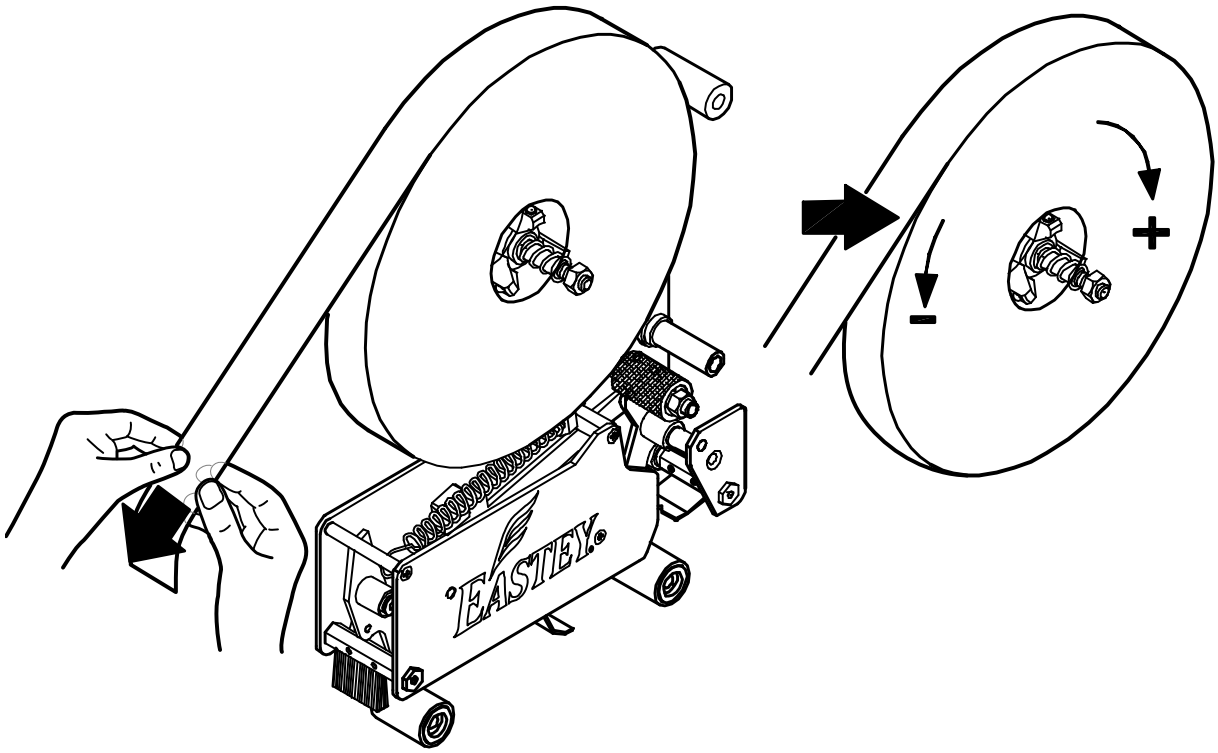
After the taping cartridge has been removed push the tape roll onto the tape core assembly.

NOTE: **Make sure the tape roll is pushed all the way on the spindle assembly.**



Check Tension

Check the tape for correct tension.



Tighten or loosen the tape core holder to adjust tension.

Thread Tape

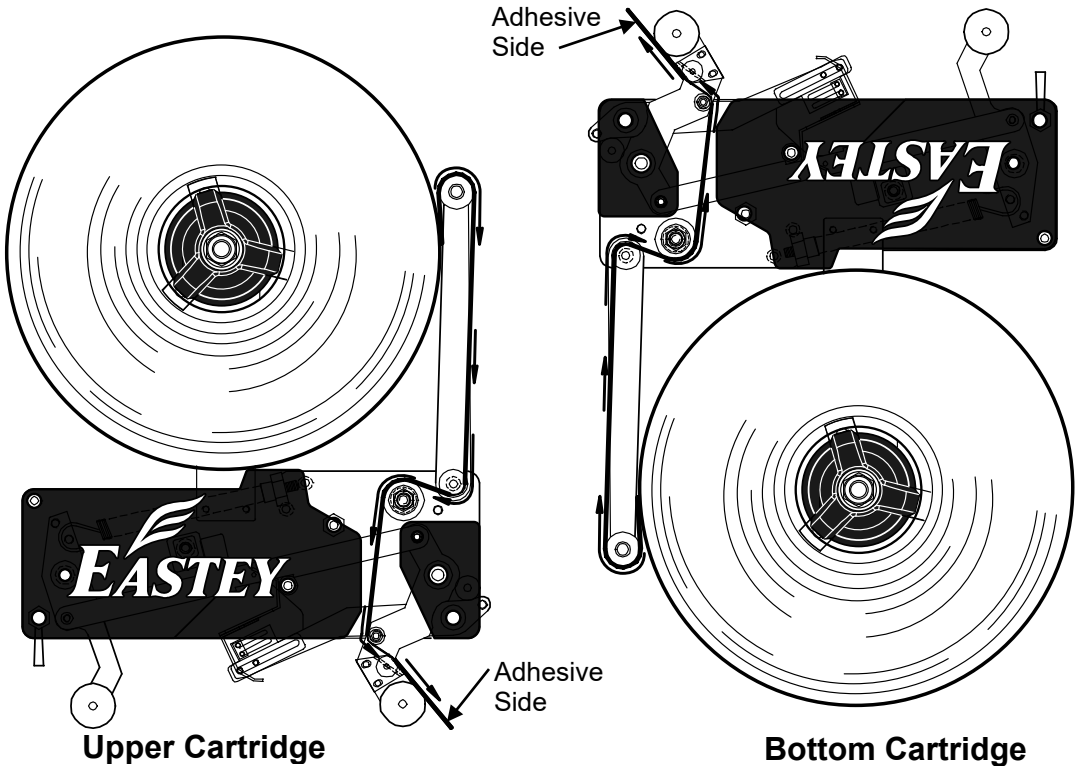
Carefully thread the new tape through the rollers in the tape head as shown in the applicable diagram in the Tape Head User Guide provided with the tape head.

For convenience, diagrams for threading tape in the Eastey-EX Tape Head and EZ-EX Tape Head are provided on the following page. Follow the diagram that applies for your tape head, depending on the tape head model and position on the taper.

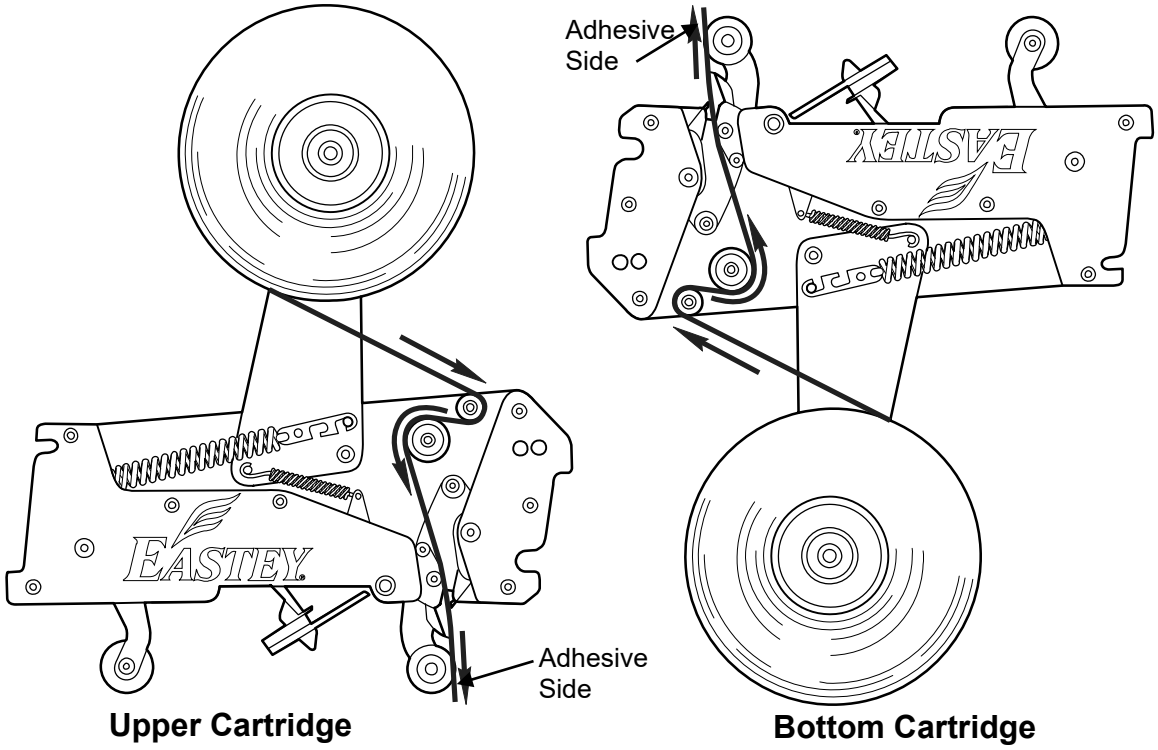
VIDEO: Threading the Tape Cartridge — Eastey EX Tape Cartridge
To see a video to guide you through threading tape in the tape cartridge, click this link: https://www.youtube.com/watch?v=TJRVNniJIXQ or scan the QR code at right using the camera app on your mobile device.

VIDEO: Threading the Tape Cartridge — Eastey EZ-EX Cartridge
To see a video to guide you through threading tape in the tape cartridge, click this link: https://www.youtube.com/watch?v=E5C8fH48IfY or scan the QR code at right using the camera app on your mobile device.

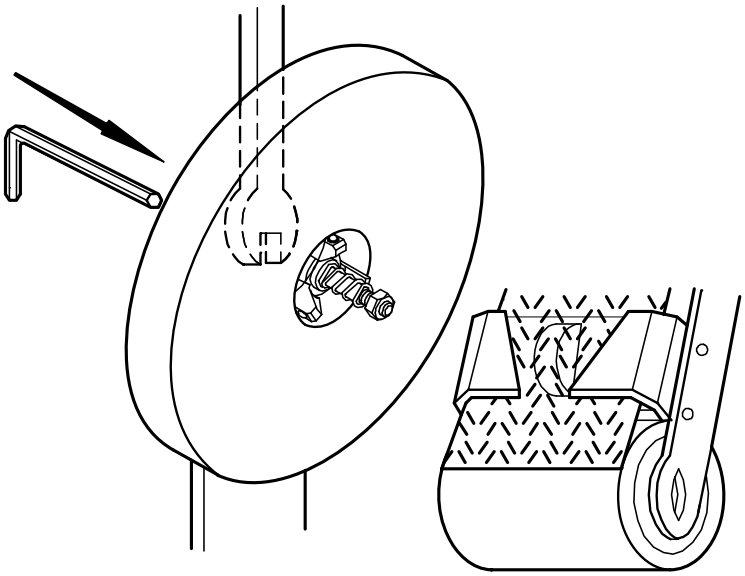
Eastey-EX Tape Head



EZ-EX Tape Head



Center Tape — Eastey-EX Tape Head only



Make sure the tape is centered on all the rollers. There are several rollers in the tape cartridge where the tape alignment should be checked to verify the tape stays on center as it is being dispensed.

Be sure the tape is passed through the tape holder support bracket as it passes over the front wiper roller.

Return the tape cartridge to the operation position once the tape roll is loaded and tape has been threaded according to the applicable tape threading diagram.

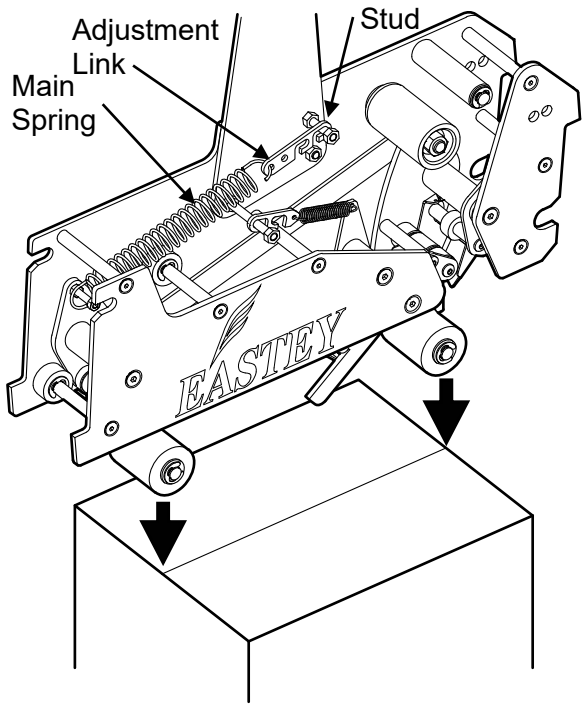
Main Spring Adjustment

When setting tension for the rollers, consider the amount of pressure on the box flaps required to make the seal. Cartons completely filled to the top with product may require more pressure on top and bottom seams when applying tape than partiallyfilled cartons, where excessive pressure could possibly crush the carton.

For sealing light weight boxes, decrease the main spring tension. For heavier boxes, increase the main spring tension.

Both Eastey-EX and EZ-EX tapeheads have a main spring, which may require tension adjustment for the particular application for which you will be using the case taper.

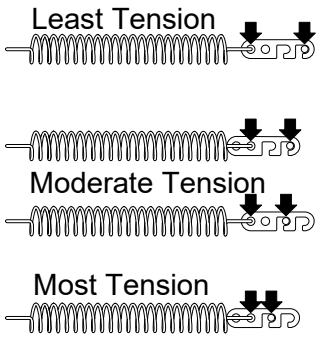
For quick reference and convenience, basic information for adjusting main spring tension for the Eastey-EX Tape Head and EZ-EX Tape Head is provided on the following page. For more information about setting the tape head tension, refer to the User Guide provided with the tape heads that are being used in the case taper.

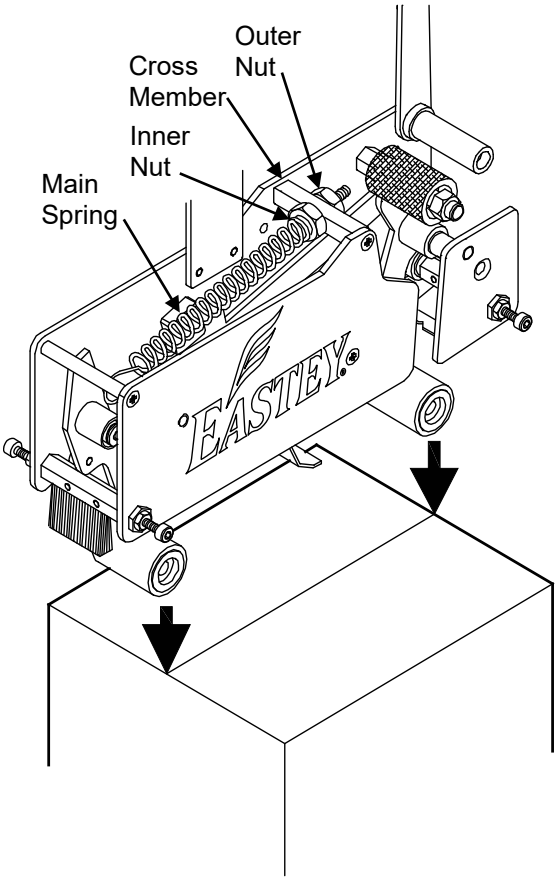


Eastey EZ-EX Main Spring Adjustment

For the Eastey-EX tape head, there is an adjustment link at the end of the main spring that links the spring to the stud post.

Spring tension is determined by which part of the adjustment link is hooked onto the stud post on the connecting arm, and by which hole in the adjustment link the main spring is hooked onto.

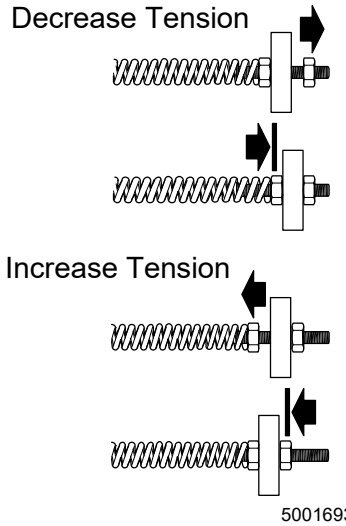




Eastey-EX Main Spring Adjustment

For the EZ-EX tape head, there are two adjustment nuts, one to each side of the top crossmember where the threaded rod of the adjustable end of the main spring passes through the crossmember.

The adjustment nuts are used together to set the main spring to the required tension and to secure the spring at the set tension.



Power

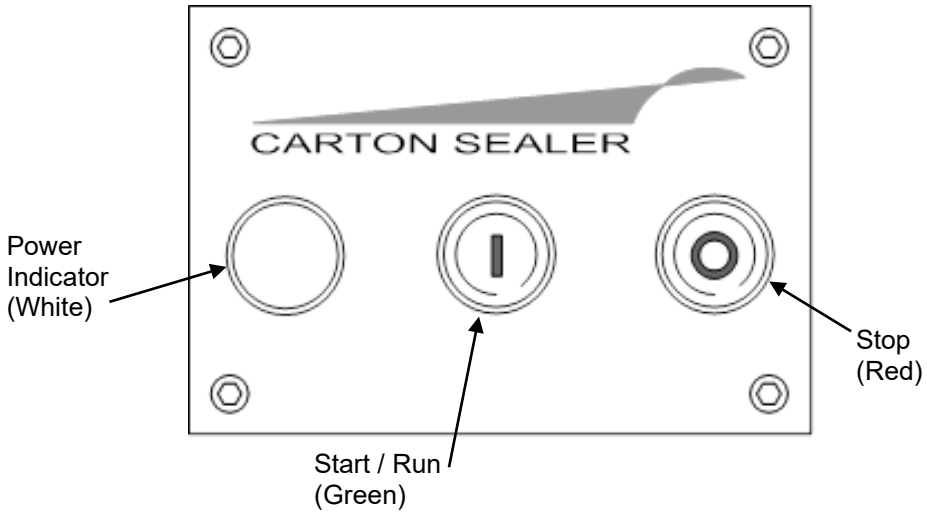
Plug the power supply cord into a properly wired and grounded outlet.

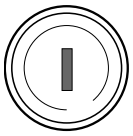
Press the Start button.

CAUTION! When the power is turned on and taper is running be aware of moving parts and belts

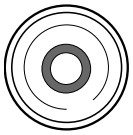
Control Panel

When the main power is On, the power indicator lamp is illuminated.

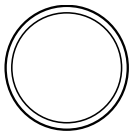




Start / Run Button (Green)
Press the Start button to start motors and belts.

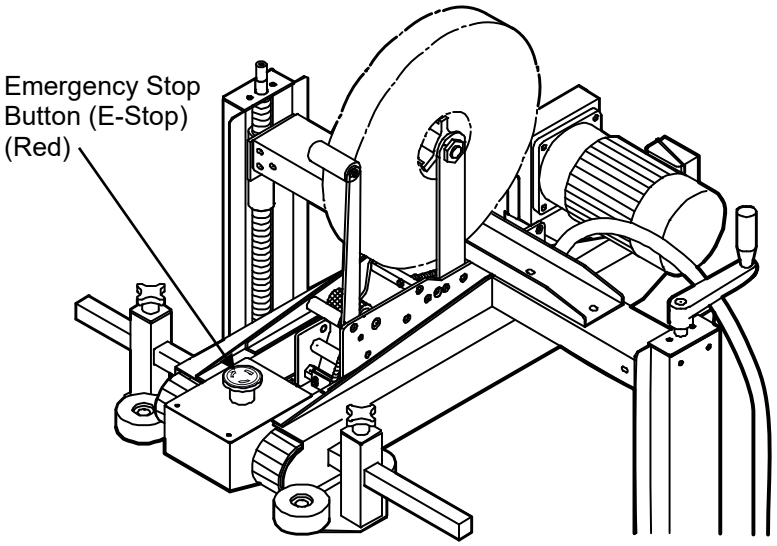


Stop Button (Red)
Press the Stop button to stop motors and belts.



Power Indicator Lamp (White)
- On when carton sealer is in operation.
- Off when carton sealer is not in operation.

Emergency Stop



Emergency Stop Button (Red with Yellow label)

- Press the red Emergency Stop button for emergency stop.
- To reset the Emergency Stop button once the emergency condition has been cleared and it is safe to operate the machine again, press the Emergency Stop button in while turning it approximately a quarter-turn in the direction of the arrow.

Adjustments

Before making any adjustments to the case taper, press the stop button to stop the machine. Disconnect the electrical power plug and follow lockout/tagout procedures as determined by your company.

WARNING: Failure to follow lockout/tagout procedures can result in serious injury and/or equipment damage and may void the warranty.

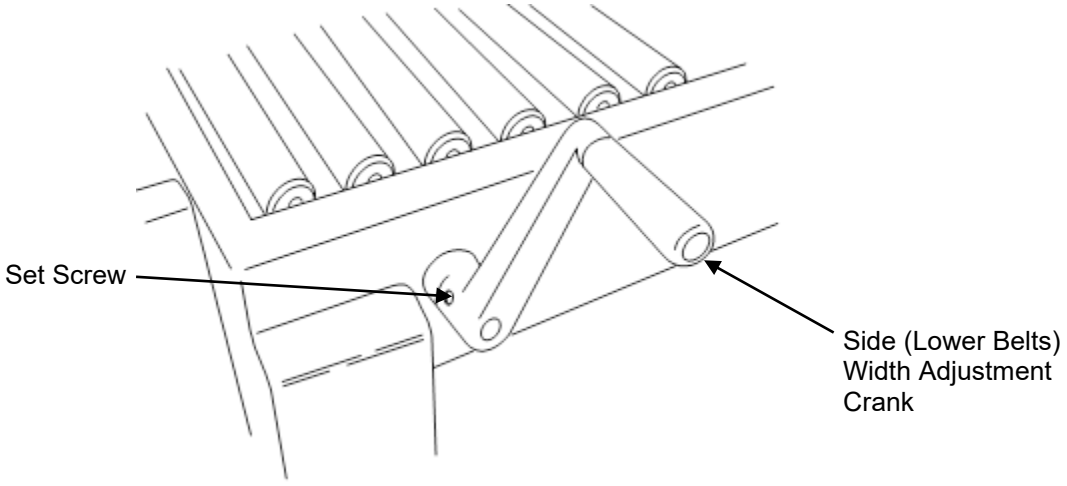
Note: OSHA provides information on lockout/tagout best practices consistent with Title 29, Code of Federal Regulations (CFR), Part 1910.147 and 1910.333, as a basis for companies to develop their own lockout/tagout procedures.

Carton Height and Width Adjustments

With the power off, place an appropriate size box filled with product in the Case Sealer. Position the box centered with the rollers, drive belts, and tape heads. Use the filled box to adjust the width of the side belts and squeezers, and height of the top belts and tape head.

Side Belt Width Adjustment

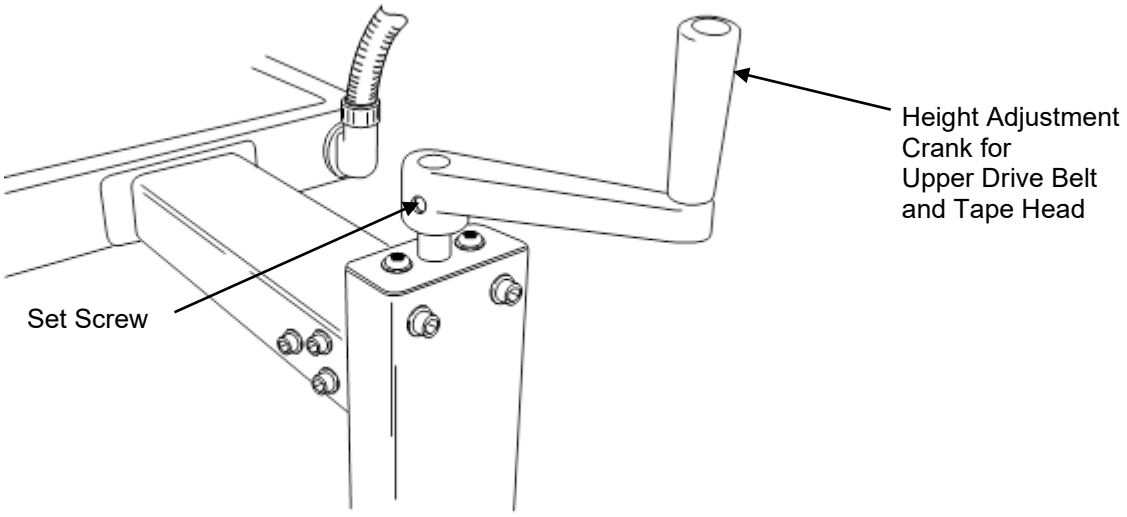
Use the side drive belt width adjustment crank to set the drive belt to the correct width for the box.



The side belt width adjustment crank can be mounted on either side of the machine by loosening the set screw, removing the crank, and mounting the crank on the opposite side of the machine. Re-tighten the set screw to secure the adjustment crank.

Upper Drive Belt and Tape Head Height Adjustment

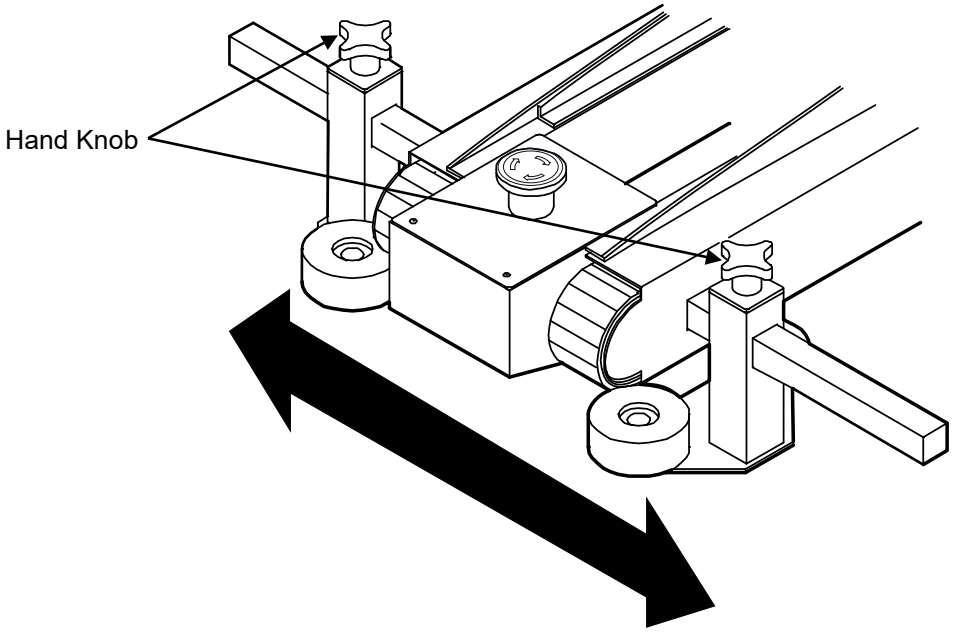
Use the height adjustment crank to set the upper tape head and drive belt to the correct height for the box.



The height adjustment crank can be mounted on either side of the machine by loosening the set screw, removing the crank, and mount to the crank onto the adjustment spindle on the opposite side of the machine. Re-tighten the set screw to secure the adjustment crank.

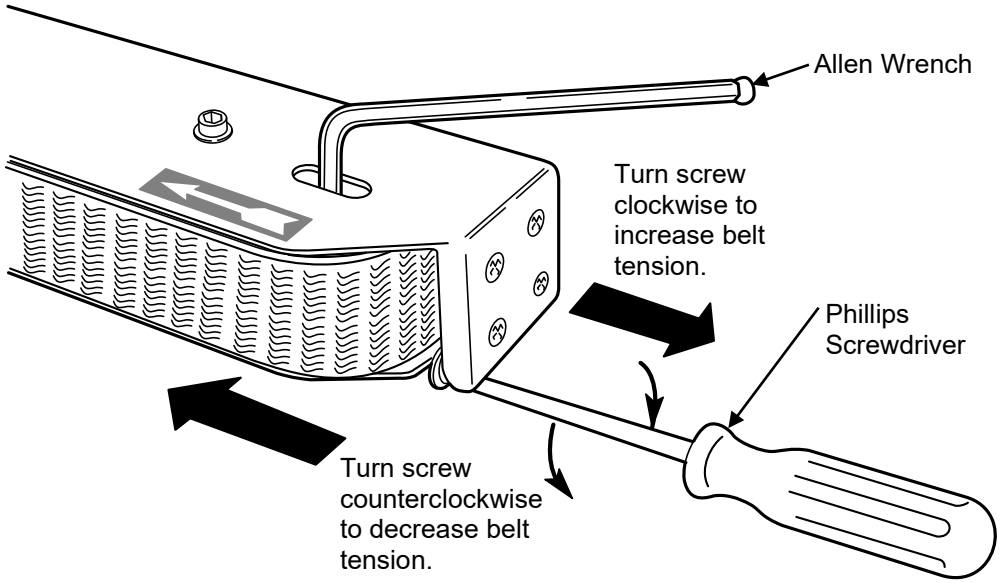
Top Squeezer Adjustment

To adjust the top squeezer alignment rollers, loosen the locking knobs on the top of the squeezer alignment rollers and set the top width to the correct box width. Re-tighten the locking hand knobs to ensure that boxes will stay centered.



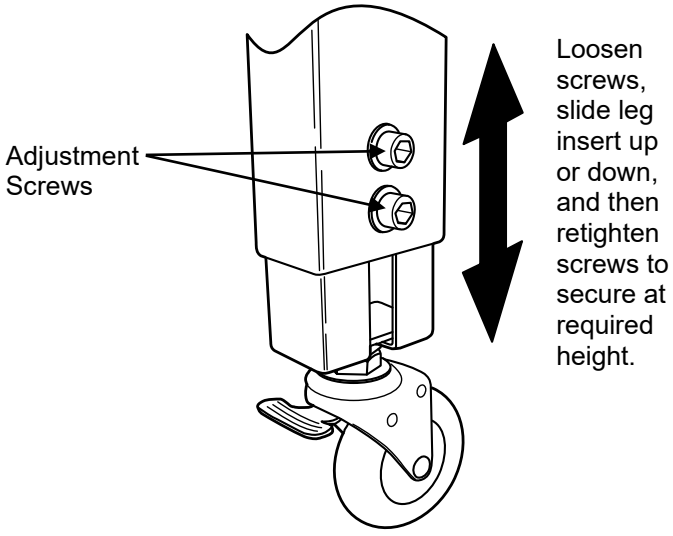
Belt Adjustment

It is not necessary to remove the drive belt cover to adjust the drive belt. To adjust the belt, use an allen wrench and loosen the socket head cap screw that locks the idler position. Adjust the belt to a suitable tension by turning the adjustment screw with a phillips screwdriver. Re-tighten the socket head cap screw when belt is at required tension.



Machine Body Height Adjustment

To adjust the leg height, loosen the screws on each leg and slide the insert up or down. When the leg is at the desired height, retighten the adjustment screws to secure the leg height.



CAUTION! Ensure the case taper is secure and will not shift while adjusting leg height.

Tape Head Adjustment — Refer to Tape Head User Guide.

Refer to instructions in the Tape Head User Guide that is provided with the tape head for instructions regarding adjustment information for the tape head.

VIDEO: Knife Blade Replacement
To see a video to guide you through replacing the knife blade of the tape cartridge, click this link: https://youtu.be/_b1PfCV-fts?list=PLw2fFM1Tj1XVwEOXq_cpbKIbzF6trEd0W&t=260 or scan the QR code at right using the camera app on your mobile device.

Maintenance

The SBTB-2/3EX Industrial Case Taping System will provide many hours of maintenance free operation. There are a few items that may require attention from time to time.

Before making any adjustments to the case taper, press the stop button to stop the machine. Disconnect the electrical power plug and follow lockout/tagout procedures as determined by your company.

WARNING: Failure to follow lockout/tagout procedures can result in serious injury and/or equipment damage and may void the warranty.

Note: OSHA provides information on lockout/tagout best practices consistent with Title 29, Code of Federal Regulations (CFR), Part 1910.147 and 1910.333, as a basis for companies to develop their own lockout/tagout procedures.

Rollers

Make sure rollers stay clean and grease free. If you should have to clean the rollers simply wipe them down with a clean lint free cloth. If a more thorough cleaning is necessary, wipe the rollers down with a mild detergent and water and let dry. **Never use harsh or abrasive cleaners or chemical agents when cleaning the rollers.**

Cutting Knives

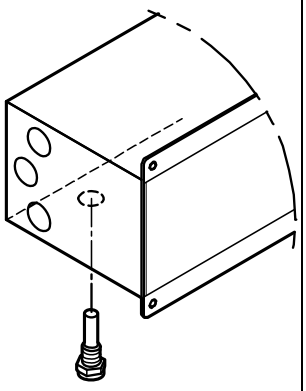
Occasionally inspect the cutting knives to ensure they are clean and free of adhesive residue. Make sure the cutting knife is sharp by inspecting cuts in the tape. Cuts should be straight and neat. If the quality of cuts is eroding, the knife blade is dull and should be replaced.

Changing Knife Blades — Refer to Tape Head User Guide

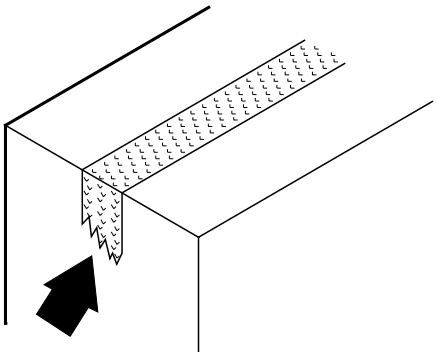
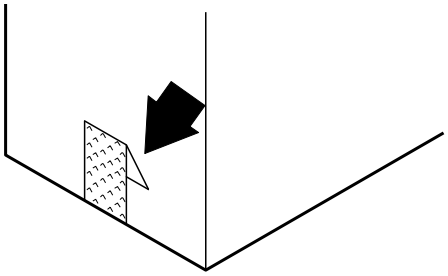
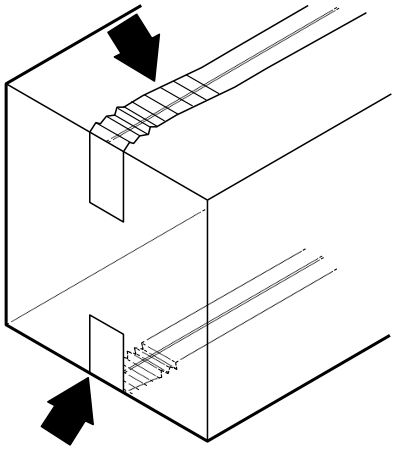
Turn off and unplug the taper. It is not necessary to remove either tape head to change the blade. Refer to the Tape Head User Guide provided with the tape head for instructions for changing the knife blades.

CAUTION! **Always be aware of the cutting edges while replacing the knife blades. Handle the knife blades carefully.**

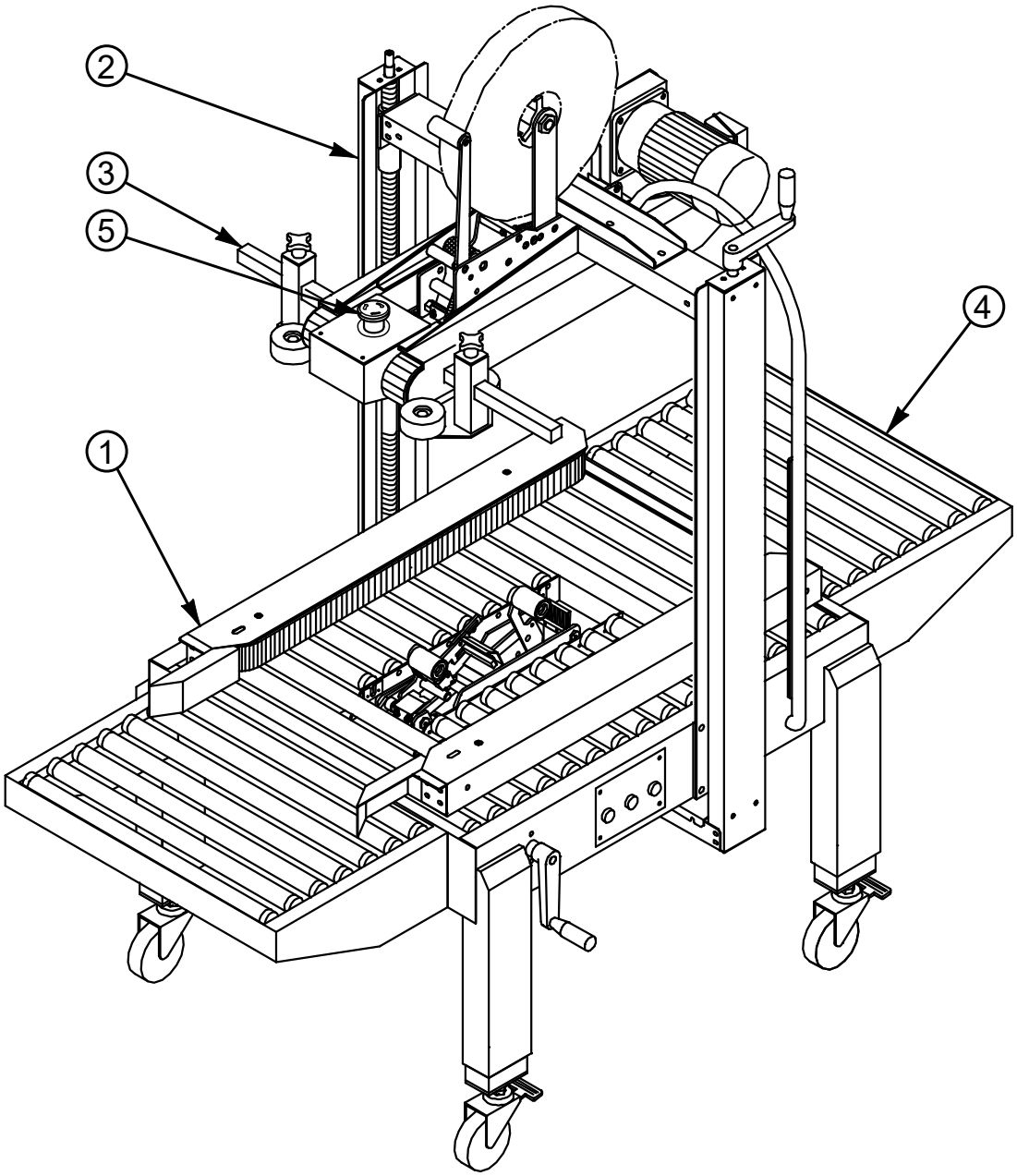
Troubleshooting

Problem / Possible Cause	Solution
Taper will not start ■ Machine is not connected to power. ■ An emergency condition exists and the E-Stop has been activated. ■ Start button has not been pressed. ■ Fuse has blown.	▶ Check power input to be sure the machine has power. ▶ Clear the Emergency condition and reset the E-Stop button. ▶ Press the Start button to release overload. ▶ Replace the Fuse. (Access fuse by removing plug from underside of control box as shown at right.) 
Machine is not operating ■ Machine has inadequate electrical power or power is not connected.	▶ Verify system power meets specification requirements and verify power connection.

Problem / Possible Cause	Solution
Stuck carton ■ Drive belt or squeezer width set too narrow. ■ Drive belt height set too low.	▶ Check drive belt width and squeezer width adjustments. ▶ Check for proper height adjustment.
Uneven or poor tape cuts ■ Knife arm spring tension is out of adjustment. ■ Wiper roller spring tension is out of adjustment. ■ Dull knife blade(s)	▶ Adjust knife arm spring tension. ▶ Adjust wipe roller spring tension. ▶ Replace cutting knife blades.
Uneven Tape Leg on Front	▶ Tape tension is too low. Tighten the one-way clutch roller and/or the tape core. ▶ Adjust the one-way clutch roller in the slot so it is slightly beyond the front wipe roller. ▶ Adjust the tape leg length. See Tape Leg Adjustment section.

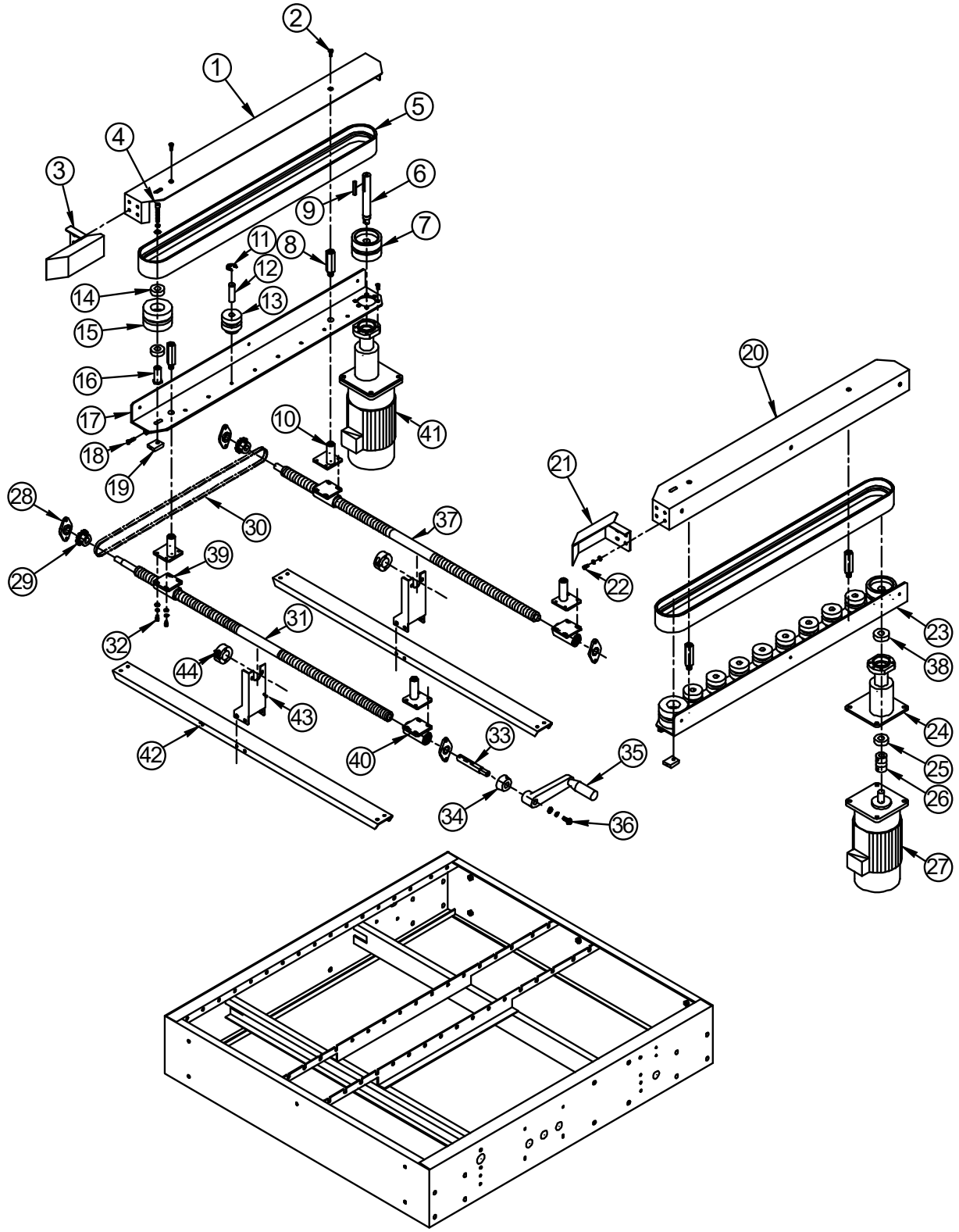
Problem	Solution
Uneven or Torn Tape 	▶ Blade is dull. Replace blade. ▶ Tape tension is incorrect. Increase tension. ▶ Clean and adjust blade. ▶ Blade mounted incorrectly or backwards. ▶ Knife arm spring is worn. Replace knife arm spring. ▶ Adjust cartridge height.
Tape Folding 	▶ Check that all rollers turn freely. ▶ Check to be sure tape is threaded properly on front roller (page 21). ▶ Check wipe down brush.
Tape Curling or Bunching Up 	▶ Check tape tension on the tape core.

Parts List



Item	Description	Quantity	Page
1	Side Belt Assembly	1	28
2	Vertical Column Assembly	1	31
3	Upper Taping Seat and Top Belt	1	33
4	Machine Body	1	36
5	Electrical	1	38

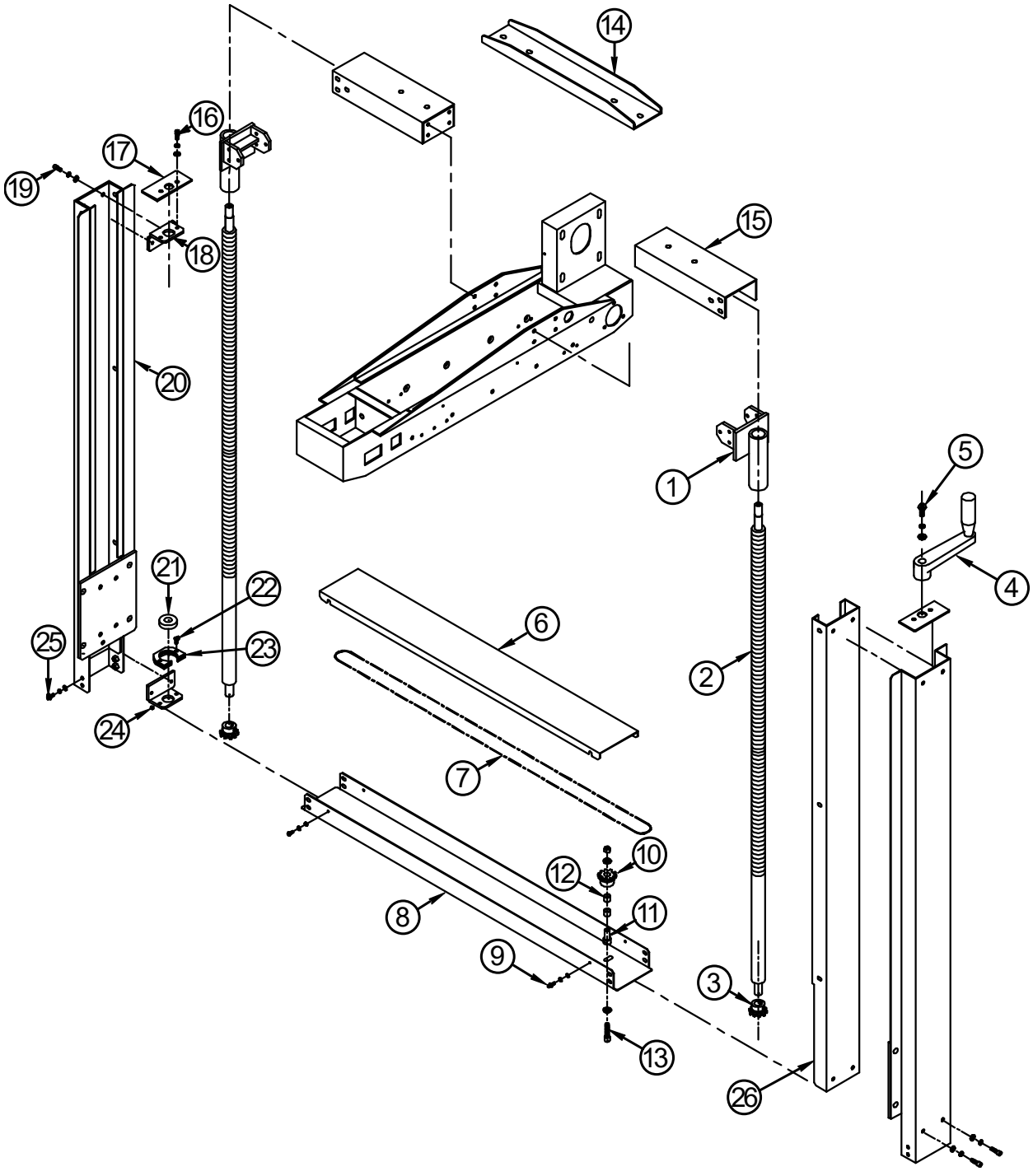
Side Belt Assembly



Item	Part Number	Description	Quantity
1	5004095	SIDE BELT COVER, LEFT	1
2	5004096	SCREW M6 × 10L with Spring Washer & Washer	4
3	5001752	GUIDE PLATE	1
4	5002196	SCREW M8 × 70L & W	2
5	5001028	SIDE BELT SB/TB-2/3	2
6	5001711	MOTOR SHAFT	2
7	5001715	PULLEY DRIVER	2
8	5000965	SCREW, STANDOFF, BELT COVER SPACER	4
9	5001859	KEY 5 × 5	2
10	5002197	SUPPORT SHAFT	4
11	5004097	RING STW-12	16
12	5001878	PULLEY SHAFT	16
13	5001877	PLASTIC PULLEY – EX SERIES MID IDLER	16
14	5001700	BEARING 6003ZZ	4
15	5001703	PULLEY FOLLOWER	2
16	5001886	PULLEY SHAFT	2
17	5004098	SUPPORT COLUMN	1
18	5031373	SCREW M5 × 45L BHCS	2
19	5001880	ADJUSTMENT BLOCK	2
20	5004100	SIDE BELT COVER, RIGHT	1
21	5001753	GUIDE PLATE	1
22	5002192	SCREW M6 × 12L with Spring Washer & Washer	8
23	5004099	SUPPORT COLUMN	1
24	5001757	MOTOR SEAT	2
25	5001700	BEARING 6003ZZ	2
26	5001712	UNIVERSAL JOINT	2
27	5001713 5001713-V1-60 5001713-V1-50 5001713-V2-50 5001713-V3-50 5001713-V4-50	MOTOR 110V/60HZ,T18:1 RIGHT SIDE MOTOR 220V/60HZ,T18:1 RIGHT SIDE MOTOR 220V/50HZ,T15:1 RIGHT SIDE MOTOR 240V/50HZ,T15:1 RIGHT SIDE MOTOR 380V/50HZ,T15:1 RIGHT SIDE MOTOR 400V/50HZ,T15:1 RIGHT SIDE	1 1 1 1 1 1
28	5001921	SHAFT SEAT	4
29	5001854	CHAIN SPPOCKET	2

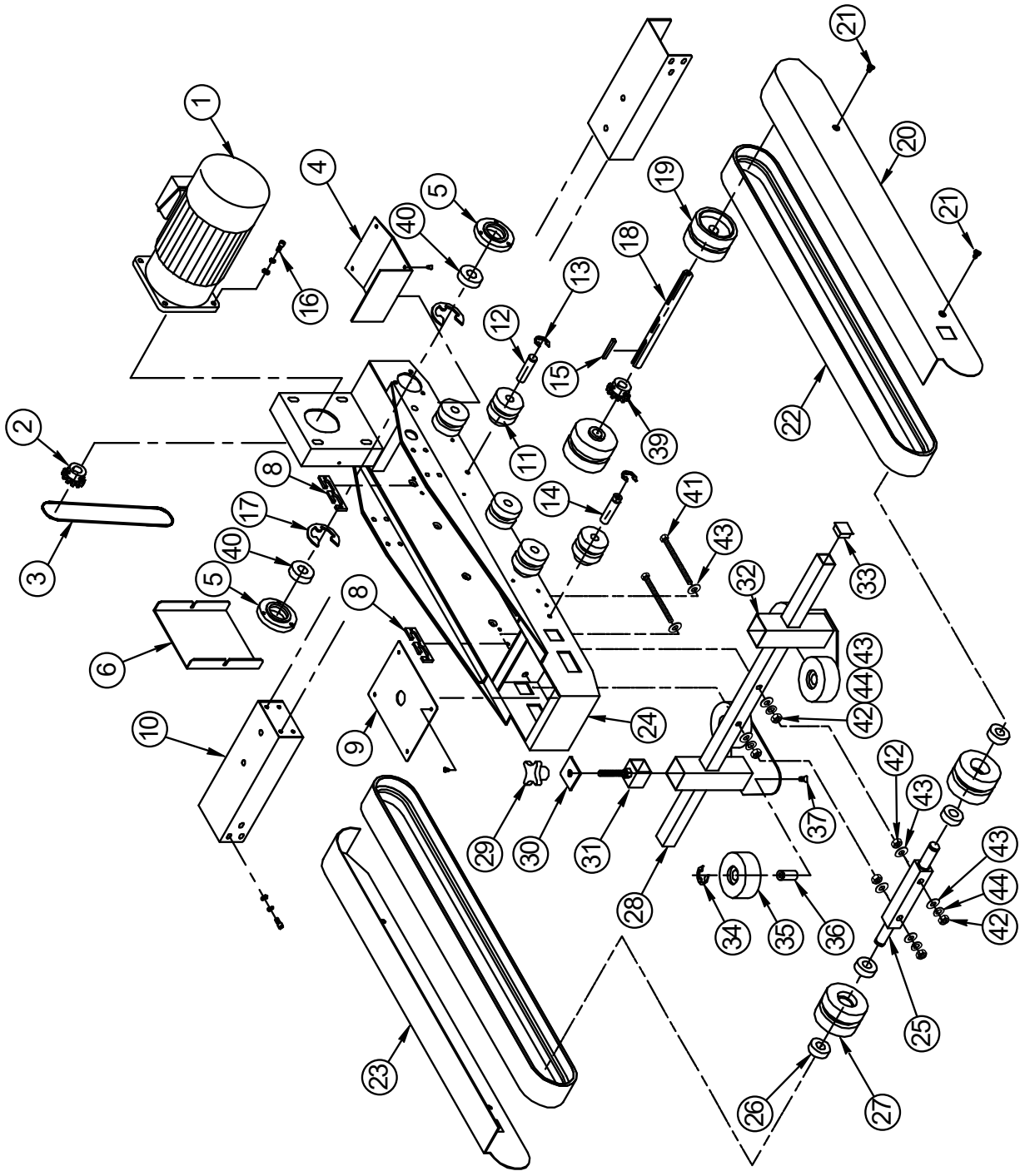
Item	Part Number	Description	Quantity
30	5001855	CHAIN	1
31	5002225	SPINDLE WIDTH ADJUSTMENT, FRONT	1
32	5002192	SCREW M6 × 12L with Spring Washer & Washer	8
33	5002156	SHAFT	1
34	5001977	HANDLE RING	2
35	5001710	HANDLE CRANK ARM	1
36	5001827	SCREW M6 × 20L with Spring Washer & Washer	1
37	5005763	SPINDLE WIDTH ADJUSTMENT, REAR	1
38	5001701	BEARING 6203ZZ	2
39	5002155	SPINDLE SUPPORT RIGHT	2
40	5004101	SPINDLE SUPPORT LEFT	2
41	5001714 5001714-V1-60 5001714-V1-50 5001714-V2-50 5001714-V3-50 5005290	MOTOR 110V/60HZ,T18:1 LEFT SIDE MOTOR 220V/60HZ,T18:1 LEFT SIDE MOTOR 220V/50HZ,T15:1 LEFT SIDE MOTOR 240V/50HZ,T15:1 LEFT SIDE MOTOR 380V/50HZ,T15:1 LEFT SIDE MOTOR 400V/50HZ,T15:1 LEFT SIDE	1 1 1 1 1 1
42	5005764	BRACING ARM	2
43	5005765	SHAFT BRACING	2
44	5001965	LOCK COLLAR – FRONT SPINDLE, CF	2

Vertical Column



Item	Part Number	Description	Quantity
1	5005766	SPINDLE SUPPORT	2
2	5005767	HEIGHT ADJUSTMENT SPINDLE	2
3	5004107	CHAIN WHEEL	2
4	5001710	HANDLE CRANK ARM	1
5	5004118	SCREW M8 × 16L with Washer & Spring Washer	1
6	5005768	CHAIN PLATE	1
7	5005769	CHAIN	1
8	5005770	CHAIN COVER	1
9	5004114	SCREW M4 × 10L with Washer & Spring Washer	4
10	5004115	CHAIN WHEEL	1
11	5004116	CHAIN WHEEL SHAFT	1
12	5001896	BUSHING Ø10 × Ø12 × 10L	2
13	5004117	SCREW M6 × 35L with Spring Washer & Nut	1
14	5005771	BRACKET, BRIDGE CHANNEL	1
15	5005772	SUPPORT SET	2
16	5002192	SCREW M6 × 12L with Spring Washer & Washer	4
17	5004108	COVER PLATE	2
18	5004109	SET PLATE	2
19	5002192	SCREW M6 × 12L with Spring Washer & Washer	8
20	5005773	COLUMN	2
21	5001852	BEARING 6202ZZ	2
22	5001887	SCREW M6 × 16	4
23	5001754	BEARING SEAT	2
24	5004110	SET PLATE	2
25	5002192	SCREW M6 × 12L with Spring Washer & Washer	8
26	5005774	REINFORCEMENT PLATE	2

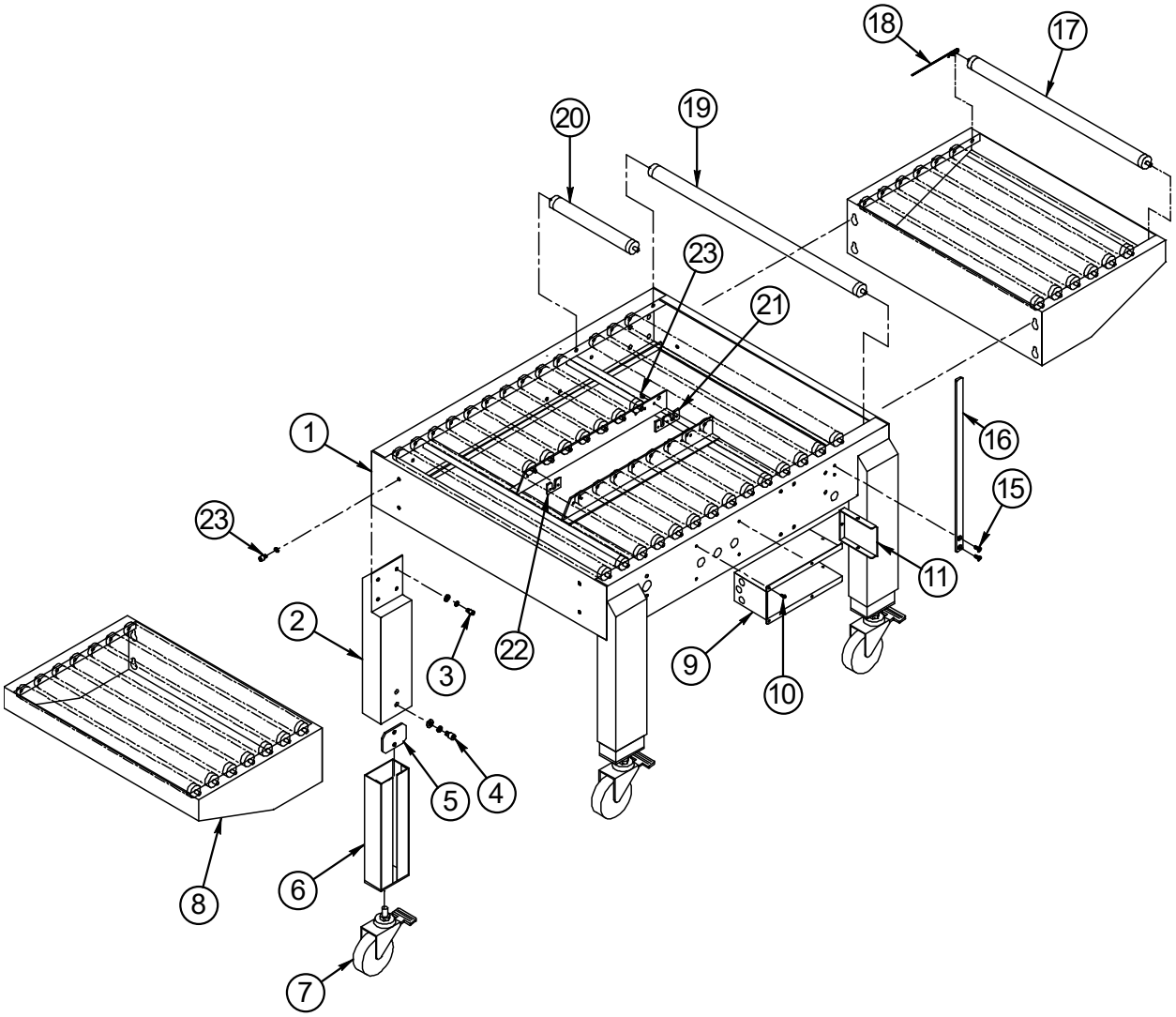
Upper Taping Seat & Top Belt



Item	Part Number	Description	Quantity
1	5001714	MOTOR 110V/60HZ,T18:1	1
	5001714-V1-60	MOTOR 220V/60HZ,T18:1	1
	5001714-V1-50	MOTOR 220V/50HZ,T15:1	1
	5001714-V2-50	MOTOR 240V/50HZ,T15:1	1
	5001714-V2-50	MOTOR 380V/50HZ,T15:1	1
	5005290	MOTOR 400V/50HZ,T15:1	1
2	5002146	MOTOR SPROCKET WHEEL	1
3	5001911-2	DRIVE CHAIN – UPPER, TB-EX	1
4	5005775	COVER PLATE	1
5	5001867	BEARING SEAT	2
6	5005776	MOTOR COVER	1
7			
8	5001696B	BRACKET – TAPEHEAD TOP REAR	4
9	5005777	COVER PLATE	1
10	5005772	SUPPORT SET	2
11	5001877	PLASTIC PULLEY	10
12	5001878	PULLEY SHAFT	6
13	5004097	RING STW-12	10
14	5005043	PULLEY SHAFT	4
15	5001859	KEY 5 × 5	1
16	5003071	SCREW M8 × 25L with Spring Washer & Washer	4
17	5005780	RING RTW-40	2
18	5005781	DRIVER SHAFT	1
19	5001715	PULLEY DRIVER	2
20	5005782	TOP BELT COVER, RIGHT	1
21	5004096	SCREW M6 × 10L with Spring Washer & Washer	4
22	5001032	BELT (Set – Pair of 2)	1
23	5005783	TOP BELT COVER, LEFT	1
24	5005784	UPPER TAPING SEAT	1
25	5005785	ADJUSTABLE SHAFT	1
26	5001700	BEARING 6003ZZ	4
27	5001703	PULLEY FOLLOWER	2
28	5005786	SUPPORT BAR	1
29	5001709	HANDLE KNOB	2
30	5001811	LOCKING BRACKET	2
31	5005787	SCREW KNOB	2
32	5005788	COMPRESSION ROLLER SEAT	2
33	5005340	RUBBER PLUG	2
34	5001814	RING STW-17	4
35	5001708	COMPRESSION ROLLER	4

Item	Part Number	Description	Quantity
36	5001702	COMPRESSION ROLLER SHAFT	4
37	5002178	SCREW M6 × 10L	4
38			
39	5001905	MOTOR SPROCKET WHEEL	1
40	5001701	BEARING 6203ZZ	2
41	5002831	SCREW M10 × 110L HEX HEAD	2
42	2006164	NUT M10 HEX	6
43	2006172	WASHER M10 FLAT	8
44	4503109	WASHER M10 SPLIT SPRING LOCK	4

Machine Body



Item	Part Number	Description	Quantity
1	5005789	MACHINE FRAME	1
2	5004121-SBTB	MACHINE LEG	4
3	5004122	SCREW M8 × 16L with Spring Washer & Washer	16
4	5004123	SCREW M10 × 16L w/ Spring Washer & Washer	8
5	5005790	CLAMP	4
6	5002127-SBTB	ADJUSTABLE LEG	4
7	5001707	CASTER	4
8	5005792	ROLLER SEAT	2
9	5004126	ELECTRICAL BOX	1

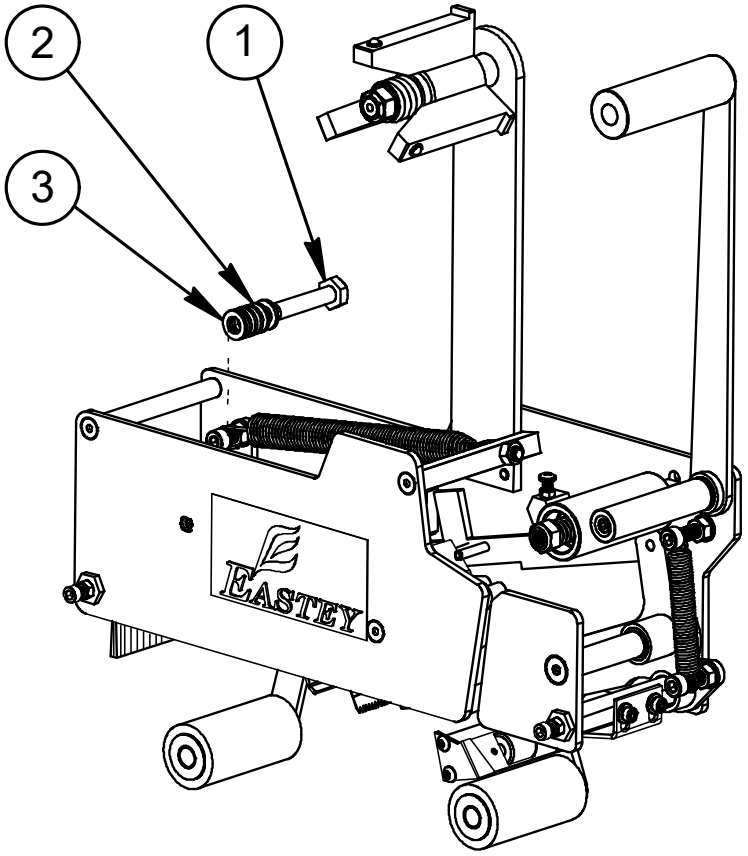
Item	Part Number	Description	Quantity
10	5004127	SCREW M5 × 10L	4
11	5004128	ELECTRICAL COVER	1
12			
13	5005793	PRESSURE PLATE	2
14	5005794	PRESSURE PLATE	2
15	5002163	SCREW M6 × 12L	2
16	5004129	FIXED SEAT	1
17	5005795	ROLLER	16
18	5004130	PIN	26
19	5005796	ROLLER(LONG)	9
20	5005797	ROLLER(SHORT)	16
21	5004131	B-PLATE	2
22	5004132	A-PLATE	2
23	5004133	SCREW M8 × 12L with Spring Washer & Washer	8

Tape Head (2″ or 3″) — Refer to Tape Head User Guide

Refer to the User Guide provided with the Tape Head for the Illustrated Parts List and part numbers for Tape Head parts.

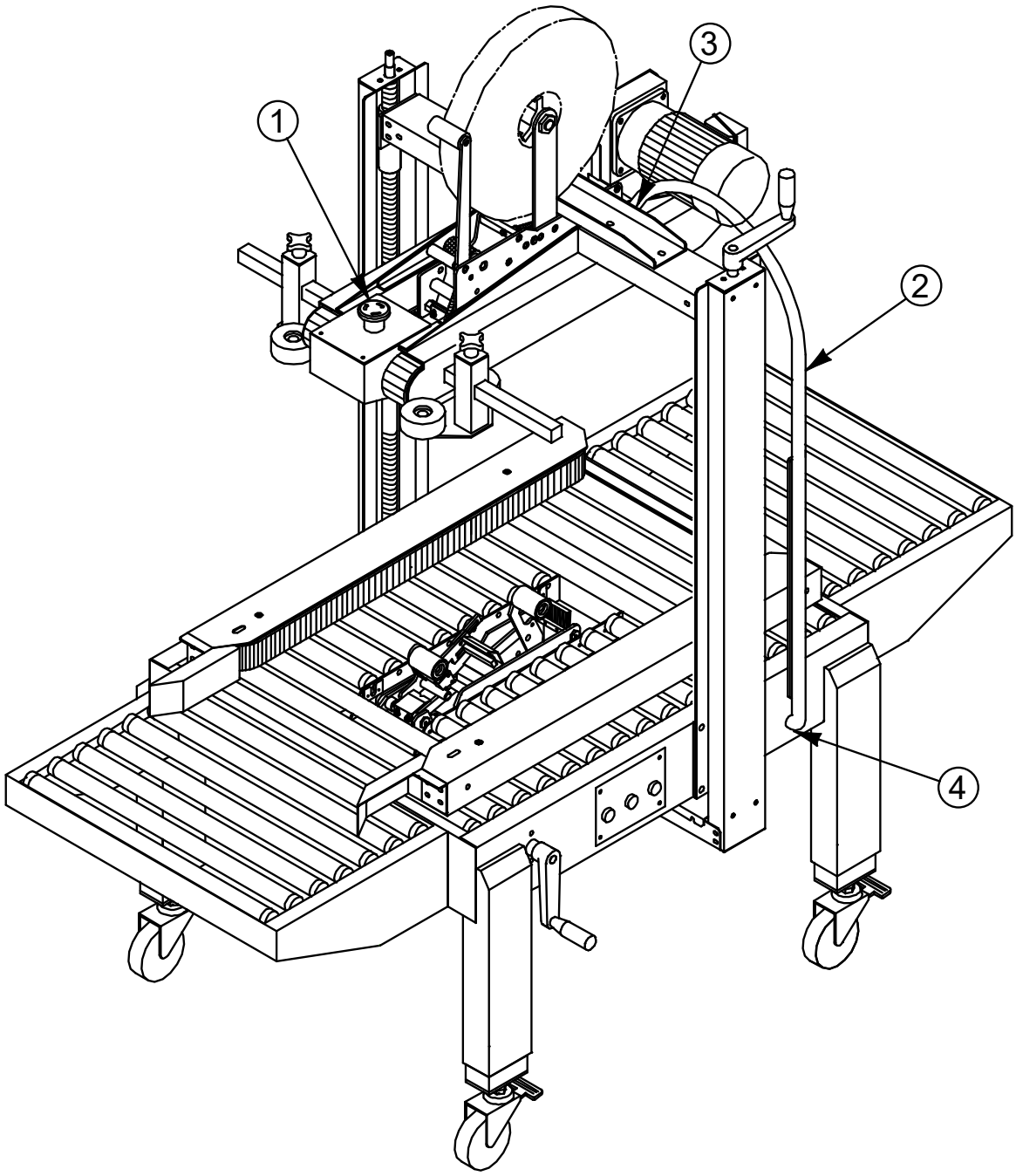
3″ Tape Head

The three-inch tape head requires a special screw and washers for the rear locator screw as shown. Using a wrong-size screw in the location shown with the 3” tape head could interfere with and damage the drive belt.

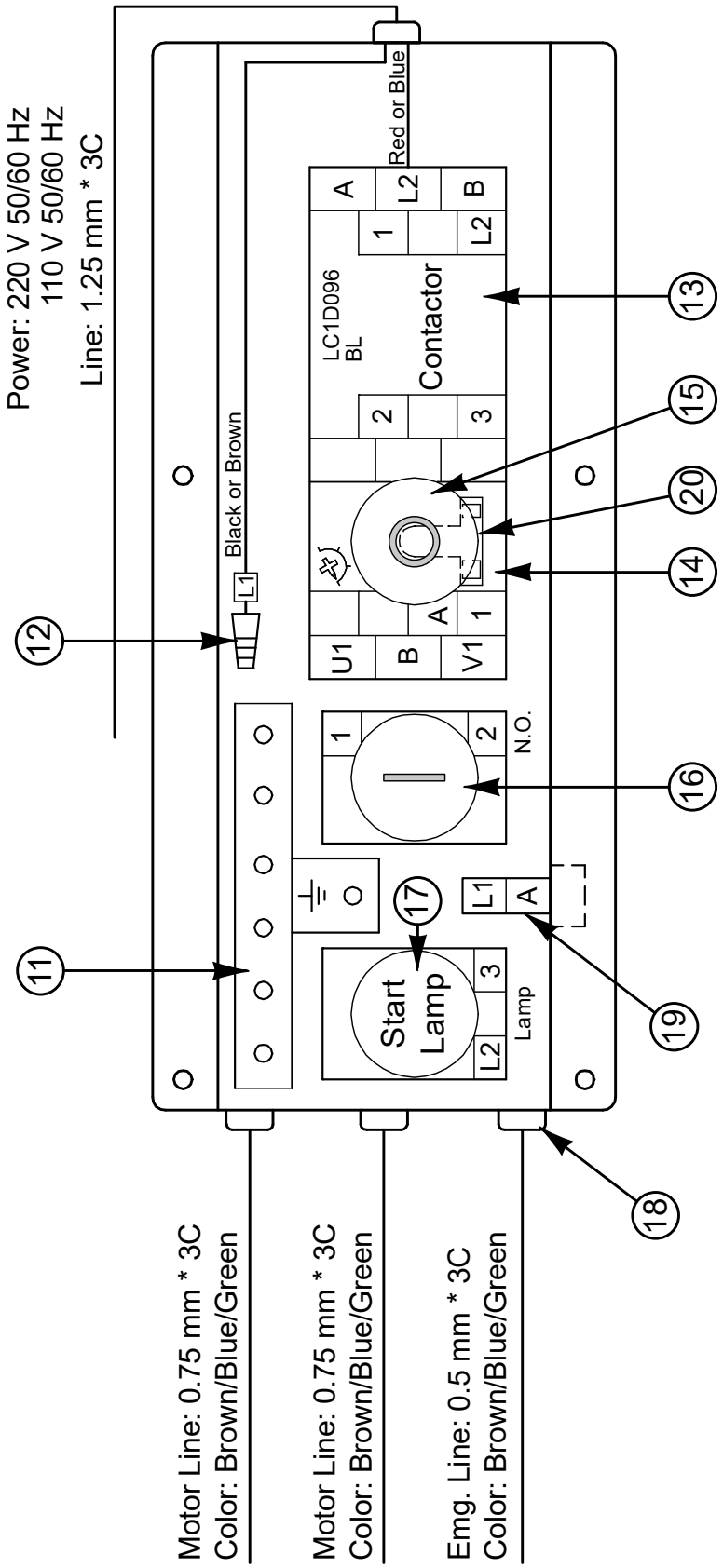


Item	Part Number	Description	Quantity
1	5007014	TAP BOLT M10-1.5 × 50, GR 8.8 ZN	1
2	2006172	LOCK WASHER M10 SPLIT	5
3	4503109	FLAT WASHER M10	1

Electrical



Electrical Panel Layout



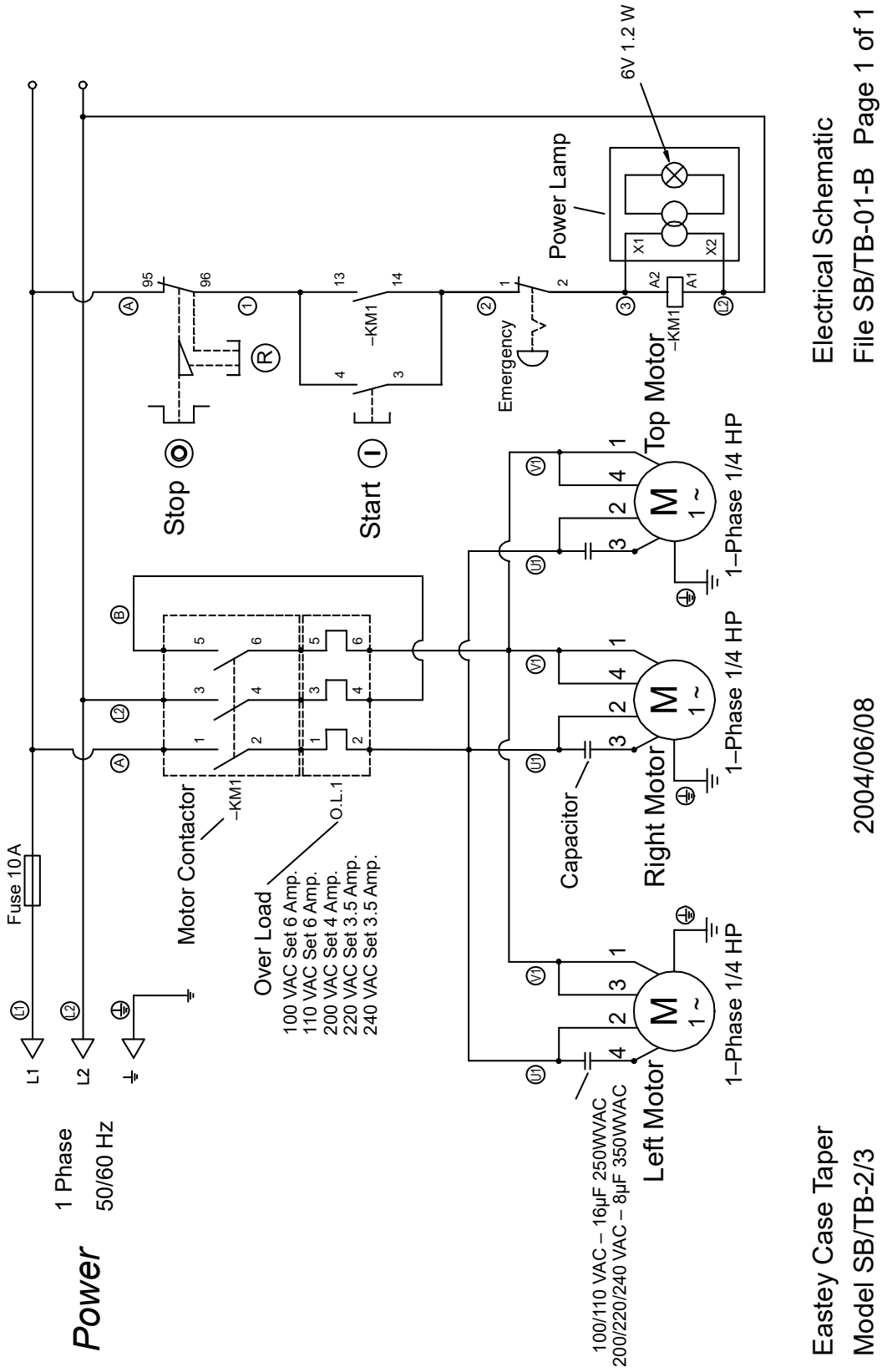
Electrical Panel Layout
File SB/TB-01-A Page 1 of 1

2004/06/09

Eastey Case Taper
Model SB/TB-2/3

Item	Part Number	Description	Quantity
1		EMG. SWITCH	1
		BUTTON SEAT CONTACTOR NCx1	1
2	5001755	1/2” CONNECTOR	1
3	5001830	1/2” PROTECT TUBE	1
4	5001756	1/2” 90° CONNECTOR	1
11	5001915	TERMINAL BLOCKS TB6P	1
12	5004092	CONNECTOR	1
13	5001759 5001759-V1	CONTACTOR LC1-D09F7 110V CONCACTOR LC1-D09M7 220V	1 1
14	5001760 5001760-V1	OVERLOAD PROTECTOR LR3-D106(4-6A)(110V) OVERLOAD PROTECTOR LR3-D086(2.5-4A)(220V)	1 1
15	5001978	BUTTON	1
16	5001903	BUTTON CONTACTOR NOX1	1 1
17	5001761-V1 5001762	POWER LAMP 220V BLANKIG PLUG	1 1
	5001761 5001762	POWER LAMP 110V BLANKIG PLUG	1 1
18	5004093	FIXED SEAT	4
19	5001730 5001730-1	FUSE FUSE SEAT	1 1
20	5004094	ENCLOSURE	1

Appendix A: Electrical Schematic



Video Library

The videos below cover topics discussed in this user guide. To view them, click the link or input the link text into a browser, or scan the QR code at right with the camera app on your mobile device.

Instructional Videos

VIDEO: Threading the Tape Cartridge — Eastey EX Cartridge https://www.youtube.com/watch?v=TJRVNniJIXQ	
VIDEO: Threading the Tape Cartridge — Eastey EZ-EX Cartridge https://www.youtube.com/watch?v=E5C8fH48IfY	
VIDEO: Threading the Tape Cartridge — Eastey L-Clip Cartridge https://www.youtube.com/watch?v=z5ZoGjEwzWs&list=PLw2fFM1Tj1XVwEOXq_cpbKIbzF6trEd0W&index=5&pp=iAQB	

Application Videos

VIDEO: SBTB Case Taper Long Box Application Video: Eastey SBTB Case Taper long box application	

Warranty Statement
Case Taping and Material Handling Equipment

This Warranty Statement is Available Online

This Warranty Statement is also available from the Eastey Support Website in electronic format for web browsers and e-readers. Go to EngageTechnologies.net >> Eastey Case Sealing & Packaging Equipment >> Warranty >> Case Taper & Material Handling Warranty >> Warranty Statement Case Taping and Material Handling Equipment, or scan the QR Code at right using the camera app on your mobile device to go directly to the online version of the most current version this Warranty Statement.

Warranty Statement

Eastey warrants that all of the case taping and material handling equipment it ships (case tapers, case erectors, case formers, conveyors, VCTS) will be in good working order and free from defects in material and workmanship for a period of one (1) year from the date of shipment by Eastey and will conform to the published specifications for that product under proper and normal use and maintenance: Purchased parts will also be warranted for one (1) year.

Eastey tape heads are warranted for a period of three (3) years from the date of shipment by Eastey (except for moving parts subject to normal wear and tear).

Damage caused during transport is the responsibility of the carrier and is not covered under this warranty. All damages detected upon receipt of equipment should be reported immediately to the carrier and Eastey should be notified.

Warranty Period – Specific Items

Any moving or wear parts are covered for 180 days after the date of purchase. This includes items such as rollers, blades, and belts. Fuses are consumable items and are not covered under warranty.

Repairs

All in-house repairs are rigorously tested for optimum operation and performance and warranted to be, under normal and proper use, free from defects in material and workmanship for a period of 90 days from the date of service.

Shipping Policy

Customer pays all incoming shipping charges for replacement components. If the item is defective and under warranty, Eastey will pay return shipping charges via the least costly method. If expedited shipping is desired, the customer must furnish their shipping account number and shipping fees will be charged to that account.

Exclusions

Damage due to tampering, abuse, improper adjustment, electrical interference, or the use of non-approved components will void any and all warranties by Eastey and its distributors.

Warranty Verification

If you believe that a product may be defective and may be covered by warranty, obtain a Return Material Authorization number by calling our technical support number (toll free at 1-800-835-9344, or 763-428-4846 or Fax: 763-795-8867) or e-mail: info@eastey.com. Based on the recommendation from Eastey technical support, replacement components may be shipped out via UPS Ground or similar method. If expedited shipping is desired, the customer must furnish their shipping account and shipping fees will be charged to that account.

Customer is required to return the defective component to Eastey. If, after 30 days, Eastey hasn't received the defective component, the customer will be invoiced for the replacement component. If the returned component is found to not be eligible for warranty, Eastey will contact the customer, and the customer will be invoiced tor the replacement component.

Warranty within 60 days of invoice

For warranty questions that take place within 60 days of the original invoice, Eastey will allow cross-shipment of a replacement component to an end-user customer or Eastey distributor. The customer will be invoiced for the replacement component 60 days after it ships. Upon receipt of the returned component, Eastey will evaluate it and issue credit where necessary.

For components that have been misused or externally damaged, Eastey will not issue credit and will contact the customer to determine whether or not they want the component repaired and/or returned.

Warranty after 60 days of invoice

For warranty questions that take place more than 60 days from the original invoice, Eastey requires the end-user or Eastey distributor to return the component to Eastey for repair. Upon receipt of the returned component, Eastey will evaluate it and repair as necessary.

Components that fail within our warranty policy will be repaired normally within 5 business days or receipt and returned to the customer via standard ground shipping at Eastey's expense. If expedited shipping is required, the customer must furnish their shipping account number and shipping fees will be charged to that account.

For components that have been misused or externally damaged, Eastey will contact the customer to determine whether or not they want the component repaired and/or returned.

Warranty Eligibility

The warranty provided by Eastey will only be covered provided that"

- Equipment usage is proper and normal
- Equipment is still owned by the original buyer
- Equipment has been operated in accordance with generally approved practice and in accordance with Eastey's specifications and instructions
- No repairs, alterations, or replacement have been made by others without Eastey's prior written approval
- Genuine Eastey repair components are used during the warranty period

Limited Warranty

THIS WARRANTY SHALL NOT APPLY IF ANY MODIFICATION, ALTERATION OR ADDITION IS MADE TO THE PRODUCT WITHOUT EASTEY'S PRIOR WRITTEN

APPROVAL. FURTHERMORE, THEIS WARRANTY DOES NOT APPLY TO PRODUCT DEFECTS DUE TO MISUSE, ABUSE, NEGLECT, OR FAILURE TO FOLLOW RECOMMENDED PROCEDURES. ANY PRODUCT REPAIRED OR ALTERED BY PERSONS OTHER THAN AUTHORIZED EASTEY REPRESENTATIVES WILL NOT BE COVERED BY THIS WARRANTY. THIS WARRANTY DOES NOT APPLY TO CONSUMABLE ITEMS.

EXCEPT AS EXPRESSLY PROVIDED IN THIS WARRANTY, EASTEY MAKES NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, WITH RESPECT TO THE PRODUCT, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY AS TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT OR ANY OTHER MATTER. EASTEY SHALL HAVE NO LIABILITY TO ANY PERSON FOR INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGE OF ANY DESCRIPTION WHETHER ARISING OUT OF WARRANTY OR OTHER CONTRACT, NEGLEGENCE OR OTHER TORT, OR OTHERWISE. NO AGENT, EMPLOYEE, OFFICER, OR OTHER REPRESENTATIVE OF EASTEY HAS AUTHORITY TO BIND EASTEY TO ANY REPRESENTATION OR WARRANTY EXCEPT AS STATED HEREIN. UNDER NO CIRCUMSTANCES SHALL EASTEY'S LIABILITY HEREUNDER, FOR ANY REASON OR CAUSE EXCEED THE PRICE PAID TO EASTEY FOR THE PRODUCT.

Disclaimer of Damages

REGARDLESS OF WHETHER ANY REMEDY SET FORTH HEREIN FAILS OF ITS ESSENTIAL PURPOSE, IN NO EVENT WILL EASTEY BE LIABLE FOR ANY SPECIAL, CONSEQUENTIAL, INDIRECT OR SIMILAR DAMAGES, INCLUDING LOST PROFIT OR LOST OPPORTUNITIES OF ANY TYPE ARISING OUT OF THE USE OR INABILITY TO USE THESE PRODUCTS EVEN IF EASTEY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Terms and Conditions

Eastey's Terms and Conditions of Sale are set forth separately at WWW.EASTEY.COM and are hereby incorporated by reference into this warranty statement as if fully set out within.

Customer Support

Eastey Technical Service

For help setting up or operating the SBTB-2/3EX Industrial Case Taper, please contact Eastey Technical Service at one of the numbers listed below.

Toll Free	Phone	800-835-9344
	Phone	763-428-4846
	Fax	763-795-8867
	E-mail	info@eastey.com
	Web	www.eastey.com

Thanks again for your purchase of Eastey products. We are pleased to be a part of your packaging needs.

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