

TRIMINATOR[®]
BUCKMASTER SERIES

OWNER'S MANUAL_{v1}

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INTRODUCTION

Congratulations on your selection of the Triminor commercial buckler. We want to help you to get the best results from your new buckler and to operate it safely. This manual contains the information on how to do that; please read it carefully before you set up and use your buckler. This manual reflects the instructions for both the BuckMaster and BuckMaster Pro machines.

We suggest you read the LIMITED WARRANTY (page 19) to fully understand coverage and your responsibilities of ownership. Keep this owner's manual handy, so you can refer to it at any time. This owner's manual is considered a permanent part of the buckler and should remain with the buckler if resold. The information and specifications included in this publication are those that were in effect at the time of approval for printing. Eteros Technologies, (Eteros) reserves the right, however, to discontinue or change specifications or design at any time without notice and without incurring any obligation whatever. No part of this publication may be reproduced without written permission.

SAFETY MESSAGES

Your safety and the safety of others are very important. We have provided important safety messages in this manual and on the Triminor. This information alerts you to potential hazards that could hurt you or others. Please read these messages carefully. Of course, it is not practical or possible to warn you about all the hazards associated with operating or maintaining a buckler. You must use your own good judgment.

You will find important safety information in a variety of forms:

Safety Labels - located on the buckler.

Instructions - how to use this buckler correctly and safely.

Safety Messages - preceded by a safety alert.

A symbol and one of two signal words: **DANGER, CAUTION**. These signal words mean:



You **WILL** be KILLED or SERIOUSLY HURT if you don't follow instructions.



You **CAN** be KILLED or SERIOUSLY HURT if you don't follow instructions.

Each message tells you what the hazard is, what can happen, and what you can do to avoid injury.

Damage Prevention Messages - You will also see other important messages that are preceded by the word **NOTICE**. This word means:



Your buckler or other property can be damaged if you don't follow instructions.

BUCKER SAFETY

IMPORTANT SAFETY INFORMATION

Trinator commercial buckers are designed to remove flowers from stems on a variety of herbal material. Other uses could result in injury to the operator or damage to the bucker and other property. Injuries and property damage from buckers can be prevented by following all instructions in this manual and on the bucker. The most common hazards are discussed below, along with the best way to protect yourself and others.

Avoid Rotating Rubber Rollers

The Trinator's rubber rollers can cause serious damage, cuts and even amputate fingers or hands. Keep hands, arms, and body away from the rubber rollers whenever the drum drive motor is running. Keep hair, clothing, and jewelry away from the rollers. If you need to work around the bucker to clear or clean plant material for any reason, always shut off the electric motor and disconnect the bucker's power cord from the AC outlet. ***Never put your hand in contact with the rubber rollers while the machine is running; serious personal injury could result.***

Clear Operation Area

Before operating the bucker, carefully inspect the surrounding area and remove all obvious hazards that could cause you to trip, slip, or fall into the bucker.

Keep Guards and Shields in Place

Guards and shields are designed to protect you from touching moving components. For your safety and the safety of others, keep all shields in place when the bucker is running.

Turn Electric Motor Off When Not Operating the Bucker

If you need to leave the bucker for any reason, always turn the electric motor off.

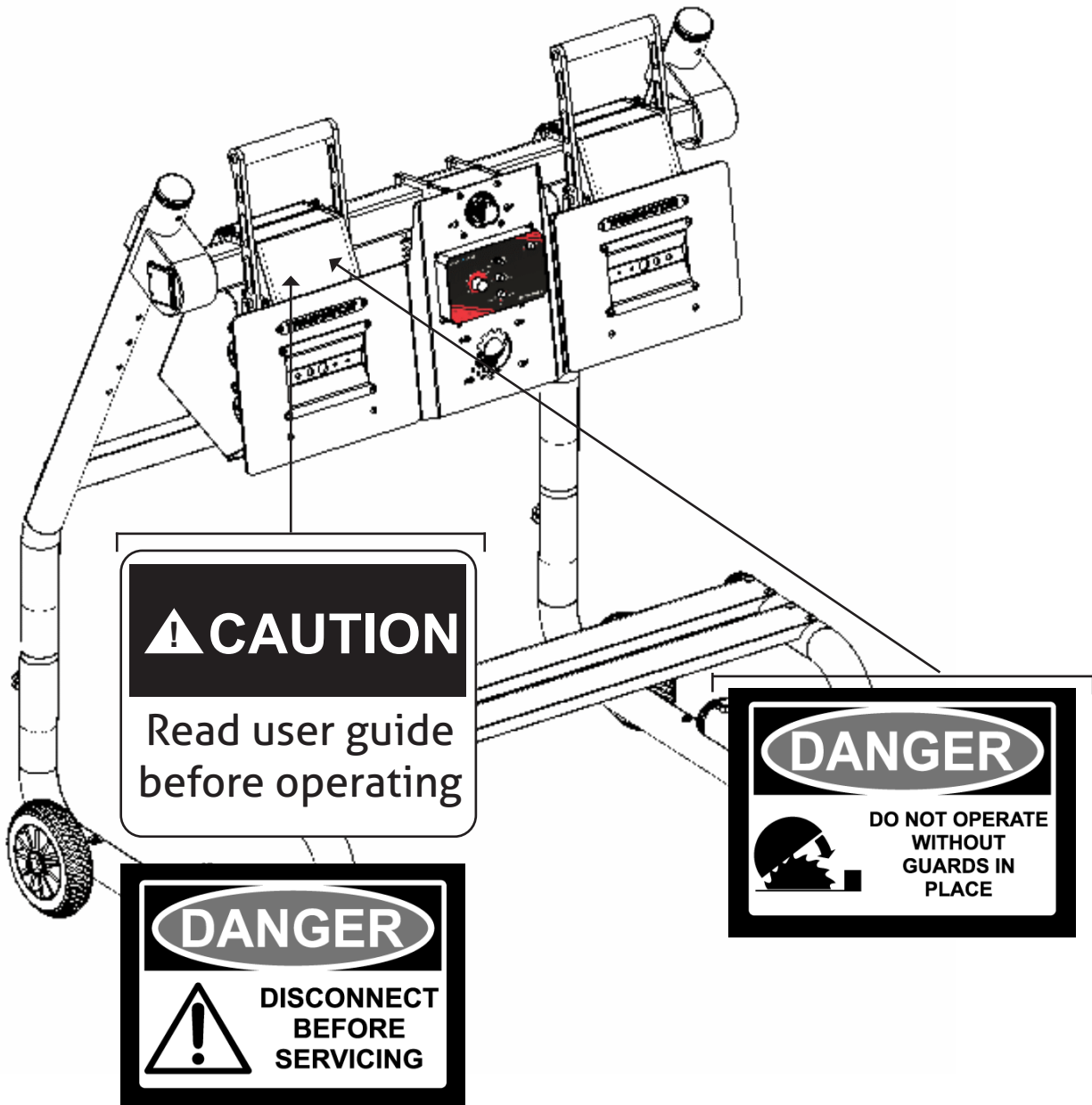
Operate on Flat Surface

To avoid overturning, only operate the bucker on flat surfaces. Control the bucker carefully when transporting it across uneven ground or slopes. Do not push the bucker down or across steep slopes: the bucker could overturn, causing injury to the operator or bystanders.

Operator Responsibility

Know how to stop the bucker quickly in case of emergency. Understand the use of all bucker controls. Never permit anyone to operate the bucker without proper instruction. Do not let children operate the bucker.

SAFETY LABEL LOCATIONS



SETUP AND ASSEMBLY

UNPACKING and INSPECTION

Trinator BuckMaster comes in shipping boxes disassembled. Upon receipt please check the boxes for damage and mark any damage on the shipping BOL and follow the shipper's instructions.

1. To begin, disassemble the shipping boxes. Make note of any damage, which is identified on either the machine parts or the shipping crate. Notify the shipper, your dealer and MMC immediately, should damage be identified.
2. Remove the components from the packaging and place them on a flat and level surface.

ASSEMBLY:

Required tools

Standard hex wrench set

Personnel

Two people are recommended to help with the assembly of the BuckMaster Machines. It can be completed with one person, however assembly may take longer and be more difficult.

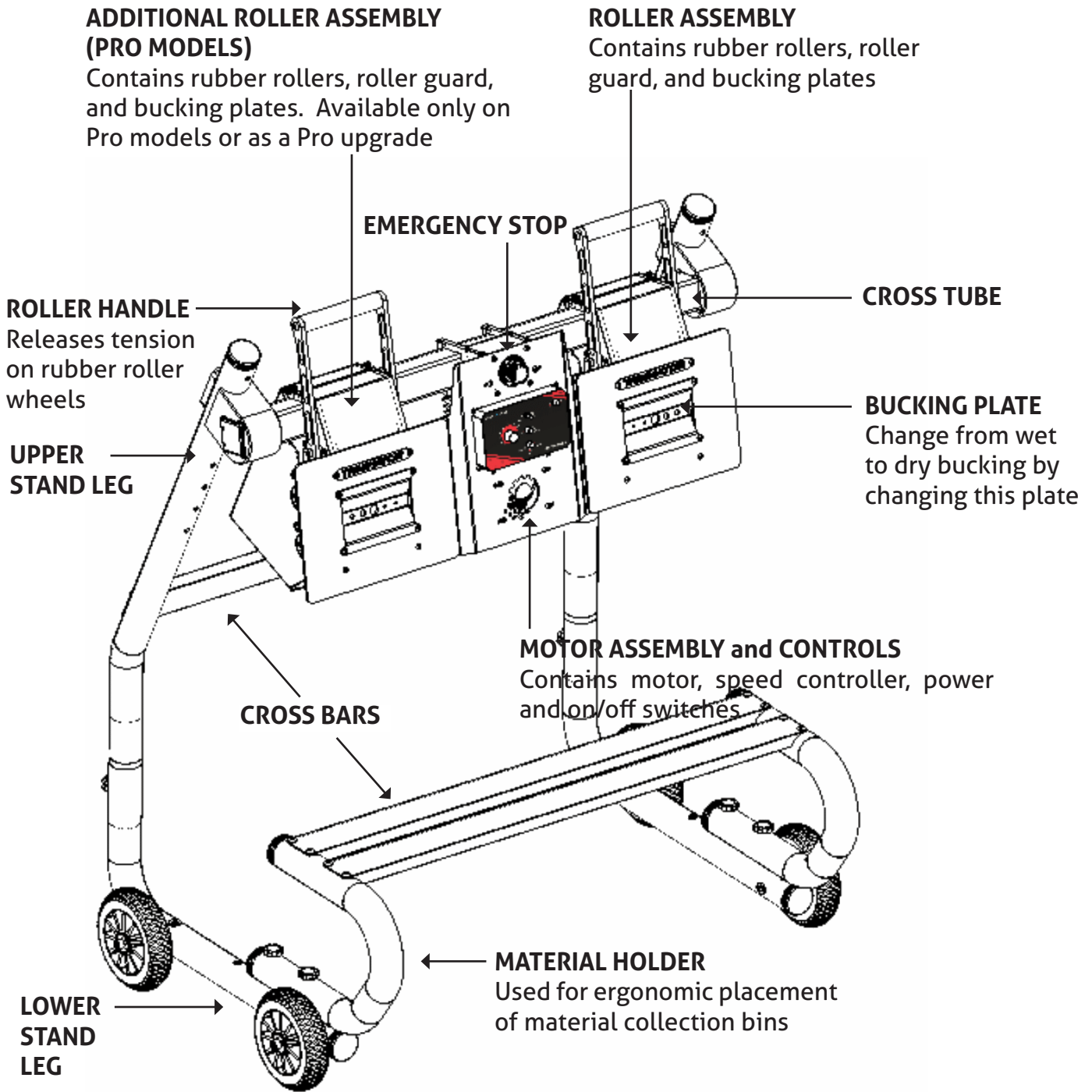
Instructions

Follow the video instructions at the link below:

BUCKMASTER SERIES

<http://bit.ly/buckmasterproassembly>

COMPONENTS



BEFORE OPERATION

BEFORE OPERATION

Read and understand this manual. Know what the controls do and how to operate them. Familiarize yourself with the buckler and its operation before you begin using it. Know how to quickly shut off the machine in case of an emergency.

Your safety is your responsibility.

IS YOUR BUCKER READY FOR OPERATION?

For your safety, and to maximize the service life of your equipment, it is very important to take a few moments each time before you operate the buckler to check its condition. Be sure to take care of any problem you find before you operate the buckler.

Improperly maintaining this buckler, or failing to correct a problem before operation, could cause a malfunction which could cause you to be seriously injured. Always perform a pre-operation inspection before each operation, and correct any problem.

Before beginning your pre-operation checks, be sure the buckler is on a level surface, the motor timer switch is in the OFF position, and all power cords are unplugged.

Check the General Condition of the Bucker

Clean the rubber rollers, bucking plates, and tension system. Look for signs of damage.

Check each control for proper operation.

Check parts for wear. Replace if necessary.

Check that all nuts, bolts, and clamps are tightened appropriately.

KEEP ALL SHIELDS, GUARDS AND COVERS IN PLACE WHILE OPERATING THE BUCKER.

OPERATION

CHECK YOUR WORK AREA

For your safety and the safety of others, always inspect the area before operating the bucker.

Objects: Anything which can be grabbed by the rotating rubber rollers is a potential hazard to you and others. Look for hazards and remove them from the work area. Tie back loose clothing and long, loose hair. Remove any jewelry.

SAFE OPERATING PRECAUTIONS

Before operating the bucker for the first time, please review both the Bucker SAFETY section (page 3) and the BEFORE OPERATION section (page 7).

Even if you have operated other buckers, take time to become familiar with how the Trimator works.

Never tamper with or alter any of the controls or safety devices on the bucker.

Do not operate on slopes.

Never operate Trimator while under the influence of drugs, alcohol or prescriptions, including over-the-counter cold/flu medications and allergy medications.

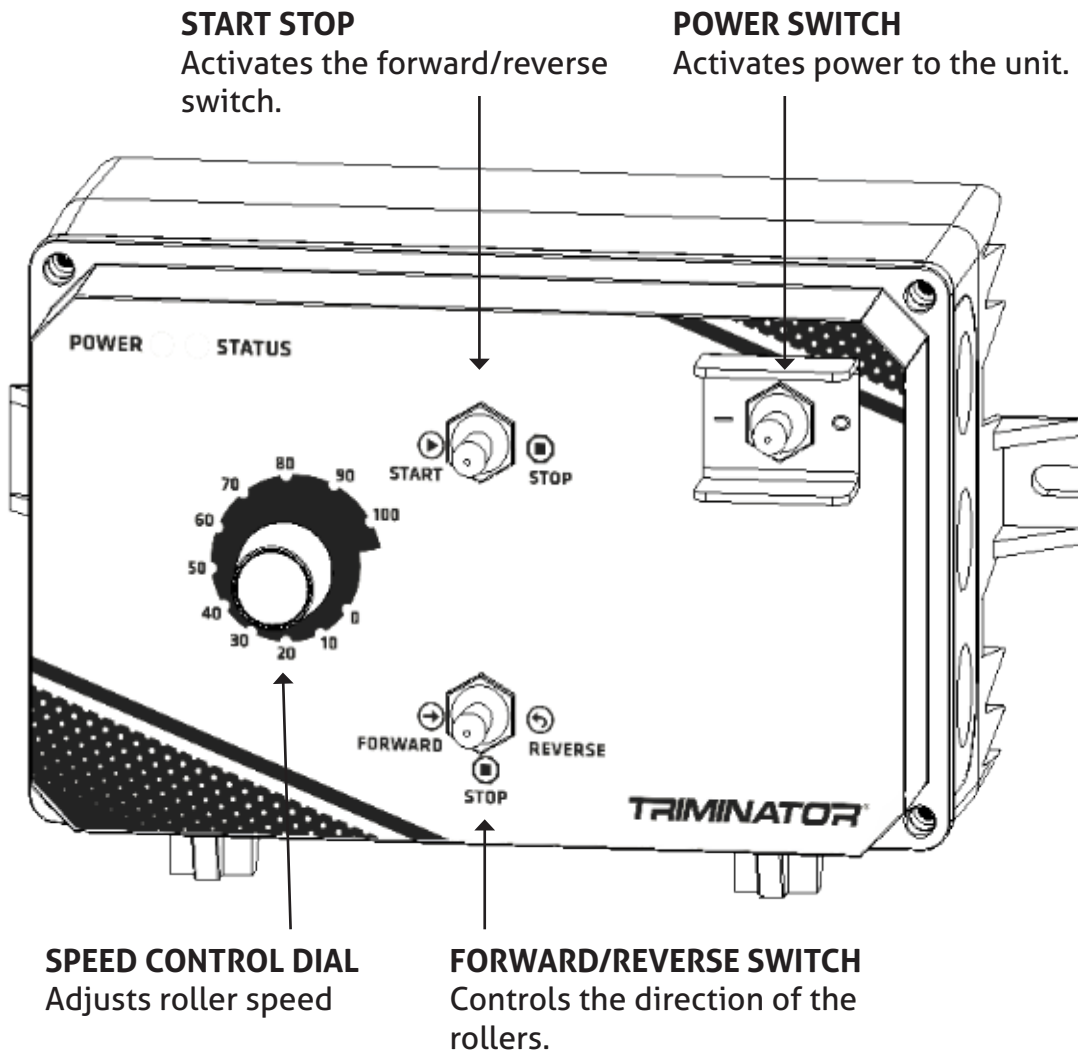
Protective clothing and eye and/or hearing protection should be worn during operation.

For your safety, do not operate while wearing loose-fitting clothing, jewelry, etc..

Long hair should be secured in a manner that keeps it away from mechanical parts.

Rotating machinery parts can entangle loose clothing, long hair or dangling jewelry resulting in serious injury or death.

CONTROLS



NOTICE: The BuckMaster series offers redundancy controls for safe operation. In order to operate all controls must be in an active position and the emergency stop must be in an operating position.

STARTING THE BUCKER

CONNECT POWER CORDS

1. Connect the Trinator BuckMaster power cord to a 15 amp 120 vac AC circuit. Do not connect and disconnect the power cord with wet hands. Do not operate in the rain.

The Trinator machine draws a max of 7 amps.

STARTING THE MACHINE

1. Align the Trinator BuckMaster power switch to the ON position.
2. Press the start/stop switch to the START position.
3. Press the forward/reverse switch to the FORWARD position.
4. Adjust the speed control dial to the desired speed.

STOPPING THE MACHINE DURING NORMAL OPERATION

To stop the Trinator during normal operation, press the start/stop switch to the STOP position.

STOPPING THE MACHINE DURING AN EMERGENCY

To stop the Trinator in an emergency, press the emergency stop button. The emergency stop button will remain depressed until it is reset.

RESETTING THE MACHINE FOLLOWING AN EMERGENCY STOP

For the safety of the operator the machine must be reset following an emergency stop.

1. Return Emergency Stop to the Active Position by rotating the red button clockwise until it returns to its fully extended position.
2. Align the Power Switch to the Off position
3. Push the start/stop switch to the STOP
4. Forward/Reverse - Neutral (centered)
5. Start the machine as you would under normal operation conditions

DISCONNECT POWER CORDS

Disconnect the bucker's power cord by pulling on the power cord plug.

NOTICE: *Be sure to hold the plug when disconnecting the power cord from the electrical outlet. Do not disconnect by pulling on the power cord.*

BUCKING TIPS

For best efficiency, run batches of similar sized material through the machine. In general dry product should be run at a slower speed than wet product to achieve similar results. Use the smallest hole or tube dia available to avoid losses.

WET BUCKING

For greatest efficiency bucking wet product use the holes bucking plate. Set the speed to the fastest setting allowable without excessively breaking apart the buds. If the buds are being broken down to a point that is unacceptable slow the speed until the desired result is achieved.

DRY BUCKING

For greatest efficiency bucking dry product use the tubes bucking plate. Set the speed to the fastest setting allowable without excessively breaking apart the buds. If the buds are being broken down to a point that is unacceptable slow the speed until the desired result is achieved.

REMOVING OBSTRUCTIONS

If the rotating rollers becomes restricted or clogged:

1. Stop the motor and verify all switches are in the stop or off position.
2. Make sure that all rotating parts have come to a complete stop.
3. Disconnect the buckers power cord.
4. Release the tension on the rollers by pulling the handle down and towards the operator.
5. Remove the obstruction.

SERVICING YOUR BUCKER

Proper maintenance is essential for safe, economical, and trouble-free operation. To help you properly care for your buckers, the following pages include a maintenance schedule. Other service tasks that are more difficult, or require special tools, are best handled by professionals and are normally performed by a Trinator technician or other qualified mechanic.

The maintenance schedule applies to normal operating conditions. If you operate your buckers under severe conditions, such as sustained high-load or high-temperature operation, or use it in unusually wet or dusty conditions, consult your servicing dealer for recommendations applicable to your individual needs and use.

Remember that an authorized Trinator servicing dealer knows your buckers best and is fully equipped to maintain and repair it. To ensure the best quality and reliability, use only new, Trinator Genuine parts or their equivalents for repair and replacement.

NOTICE: Improper maintenance, or failure to correct a problem before operation, can cause a malfunction in which you can be seriously hurt or killed. Always follow the inspection and maintenance recommendations and schedules in this owner's manual.

MAINTENANCE SAFETY

Some of the most important safety precautions follow. However, we cannot warn you of every conceivable hazard that can arise in performing maintenance. Only you can decide whether or not you should perform a given task. Failure to properly follow maintenance instructions and precautions can cause you to be seriously hurt or killed. Always follow the procedures and precautions in this owner's manual.

Safety Precautions

Make sure all motors are off and power cords are unplugged before you begin any maintenance or repairs.

Read the instructions before you begin, and make sure you have the tools and skills required.

MAINTENANCE SCHEDULE

INTERVAL	ITEM
Before each use	Insure the rollers are in the tensioned position with the roller handle in the vertical upwards position. Check that machine is free of excessive debris. Ensure that machine is clean.
After each use	For best performance and longevity, release the tension on the rollers by pulling the roller handle down to a horizontal position. This reduces tension on the rollers and prevents them from flattening over time.
After each use	For best performance and longevity, clean bucket after every use or if plant material is visibly affecting the quality or speed of the bucket.
After cleaning	Grease metal to metal interfaces on roller assembly with food safe grease after pressure washing.
Every 80 hours of operation	Check the rubber roller wheels. To do this remove the rear guard (located on the out-feed side of the roller assembly) for signs of wear, cracks or breaks. Replace as needed.

DISASSEMBLE FOR CLEANING AND SERVICE

CLEANING

When to Clean:

Depending on the material being processed and the frequency of use, the holes and tubes of the bucking plates may need to be cleaned. Additionally resin may build up on the rollers over time requiring cleaning.

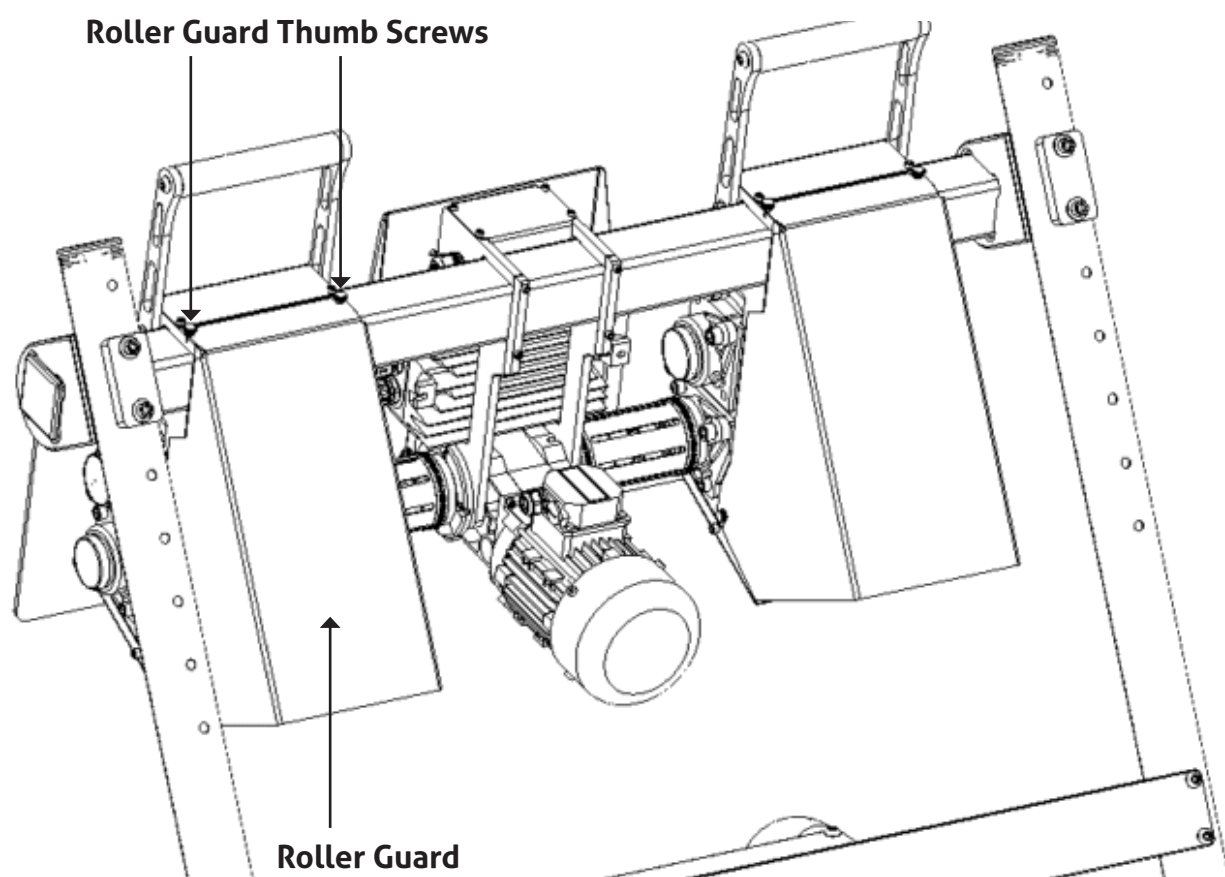
Indications that machine requires cleaning

1. Reduced bucking quality.
2. Visible build-up of material on the bucking plate which obscure the holes or tubes. Visible evidence of material on the rubber rollers.
4. Excessive noise (machine should run quietly so that you may converse normally when it is running)

Disassemble for Cleaning:

1. Shut off motor. Unplug power cords.
2. Release tension on the rubber rollers:
 - a. Pull roller handle down into the horizontal position
3. Remove roller guard:
 - a. With motor off, power cords unplugged loosen and remove the two thumb screw on top of the roller assembly.
 - b. Pull roller guard up and away from roller assembly.

DISASSEMBLE FOR CLEANING AND SERVICE (CONT)



CLEANING AND REASSEMBLY

NOTICE: For best results use hot water whenever possible. The rubber rollers are rated for up to 150 degrees Fahrenheit. When using a hot water pressure washer do not exceed 150 degrees Fahrenheit.

NOTICE: To clean the rubber rollers use either a standard household dish soap or denatured alcohol. Immediately following the use of either cleaning agent, rinse rollers thoroughly with water to remove cleaner.

Do Not select any other degreaser or cleaner as it that it may damage the rubber rollers or any painted or anodized components of the buckler. Always follow the operating instructions provided with the pressure washer.

NOTICE: If you choose to use a pressure washer take care not to damage the buckler's finish by holding the nozzle excessively close to the machine or by focusing the spray onto the motor or controller. A distance of 3 feet or greater is recommended.

Pressure Washer Cleaning

1. Using a pressure washer, spray the bucking plates of the machine until they are clean and clear of debris.
2. From a distance of at least three feet, pressure wash the roller assembly from the back. Getting closer than three feet with the pressure washer nozzle may result in damage to the rollers. If nicking or marking is occurs on the rollers, increase distance from nozzle to rollers.

Hand Cleaning

1. Using warm/hot water, concentrated dish soap and a non-metallic dish scrubber, clean the buckler plate, rollers, and other machine components by hand.

CLEANING AND REASSEMBLY (CONT)

Re-assembly:

1. Verify motor is in the Off position and power cord is unplugged.
2. Install roller guard.
 1. Place roller guard on lower thumb screws on the bottom of the roller as assembly.
 2. Align holes on top of roller assembly and install thumb screws on top of roller assembly.

TAKING CARE OF UNEXPECTED PROBLEMS

ELECTRIC MOTORS WILL NOT START OR HAVE LOW POWER

POSSIBLE CAUSE	CORRECTION
Emergency Stop is Depressed	If emergency stop button has been activated follow the reset instruction on page 9.
No electric power from the outlet	Plug bucker into a functional electrical outlet.
Rollers experiencing excess friction	Rollers may be dirty or jammed. Clean roller assembly and check for jams.
Outlet is overloaded	Check that breaker is not overloaded and has not tripped. If tripped, switch plug to a different circuit.
Extension cord is faulty	Check that extension cord, if used, is rated appropriately for the distance and current. Do NOT use a longer cord unless the wire size is larger. Undersized extension cords may cause an under-voltage, over-current condition which could damage or destroy the drive motor and void the motor warranty.
Over-current circuit has been exceeded	Determine the cause of the excessive circuit resistance which may include: overloaded outlet, faulty extension cord, bad outlet, underrated generator, excessively dirty machine, incorrectly tensioned shear band or an obstruction between the drum or reel and another part of the machine. Once the source of the resistance has been identified and resolved, reset the circuit by pressing the small button on the control panel for 3 seconds then operate the machine normally.

MATERIAL OBSTRUCTION/JAMS IN MACHINE

POSSIBLE CAUSE	CORRECTION
Roller Wheels are slipping	Reverse roller speed direction and eject plant material. If this fails to correct the problem, turn off and unplug the machine. Pull down the roller handle to release tension on the rollers. Manually remove the plant material.
Material is not being pulled through machine.	Verify that the Roller handel is in the vertical position and that the roller wheels are engaged with one and other.

TAKING CARE OF UNEXPECTED PROBLEMS (cont)

BUCKING QUALITY HAS DECREASED

POSSIBLE CAUSE	CORRECTION
Rollers or bucking plates are excessively dirty	Clean rollers and bucking plates.

MACHINE MAKES A LOUD SCRAPING, CLICKING, OR THUMPING SOUND

POSSIBLE CAUSE	CORRECTION
Rollers or bucking plates are excessively dirty	Clean rollers and bucking plates.
Rollers have a flat spot	Rubber rollers can become flat over time if pressure is not released. If this occurs the rollers will make a thumping and slight banging sound. To correct run machine at a low speed until thumping dissipates. Do not buck any product until rollers have returned to round.

ROLLERS DO NOT PULL

POSSIBLE CAUSE	CORRECTION
Drum and Shear Band are excessively dirty	Clean Drum and Shear band; excessive plant material has built up on these surfaces and is causing excess friction.

CUSTOMER SERVICE

For all customer service inquiries or to help you diagnose any issues with your machine contact Trinator directly:

Phone: 530.265.4277

Email: info@thetriminator.com

Web: www.theTrinator.com

LIMITED WARRANTY

TRIMINATOR EQUIPMENT

This warranty is limited to the Trinator Trimming Machine distributed by Eteros, Las Vegas, Nevada. The following warranty applies to all Trinator products purchased directly or from retail outlets after January 1, 2013.

LENGTH OF WARRANTY

All Trinator products are covered under this warranty for a length of 12 months from the date of original purchase.

TO QUALIFY FOR THIS WARRANTY:

The product must be purchased in the United States, directly from Eteros or from a dealer authorized by Eteros to sell those products. This warranty applies to the first retail purchaser during the applicable warranty time period.

WHAT WILL BE REPAIRED OR REPLACED UNDER WARRANTY:

Eteros will repair or replace, at its option, any part that is proven to be defective in material or workmanship under normal use and proper maintenance as prescribed in this Manual during the applicable warranty time period. Warranty repairs and replacements will be made without charge for parts or labor. Any part replaced under warranty becomes the property of Eteros. All new parts replaced under warranty will be considered as part of the original product, and any warranty on those parts will expire coincident with the original product warranty.

TO OBTAIN WARRANTY SERVICE:

You must call Trinator/Eteros to discuss the warranty issue.

Phone: 530.265.4277

Following the qualifying phone conversation Eteros may direct you to do one of the following:

At your expense, take the Trinator product, part to be replaced, or the equipment on which the part to be replaced is installed, and a proof of purchase to the Trinator dealer from whom you originally purchased the product, during the dealer's normal business hours.

Alternatively, Eteros may direct you in writing (email) to deliver your product to a different location at a distance less than or equal to the distance from your current location to the dealer from which you originally purchased the product.

LIMITED WARRANTY (CONT)

EXCLUSIONS FROM WARRANTY COVERAGE

The following items and conditions are excluded from warranty coverage:

1. Any damage or deterioration resulting from the following:
 - Neglect of the periodic maintenance as specified in this manual.
 - Improper repair or maintenance.
 - The use of non-genuine Triminators parts and/or products other than those approved by Eteros.
 - Exposure of the product to chemical agents, sea water, sea breeze, salt or other damaging environmental phenomena.
 - Collision, deterioration, neglect, unauthorized alteration, misuse, incorporation or use of unsuitable attachments, products or parts.
 - Natural wear and tear (natural fading of painted or plated surfaces, sheet peeling and other natural deterioration).
2. Consumable parts: Eteros does not warrant parts that deteriorate due to natural wear and tear.
3. Cleaning, adjustment, and normal periodic maintenance work (lubrication, blade sharpening, belt adjustments).
4. Any product that has ever been declared a total loss or sold for salvage by a financial institution or insurer.

DISCLAIMER OF CONSEQUENTIAL DAMAGE AND LIMITATION OF IMPLIED WARRANTIES:

Eteros disclaims any responsibility for loss of time or use of the product, transportation costs, commercial loss, or any other incidental or consequential damage. Any implied warranties are limited to the duration of this written limited warranty. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

