

# *batchONE*



USER MANUAL

PN: 21-10097A\_REV04



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# IMPORTANT SAFETY INFORMATION

This manual is for the Twister BatchOne Dry Trimming Machine. In this manual, the BatchOne Dry Trimming Machine will simply be referred to as the BatchOne. It is important to save this manual for future reference.

The BatchOne is a high-power machine requiring special safety precautions to be practiced during operation to reduce the risk of personal injury. Please read this manual including all important safety information, danger, warning, and caution signs before using the BatchOne.

Keirton Inc® is continually improving all of its products. As a result, engineering changes are sometimes made. If operation or appearances differ from this manual, please contact Keirton technical support for assistance (for contact details, see page 27).

## General Safety Information

- Do not move, disassemble, clean, or inspect the BatchOne while power is connected to the machine.
- Ensure caster brakes are locked before connecting power to the BatchOne.
- Do not connect the BatchOne to power without all guards attached\* (see Fig. 1).
- The BatchOne tumbler is large and heavy. Never lift alone, and always use proper lifting technique.
- Substituting factory parts with third-party parts may result in bodily harm or damage to the BatchOne.
- Do not remove safety labels from the machine. **Replace any safety labels if they become damaged or obscured.**

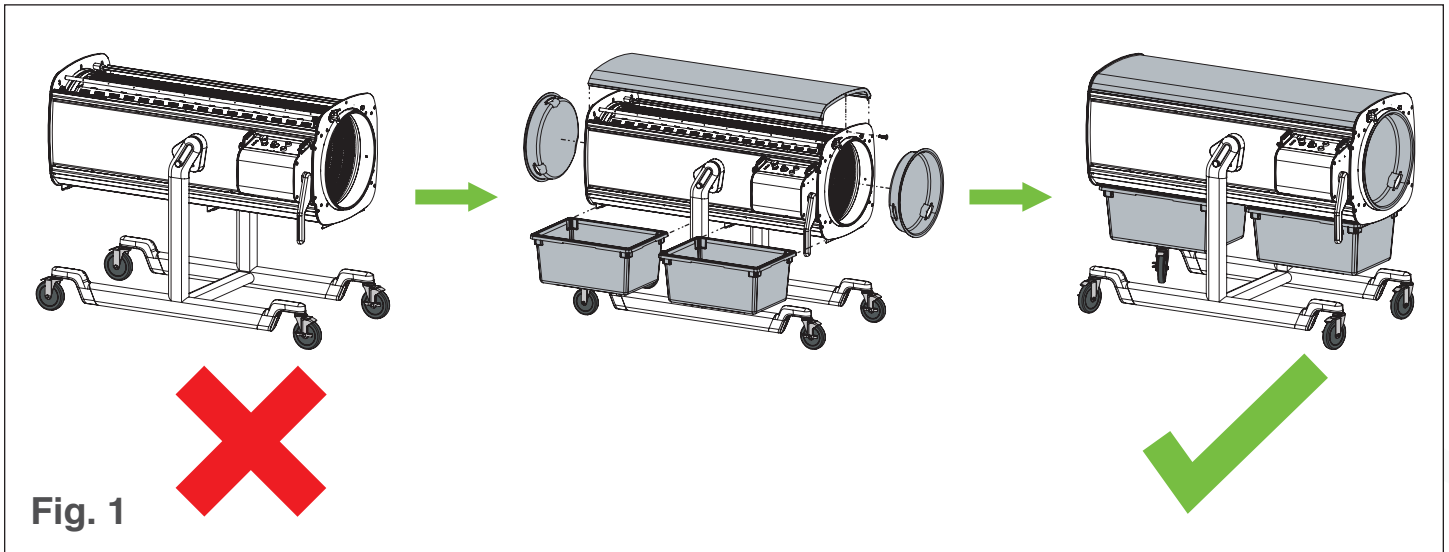
*\*The only times it is acceptable to have a guard unattached while the machine is connected to power is during the loading and unloading stages of operation—at which time it is necessary to remove a tumbler cap.*



## DANGER

**CARELESS USE OF THE BATCHONE OR OPERATING IT WITHOUT READING THE INSTRUCTIONS AND ACCOMPANYING DANGER, WARNING, AND CAUTION NOTICES MAY RESULT IN SERIOUS OR FATAL INJURY.**

# IMPORTANT SAFETY INFORMATION



## Connection Safety Information

- The BatchOne must be used in connection with a properly grounded receptacle.
- Do not use extension cords lower than 14 gauge to power the BatchOne.
- Do not use extension cords longer than 25ft (7.5m) in length to power the BatchOne.
- To power down the BatchOne, switch off the machine via the control box before switching it off at or unplugging the power supply.

## Operation Safety Information

- Do not operate the BatchOne while tired or under the influence of drugs, alcohol, or medications.
- Never operate the BatchOne around children.
- Do not place any body parts in the BatchOne while it is running.
- **Only place plant matter in the BatchOne.** Do not put foreign objects in the BatchOne.
- Doing so may cause bodily harm or damage to the machine.
- The BatchOne is intended for use on legal aromatic herbs and hops. Please check all

# IMPORTANT SAFETY INFORMATION

municipal, provincial/state, and federal laws and regulations before using the BatchOne. Keirton Inc. does not promote or condone the use of the BatchOne in any way that may be deemed illegal.

## Maintenance Safety Information

- Conduct regular maintenance of the BatchOne.
- Ensure the BatchOne is powered off and the machine is unplugged before conducting any maintenance, repairs, or cleaning. **Never conduct maintenance, repairs, or cleaning while the BatchOne is plugged in.**
- Wear proper personal protective equipment when cleaning the BatchOne.
- Replacement parts are specific to the BatchOne and must be purchased from an authorized dealer only. Failure to comply may cause bodily harm and/or damage to the machine.
- **Control box is not waterproof!** Always remove control box before cleaning the BatchOne.

# MACHINE OVERVIEW

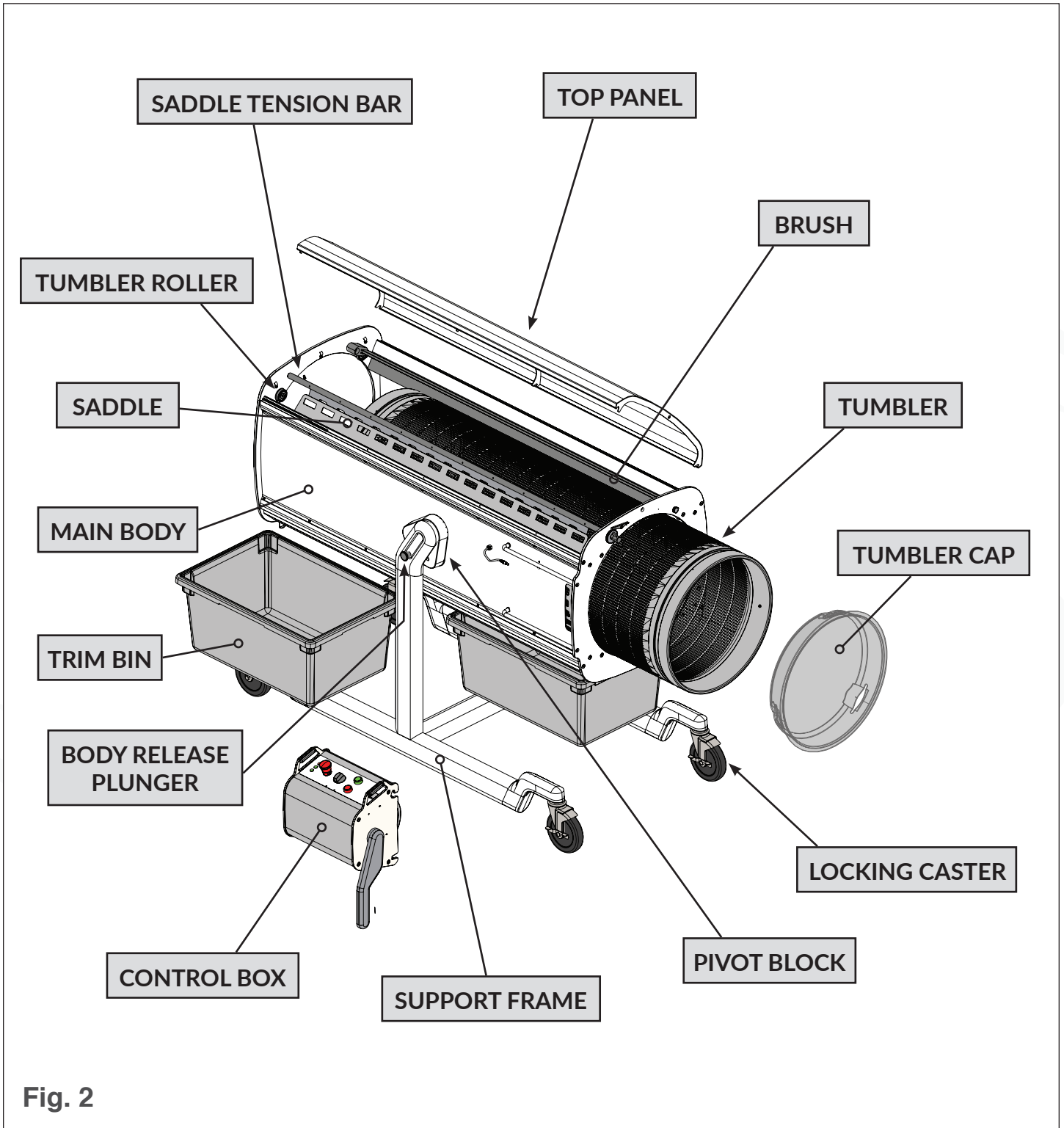
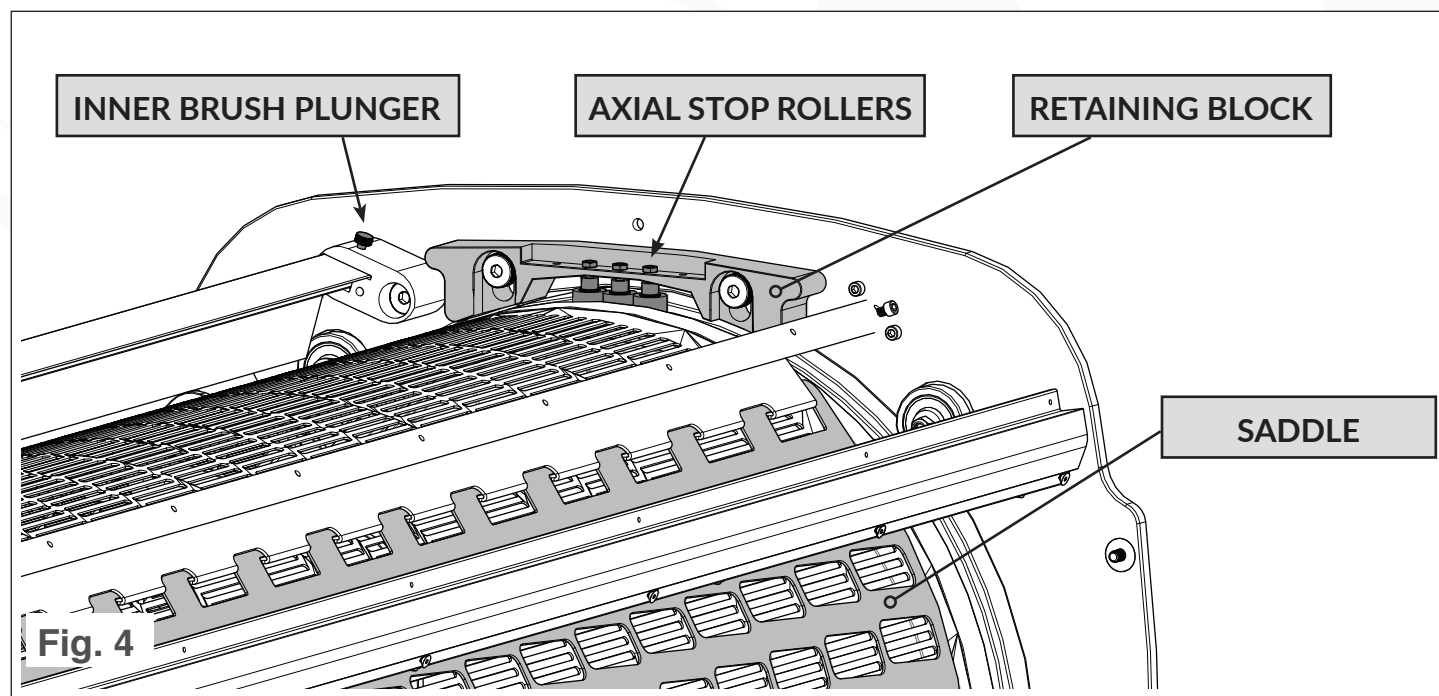
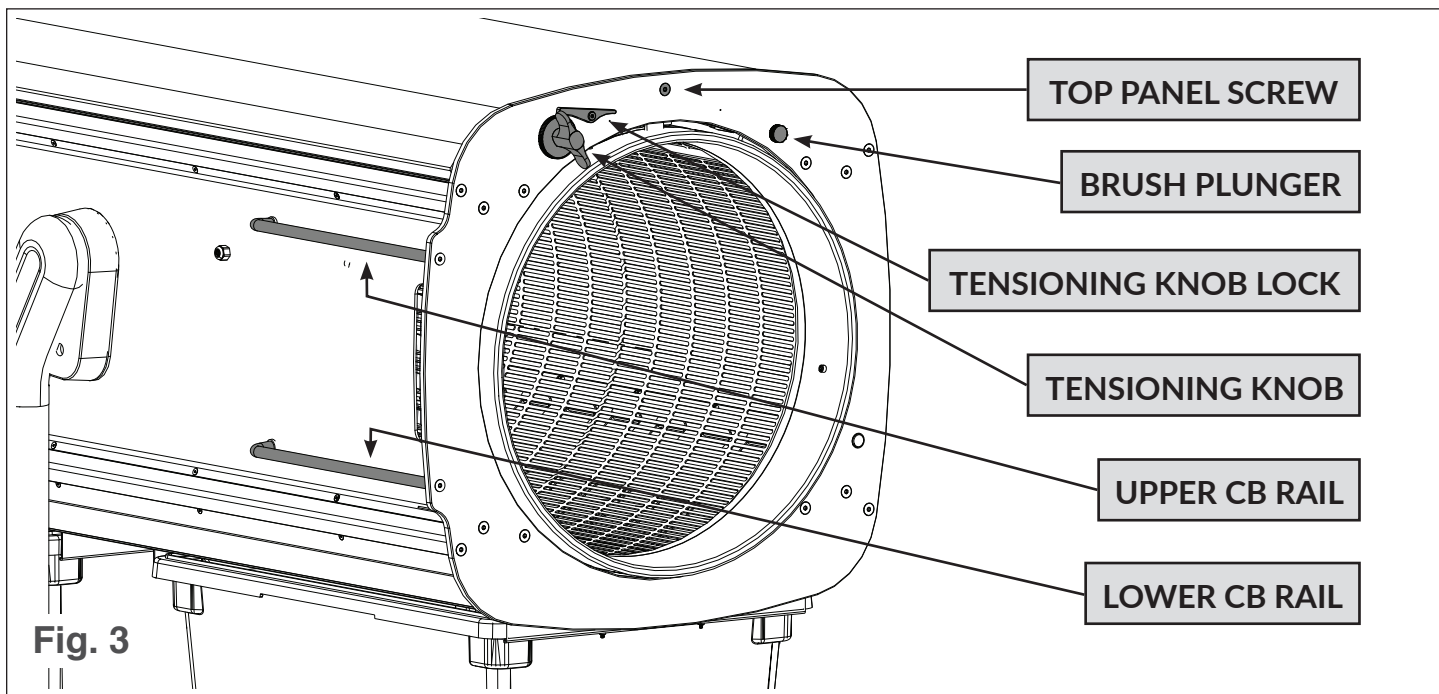


Fig. 2

# MACHINE OVERVIEW





# CONTROL BOX OVERVIEW

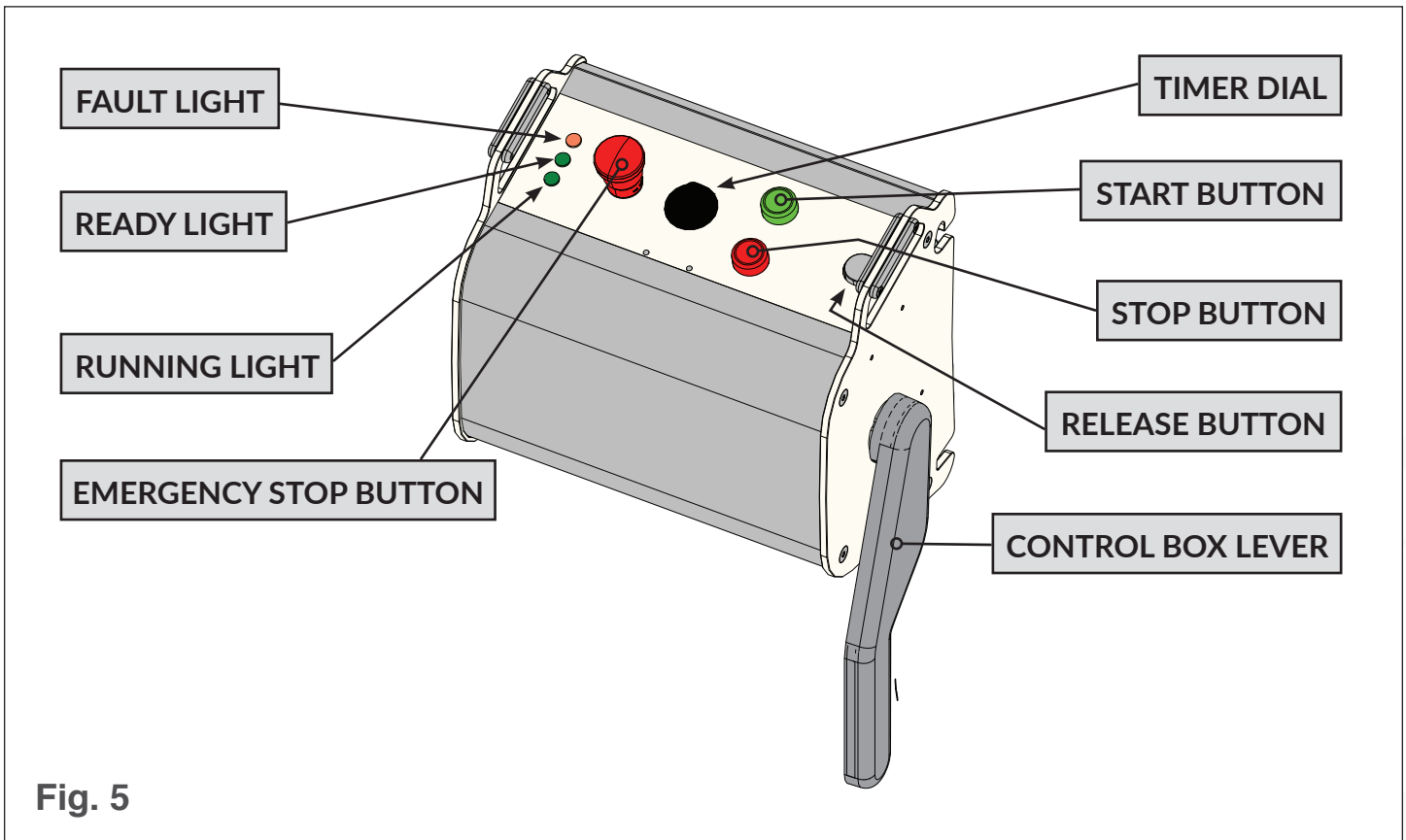


Fig. 5

Feature	Function
<b>Control Box Lever</b>	Lock to connect the control box to the main body.
<b>Emergency Stop Button</b>	Press to stop in an emergency.
<b>Fault Light</b>	Turns on after the emergency stop is pressed, if the control box lever is unlocked, or if the motor is too hot.
<b>Ready Light</b>	Turns on when the machine is on but not trimming.
<b>Release Button</b>	Unlocks the control box lever.
<b>Running Light</b>	Turns on when the machine is on and trimming.
<b>Start Button</b>	Press to start trimming.
<b>Stop Button</b>	Press to stop trimming for non-emergency reasons.
<b>Timer Dial</b>	Twist to set a trimming time.

# CONTROL BOX OVERVIEW

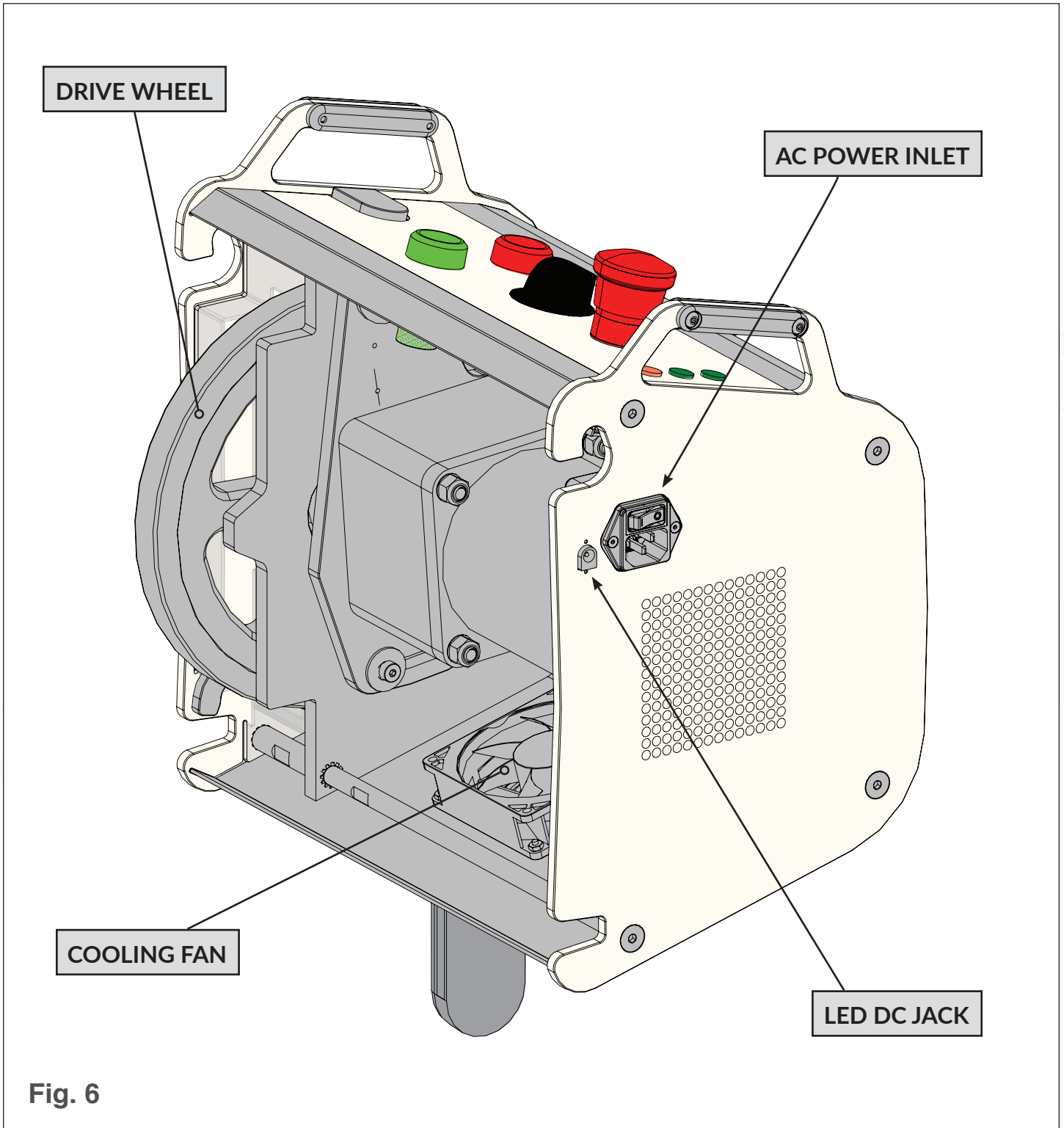


Fig. 6

## Step 1: Take the BatchOne Off the Crate

1. Remove strapping supporting the BatchOne.
2. Use a forklift or two people to lift the BatchOne off crate.

## Step 2: Secure Placement

1. Wheel the BatchOne to where it will operate (for best placement practices, see **Recommended Placement**).
2. Lock the casters.

## Step 3: Connect Control Box

1. If the control box lever is in the locked position, press the release button, and



## WARNING

**THE BATCHONE IS HEAVY. USE AT LEAST TWO PEOPLE TO LIFT.**



## WARNING

**THE BATCHONE MUST BE PLACED ON LEVEL GROUND. THE LOCKING CASTERS ARE NOT DESIGNED TO SUPPORT THE BATCHONE ON ANY KIND OF SLOPE.**

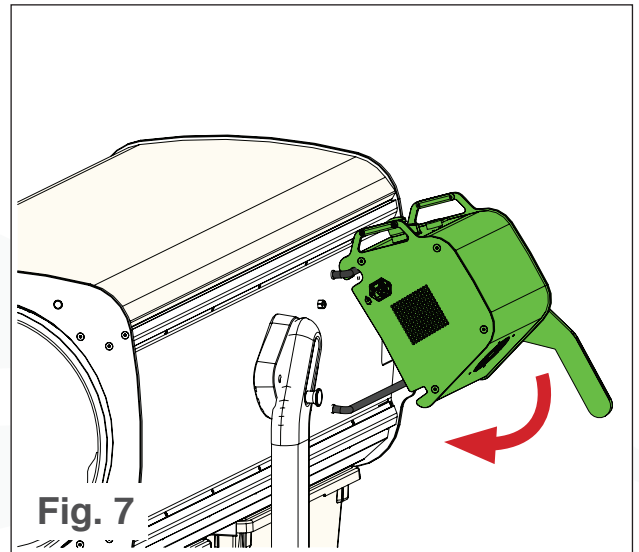
## RECOMMENDED PLACEMENT

For the best and safest operation, place the BatchOne:

- On level ground
- Near an outlet
- Indoors in a dry place
- With enough space to pivot the main body, attach and remove trim bins, and easily access the control panel and both ends of the tumbler.

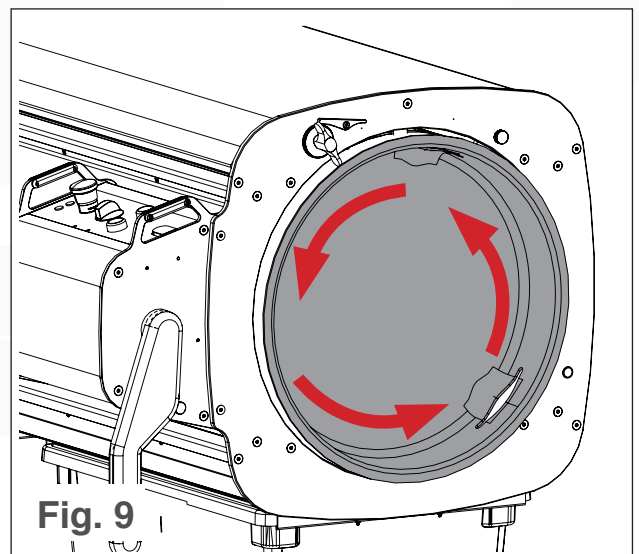
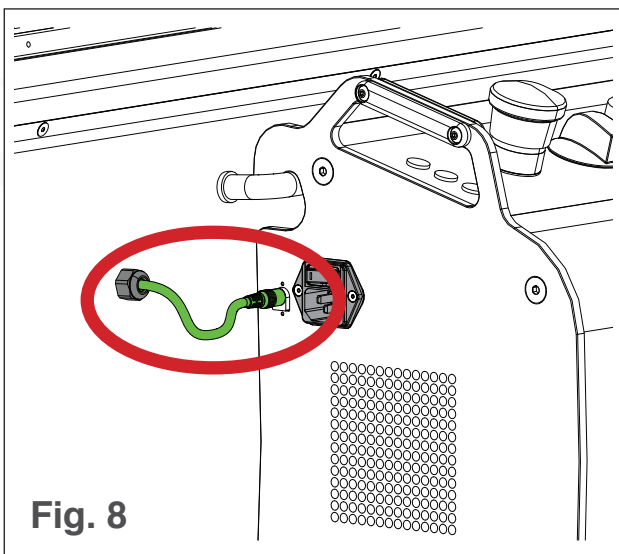
# INITIAL SETUP

- rotate the lever upwards.
2. Secure the control box hooks on the upper control box rail (see Fig. 7).
3. Ensure the control box slots are flush against the lower control box rail (see Fig. 7).
4. Press the release button and rotate the lever downwards into the locked position.
5. Connect the LED power plug to the LED DC Jack (see Fig. 8).



## Step 4: Connect Tumbler Caps and Trim Bins

1. Push the tumbler caps into the tumbler openings, and twist to lock (see Fig. 9).
2. Slide the trim bins into the rails beneath the main body until the bins lock into place.



## Step 1: Power On

1. Connect the power plug to the AC power inlet on the control box.
2. Connect the opposite end of the power plug to a socket (see **Current and Input Voltage** in **Specifications** on page 25/26).
3. Press the power switch above the AC power inlet on the control box (see Fig. 10).

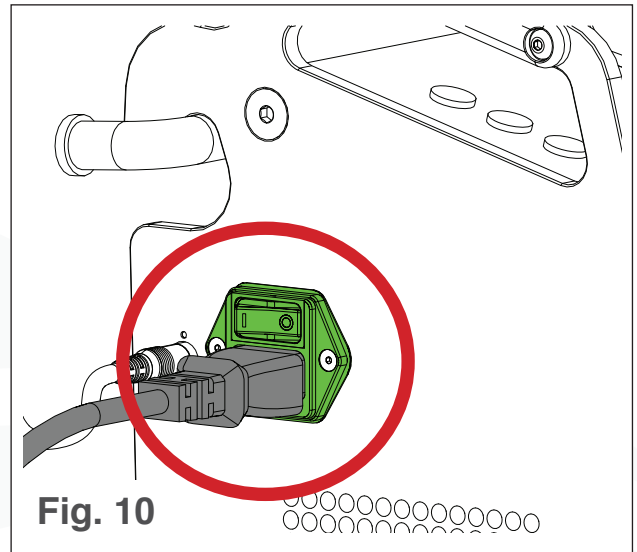


Fig. 10

## Step 2: Load Machine

1. Support the main body in a stable position so that when you pull out the body release plunger, the BatchOne does not tilt too quickly.
2. Pull out the body release plunger (see Fig. 11).
3. Tilt the machine carefully into one of the two loading tilt positions (see Fig. 12).
4. Release the plunger to lock the main body in the loading tilt position.



## WARNING

**HOLD THE MAIN BODY SECURE.  
IF THE MAIN BODY IS NOT  
SECURE WHEN THE PLUNGER IS  
PULLED, THE BATCHONE WILL  
TILT TOO QUICKLY CAUSING  
DAMAGE TO THE MACHINE AND/  
OR BODILY HARM.**

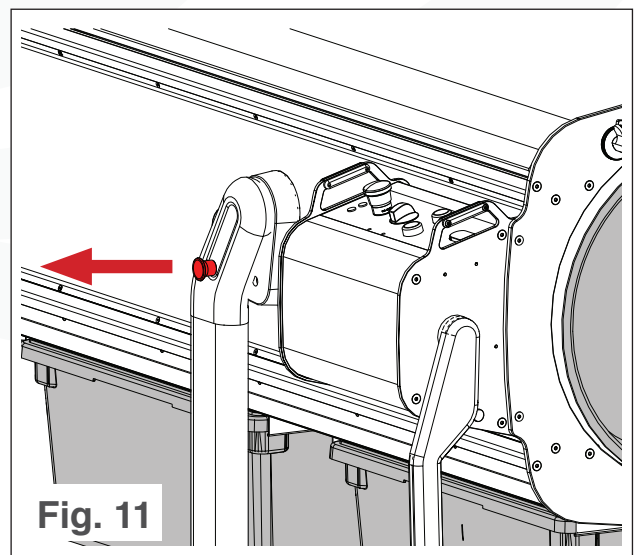
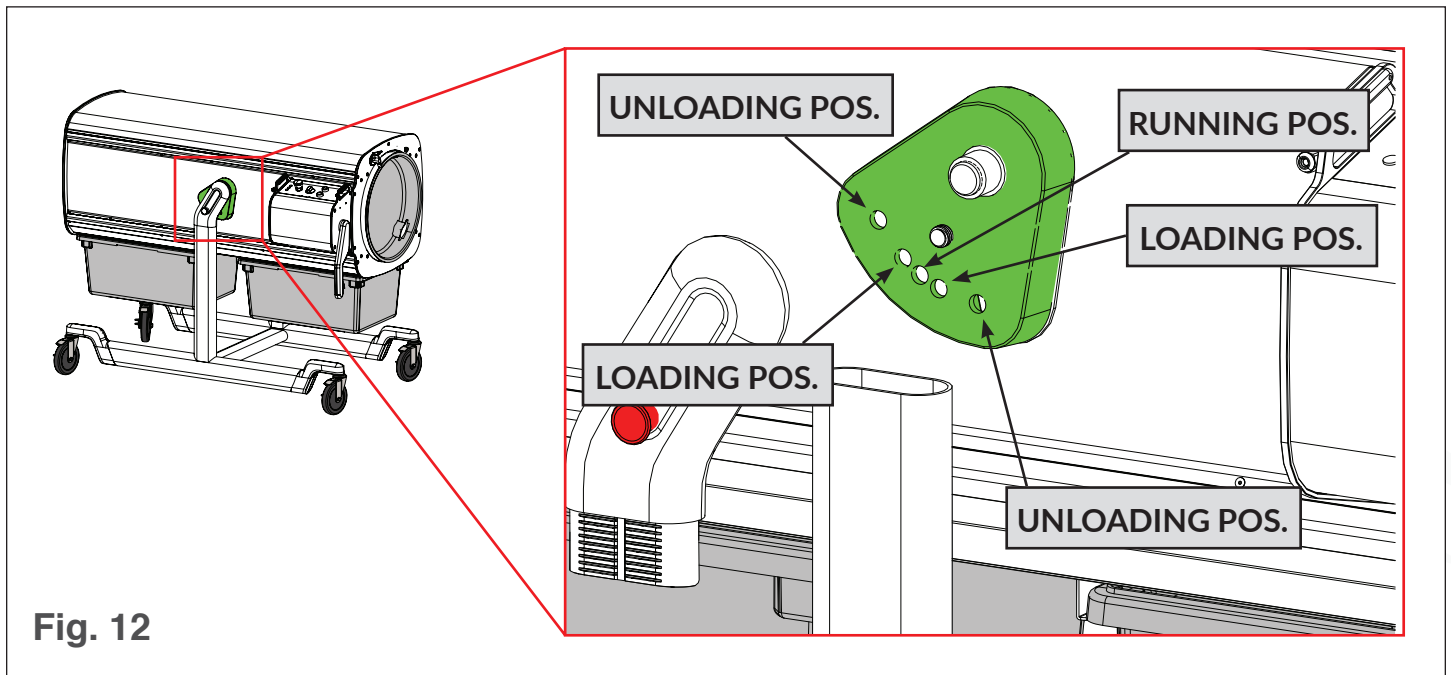


Fig. 11



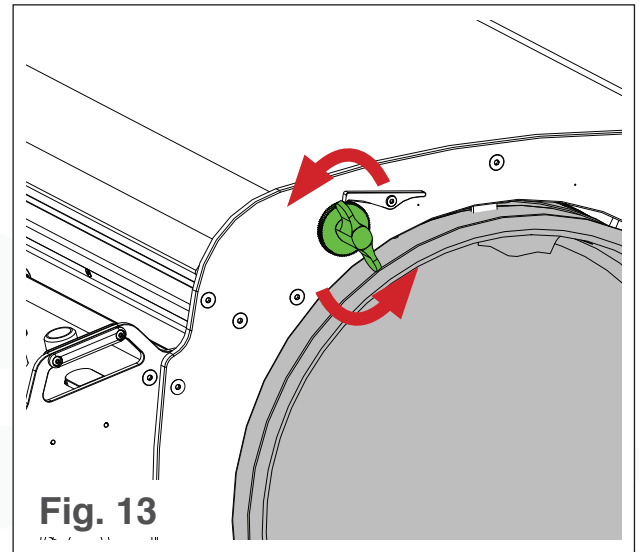
5. Twist and then pull out the raised tumbler cap.
6. Load the tumbler with product (see **Recommended Product Load**).
7. Reattach the tumbler cap.
8. Support the main body in a stable position.
9. Pull the plunger, and return the machine to a horizontal position.
10. Release the plunger to lock.

## RECOMMENDED PRODUCT LOAD

The recommended amount of product to load is between  $\frac{1}{2}$  and  $\frac{2}{3}$  of the tumbler. Loading product outside of this range may result in a lower quality trim.

### Step 3: Set Trimming Adjustments and Start

1. Adjust the saddle to the desired trimming closeness by rotating the tensioning knob (see Fig 13).
2. Either twist the timer knob to the right to the desired trimming time\* (see **Recommended Trimming Time**) or twist timer knob to the left to allow the BatchOne to operate continuously.
3. Press the green start button and leave the BatchOne to trim.



## RECOMMENDED TRIMMING TIME

Every strain is different in density; every batch's relative humidity is unique; and individual loads may vary in quantity, creating different trimming times. However, from our testing, we recommend trimming between 8-10% RH, with 15-20lbs of product, for 10-15 minutes.

### Step 4: Unload Machine

1. When the tumbler has stopped spinning, remove one of the tumbler caps.
2. Place a container below the open end of the tumbler to collect the trimmed product.
3. Support the main body in a stable position so that when you pull out body release plunger, the BatchOne does not tilt too quickly.

# OPERATION

4. Pull out the body release plunger.
5. Tilt the machine carefully into one of two unloading tilt positions (see Figure 12 on page 12) so that the open end of the tumbler is closest to the ground.
6. Twist the timer to the left, and press the start button to aid movement of trimmed product.
7. Press the stop button once product stops exiting the tumbler.
8. Turn off the BatchOne and disconnect it from power.
9. Remove any remaining product with a long brush.
10. Return the BatchOne to its horizontal position.
11. Remove the trim bins and empty them.
12. Reconnect the trim bins to the BatchOne.



## **WARNING**

**HOLD THE MAIN BODY SECURE.  
IF THE MAIN BODY IS NOT  
SECURE WHEN THE PLUNGER IS  
PULLED, THE BATCHONE WILL  
TILT TOO QUICKLY CAUSING  
DAMAGE TO THE MACHINE AND/  
OR BODILY HARM.**



The BatchOne has been designed and manufactured for optimal performance. However, to maintain high performance levels, regular inspection and cleaning of the machine is necessary.

## Inspection

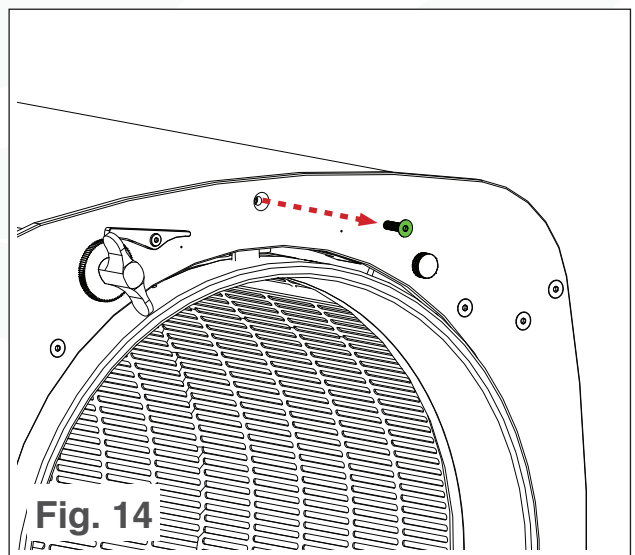
Conduct the following inspections on a monthly basis:

- Inspect for signs of wear or damage on the:
  - Axial Stop Rollers
  - Tumbler Brush
  - Drive wheel
  - Saddle
  - Static Dissipating Brush
  - Tumbler
  - Tumbler rollers
- Listen to whether or not the cooling fan in the control box is turning when the machine is running. It should be turning.

## Flip Up or Remove the Brush

The brush needs to be flipped up or taken out to remove the tumbler and clean the BatchOne. To flip up or remove the brush:

1. Remove the screw securing the top panel to the main body (see Fig. 14).



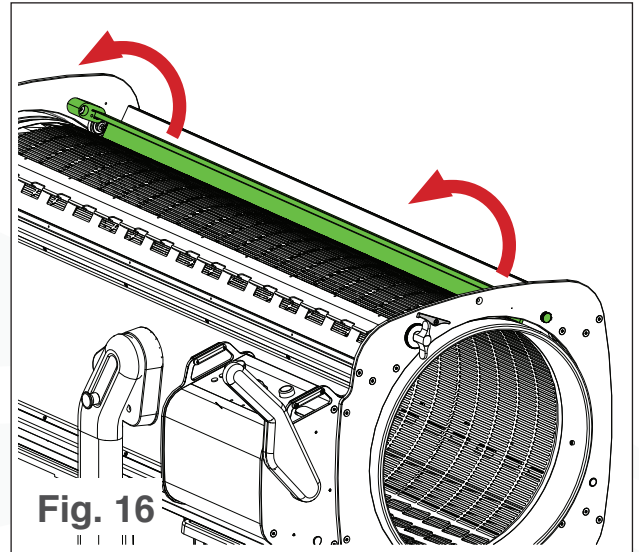
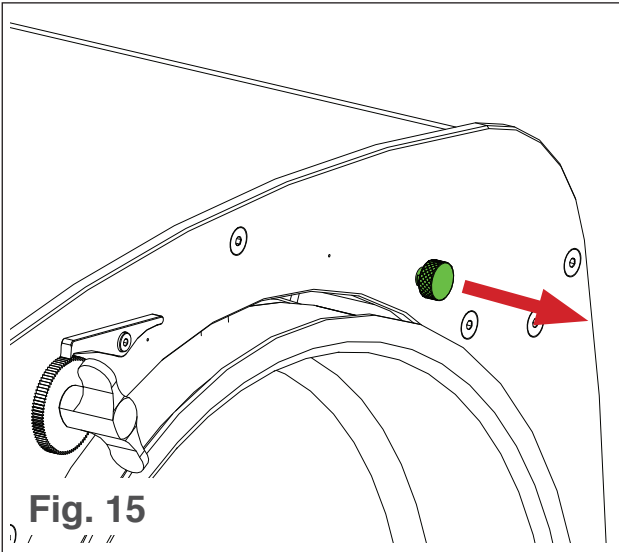
## DANGER

**UNLESS OTHERWISE STATED,  
DO NOT CONDUCT ANY  
INSPECTIONS, DISASSEMBLY, OR  
CLEANING WHILE THE BATCHONE  
IS CONNECTED TO POWER.**



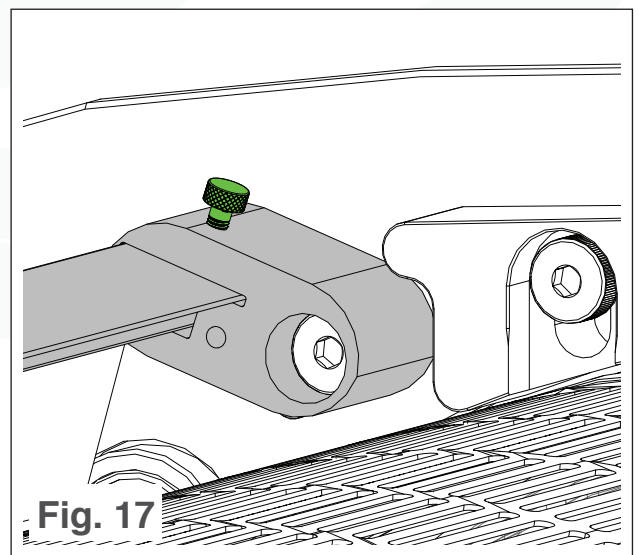
## WARNING

**DO NOT TAMPER WITH THE  
CONTROL BOX. ANY SIGNS OF  
TAMPERING WILL VOID THE  
WARRANTY.**



2. Pull out the brush plungers from both ends of the machine (see Fig. 15 – only one pictured).
3. With plungers pulled out, rotate the brush up (see Fig. 16).
4. Release both brush plungers.
5. If flipping up the brush, let go of the brush. The brush will now sit on top of the plungers. If removing the brush:
  - a. Pull the small plungers on top of the block (see Fig. 17).
  - b. Slide the brush to release one end.
  - c. Pull the released end out.
  - d. Slide the brush in the opposite direction to release the other end.

To reattach and reengage the brush, follow these steps in reverse.



## Remove the Tumbler

The tumbler needs to be removed for inspection, cleaning, and replacing the saddle. To remove the tumbler from main body of the BatchOne:

1. Ensure the BatchOne is in the horizontal position (see the warning sign below).
2. Remove both tumbler caps.
3. Remove the screw securing the top panel to the main body (see Fig. 14).
4. Lift the top panel off the machine.
5. Remove the control box. To remove the control box:
  - a. Press the release button on the control box.
  - b. Rotate the control box upwards.
  - c. Lift the control box hooks off the upper rail.
6. Flip up the brush.
7. Raise the locking mechanism on the tensioning knob (see Fig. 18).
8. Rotate the tensioning knob to disengage the saddle.
9. Lift the retaining block by placing fingers on either side of it and lifting (see Fig. 19).

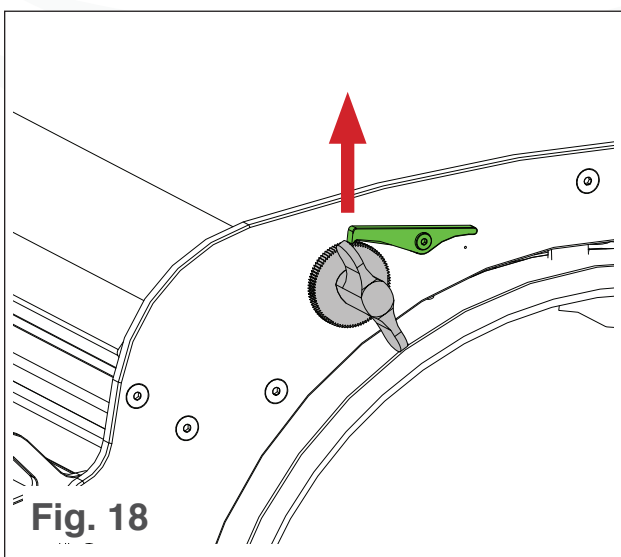


Fig. 18



## WARNING

**IF THIS PROCEDURE IS COMPLETED WITH THE BATCHONE IN A TILT SETTING, THE TUMBLER MAY FALL OUT CAUSING DAMAGE TO THE COMPONENT AND BODILY HARM.**

# MAINTENANCE

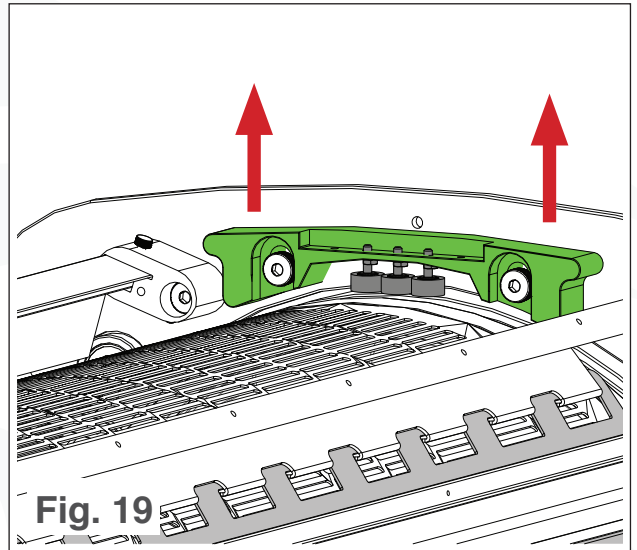
10. Slightly lift the tumbler to avoid the rollers being stuck in the end grooves.
11. Slide out the tumbler.

To put the tumbler back in place, follow these steps in reverse.



## WARNING

THE TUMBLER IS HEAVY. USE AT  
LEAST TWO PEOPLE TO LIFT.



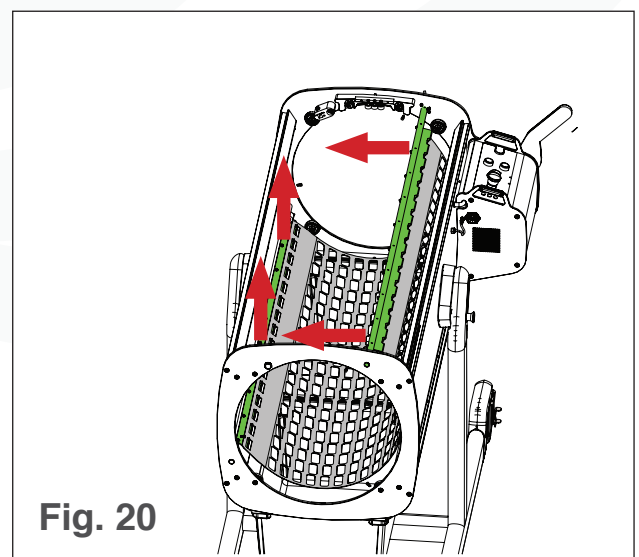
The BatchOne should be cleaned on a daily basis and in-between trimmings of different strains. To clean the BatchOne:

1. Remove the control box. To remove the control box:
  - a. Press the release button on the control box.
  - b. Rotate the control box upwards.
  - c. Lift the control box hooks off the upper rail.
2. Remove the trim bins.
3. Remove the tumbler caps.
4. Remove the top panel by removing the screw securing the top panel to the main body and lifting.
5. Remove the tumbler (see **Remove the Tumbler** on page 17).
6. Remove the saddle. To remove the saddle:
  - a. Pull the saddle off the upper hooks (see Fig. 20).
  - b. Pull the saddle off the lower hooks (see Fig. 20).
7. Remove baffles. To remove baffles:
  - a. Slide the baffle so that one end is no longer under the baffle guide (see Fig. 21).
  - b. Pull out the free end.
  - c. Slide back in the opposite



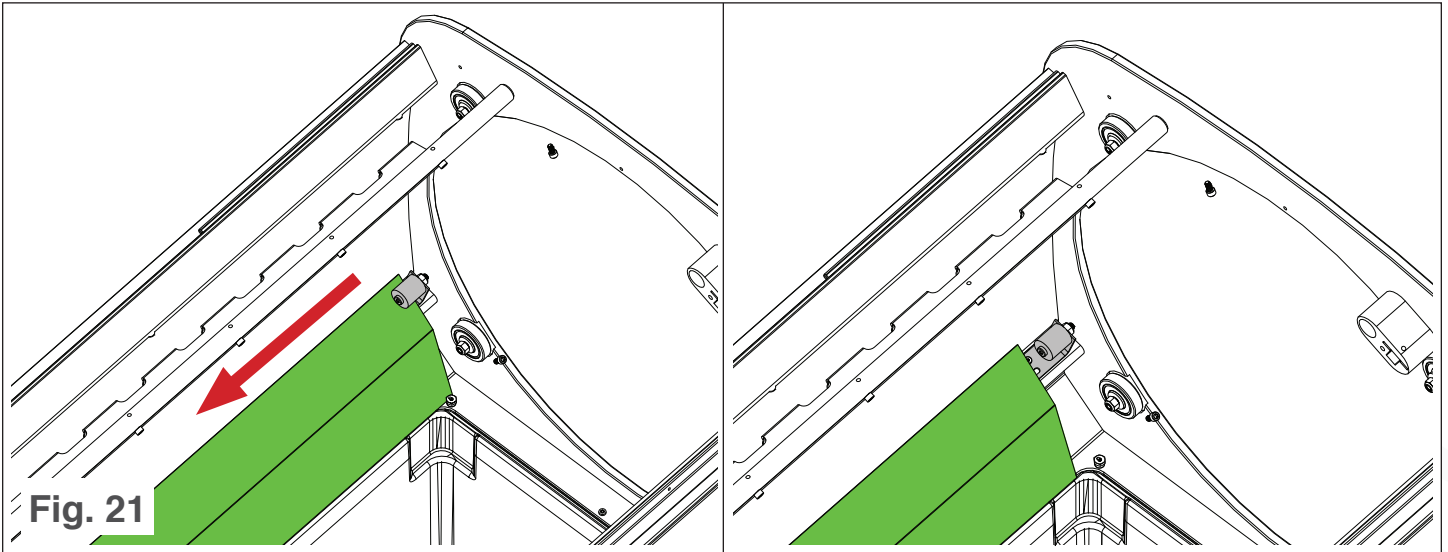
## DANGER

**TO AVOID ELECTRIC SHOCK,  
AVOID CLEANING WHILE THE  
BATCHONE IS CONNECTED TO  
POWER.**



**Fig. 20**

# CLEANING



direction so that other end of the baffle is no longer under the baffle guide.

- d. Pull out the other end.
8. Remove any large, easy-to-remove pieces of product from all components.
9. Spray all components, except for the control box, with a foaming detergent\*. Do not get the control box wet.
10. Allow the detergent to sit for five minutes.
11. Repeat steps 9 and 10 as necessary.
12. Pressure wash all components except for the control box.
13. Dry all components with compressed air.
14. Spray all components with isopropyl alcohol or another sanitizer.
15. Allow the sanitizer to dry.
16. Reassemble the BatchOne by following steps 1-7 in reverse.

\*It is recommended to use the Twister Foam Cannon to most easily spray detergents (PN: 25-0024).



## DANGER

TO AVOID ELECTRIC SHOCK, DO NOT GET THE CONTROL BOX WET.



## Tumbler is Not Moving Despite Drive Wheel Moving

This may occur for two reasons:

- There is not enough traction between drive wheel and tumbler.
- The saddle tension is too tight.

### If there is not enough traction:

- Clean both the tumbler and the drive wheel.

### If the saddle tension is too tight:

- Loosen the tensioning knob one notch.

## Machine Won't Run

This may occur if the fault light is on. The BatchOne cannot run if the fault light is on. The fault light goes on when:

- The E-STOP button has been pressed.
- The control box lever is not in the locked position.
- The motor is too hot.

### If the fault light is on:

1. Ensure the E-STOP button is not pushed in by pulling it out.
2. Ensure the control box lever is in the locked position—if not, lock it.
3. Allow the machine to cool down.

# WARRANTY INFORMATION

Keirton will repair or replace any parts proven defective in material or workmanship without charge for a period of one year.

The warranty period will begin on the date the machine is purchased by the initial purchaser. The BatchOne warranty defects can be remedied at any authorized service dealer or directly by Keirton. Any original parts deemed to be defective will be replaced free of charge. Keirton reserves the right to use any manufacturer approved replacement parts for warranty repair.

If warranty repair is required, please contact Keirton at **1-888-254-3204** or **support@keirton.com** and provide the following information:

- Model and serial number
- Proof of purchase date
- Copy of the original Warranty Registration Card (unless registration was completed online)
- Details of the defect or problem (including photos and/or video).

Pending approval from Keirton, the machine or defective part must then be returned to Keirton for analysis and replacement. **Do not return the machine to the place of purchase for repair or warranty claims unless you have been authorized by Keirton to do so.** The place of purchase can only sell replacement parts and will not repair warranty issues unless it is noted as an authorized repair dealer and has been authorized to work on your machine.

You may be denied warranty coverage if your machine has failed due to:

- Abuse
- Accidental damage
- Improper maintenance
- Improper electrical connection
- Neglect



## WARRANTY INFORMATION

- Normal wear
- Unapproved modifications including the use of unapproved replacement parts.

Keirton assumes no risk and shall be subject to no liability for damages or loss resulting from the specific use or application made of the product. In no event will Keirton be liable for any special, incidental, or consequential damages (including loss of use, loss of profit, and claims of third parties) however caused, whether by negligence of the manufacturer or otherwise. If you have any questions regarding your warranty rights and responsibilities, please contact Keirton.

The BatchOne is intended for use on legal aromatic herbs and hops. Please check all municipal, provincial/state, and federal laws and regulations before using the BatchOne. Keirton does not promote or condone the use of the BatchOne in any way that may be deemed illegal.

Allow only persons who understand this manual to operate the BatchOne. Keirton claims no liability for any damage or injury that results from the use of the BatchOne by persons who have not read and understood the cautions, warnings, and danger notices contained in this manual or through any misuse of the BatchOne. You are responsible for your safety while operating this machine. **Please keep yourself safe!**

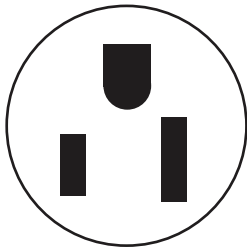
# REPLACEMENT PARTS

Item	Product Number
Axial Stop Roller	19-10010
Brush	11-10293A
Power Cord (North America)	15-01-000286
Power Cord (Europe)	15-01-000424
Saddle	17-10071A
Trim Bin	14-10067
Trim Bin Lid	14-10108
Tumbler	24-10040A
Tumbler Cap	17-10072A
Tumbler Roller	17-10084

## North American Specifications

<b>Product Number</b>	02-10007A
<b>Height</b>	48"/121.9cm
<b>Length</b>	63"/160cm
<b>Width with Control Box</b>	34"/86.4cm
<b>Width without Control Box</b>	31"/78.7cm
<b>Tumbler Diameter</b>	19.5"/49.5cm
<b>Circuit Breaker Required</b>	15A, 120V
<b>Connector Plug</b>	NEMA 5-15P (see Fig. 22)
<b>Current (Amps)</b>	2.4A
<b>Input Voltage</b>	120V, 60Hz
<b>Tumbler Motor</b>	¼HP/200W
<b>Tumbler Speed</b>	21RPM

**NEMA  
5-15P**



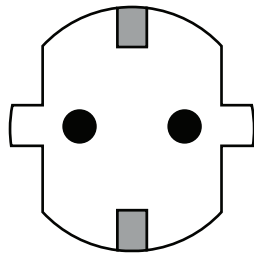
**Fig. 22**

# SPECIFICATIONS

## European Specifications

<b>Product Number</b>	02-10029A
<b>Height</b>	48"/121.9cm
<b>Length</b>	63"/160cm
<b>Width with Control Box</b>	34"/86.4cm
<b>Width without Control Box</b>	31"/78.7cm
<b>Tumbler Diameter</b>	19.5"/49.5cm
<b>Circuit Breaker Required</b>	16A, 240V
<b>Connector Plug</b>	CEE 7/7 (see Fig. 23)
<b>Current (Amps)</b>	1.2A
<b>Input Voltage</b>	240V, 50Hz
<b>Tumbler Motor</b>	¼HP/200W
<b>Tumbler Speed</b>	21RPM

**CEE  
7/7**



**Fig. 23**

Keirton technical support is available between 7 a.m. and 7 p.m. Pacific Standard Time seven days a week at:

- **1-888-254-3204**
- **support@keirton.com**



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