

stm 

# ROCKETBOX™

USER MANUAL



# ROCKETBOX™

## USER MANUAL



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▶ View Training Videos at: [bit.ly/rocketbox-training](https://bit.ly/rocketbox-training)

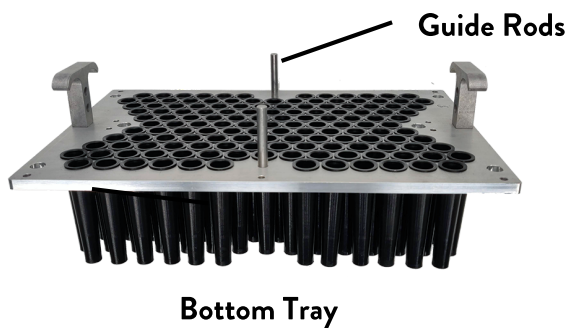
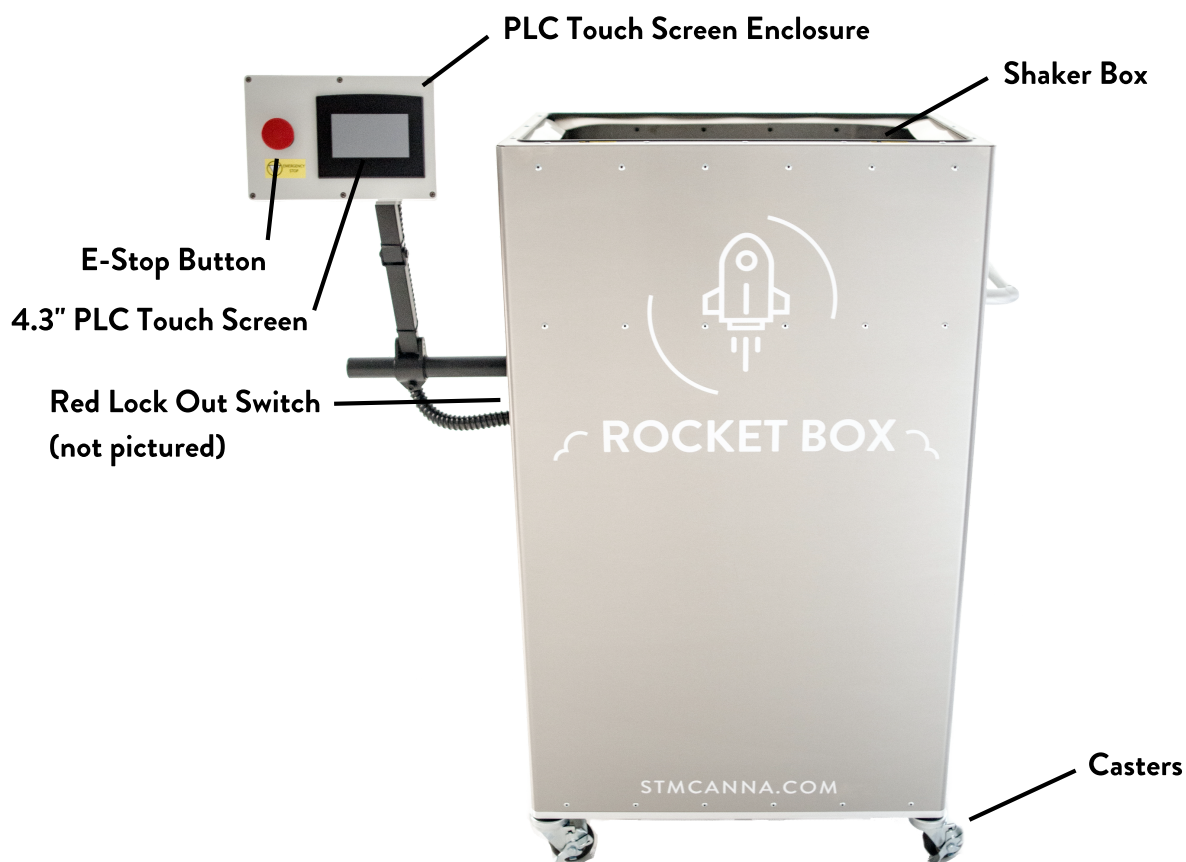
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# COMPONENTS

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▶ Video: Rocketbox Components - [bit.ly/rocketbox-components](https://bit.ly/rocketbox-components)

stm  **ROCKETBOX™**

**TECHNICAL SPECIFICATIONS**

<b>MATERIALS</b>	Encased in SAE 304 Stainless Steel Heavy Duty Caster Wheels (for transport) Aluminum & Other Food Grade Components
<b>LIFE CYCLE</b>	10 Years
<b>POWER</b>	Standard 110V   8 Full Load Amps   5-1/2 ft. Cord Length
<b>COMPLIANCE</b>	OSHA Compliant UL-Listed Components 100% Food-Grade Emergency Stop Button
<b>WEIGHT &amp; DIMENSIONS</b>	Approximately 350 lbs Machine Dimensions 17" L x 48" H x 40" W
<b>PAPER COMPATIBILITY</b>	Compatible with with 84mm, 98mm, and 109mm cones.
<b>VOLUME CAPACITY</b>	453 Pre-Rolls per Cycle
<b>SOFTWARE &amp; UPGRADES</b>	Ergonomic 4.3" Resistive Touch Control Panel With STM Upgradable System Software
<b>OPERATION</b>	Patent-Pending Pneumatic Leveling System (Cones remain suspended in air inside machine as to not damage of bend the filters)
<b>CYCLE CUSTOMIZATION</b>	3 Customizable Stages Per Cycle 1. Filling - 2. Packing - 3. Final Pack/Dampening (All settings are 100% adjustable: Motor power, PSI, and Timing)
<b>PROFILES &amp; PRESETS</b>	Manual Mode or 10+ Customizable Presets

# GETTING STARTED

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## **PREPARING YOUR WORK AREA**

The space needed for pre-roll production varies based on volume needed. See Technical Specifications (page 3) for power requirements and other details.

## **RECOMMENDED AREAS FOR A SMOOTH WORKFLOW**

- Grinding Area - for prepping material going into the Rocketbox™
- Loading Area - dedicated to loading cones into empty bottom trays
- Rocketbox Area - for trained person(s) to operate the Rocketbox™
- Closing/Packing Area - dedicated to the final process of closing and packaging cones

## **SUGGESTED TOOLS & ACCESSORIES**

- ✓ Scoop for placing material on machine to begin cycle
- ✓ Food-grade stainless steel tables
- ✓ One-gallon shop vac (or small vacuum)
- ✓ Collection Bin for holding the top tray after taking out of machine
- ✓ Scale to use for testing
- ✓ Isopropyl alcohol spray bottle for cleaning
- ✓ Sheet pans and sheet pan rack for storage
- ✓ Stainless steel chopsticks or other tool for closing pre-rolls

# BREAK-IN PROCEDURE

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Thank you for being a valuable and loyal client of STM. Our goal is to bring our customers the very best in product quality and customer service. We value your feedback and use it to evaluate what to improve and/or update in our existing products.

Please be advised that the Rocketbox™ has a direct funneling system into your selected pre-rolls when used properly. What this means is that contaminate free material being funneled from the top trays into your pre-rolls will remain contaminate free through the direct filling process. The top tray funnels are directly inserted into the opening of your pre-roll cones and do not allow anything other than what is being fed onto the top tray.

Even with the direct funneling system, there is a break-in period of 400 hours before any material passes through the "crutch" or bottom of the pre-roll onto the bottom of the "shaker box". This material could be reused, but should still be visually inspected for debris. Although we inspect each and every part before it is sent; due to the intense vibration, the break-in period is required for all new hardware and plates to wear off the mating parts.

## **Please adhere to the following recommended guidelines to break-in your Rocketbox™:**

#1. After you have set up your Rocketbox™, proceed to run multiple cycles without material (at least 5 per set of trays using different intensity setting on the motor) with each of your tray systems and watch for debris in-between the trays and in the shaker box bottom.

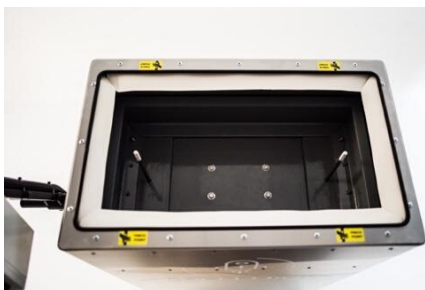
#2. After the un-boxing and the initial break-in, you may proceed with use of the Rocketbox for the first 400 hours of operation. Until the 400 hour point has been reached, discard all materials which have dropped inside the bottom of RocketBox. Click "Run Time" icon (page 10) to see current hours.

# BREAK-IN PROCEDURE

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#3. After the 400 hours required for proper break-in you may reuse the material that has been collected in the bottom of the shaker box only after visual inspection for debris has been made.

#4. Visual inspection should always remain part of the operation of your Rocketbox™. Although we use food-grade materials for direct contact surfaces due to the intense vibration and moving parts, they may still have debris and must always be inspected.



# THE LOADING STATION

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The Loading Box improves efficiency by making it easier to load the cones in the trays before they are used in the Rocketbox™.

## **SETTING UP THE LOADING BOX**

- STEP 1:** Carefully unpack the Loading Box
- STEP 2:** Screw in the feet to bottom of the Loading Box
- STEP 3:** Make sure the Loading Box is level. Use the nuts at the top of the feet to adjust and level it.
- STEP 4:** Insert the bottom tray into Loading Box and begin to load empty cones.



# LOADING/UNLOADING CONES

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▶ Video: Loading Cones - [bit.ly/Rocketbox-loading](https://bit.ly/Rocketbox-loading)

## LOADING CONES

- STEP 1:** Place tray in Loading Box.
- STEP 2:** Load empty cones.
- STEP 3:** Carefully & evenly add the top tray. The trays are now ready to lift up and place into the Rocketbox™. Look down straight into top tray & look out for any crushed cones!

## UNLOADING CONES

- STEP 1:** Remove top tray and set aside. Reclaim unused material.
- STEP 2:** Remove tray from Rocketbox™
- STEP 3:** Carefully place tray onto finishing base which will push filled cones up.

*Please be aware that the following cone sizes are not compatible: "Reefer", "98MM Regular", "Slim", "Cigarette/Tube", "Fatboy", or "Party Size". More information in the STM Client Portal.*

# POWERING ON THE ROCKETBOX

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## TURNING ON THE ROCKETBOX™

- STEP 1:** Plug three-prong cord into a standard 110v/20amp wall outlet.
- STEP 2:** Turn the red lock out switch to the up position (on the right side of the machine) for ON. Turn back for OFF.

(CONTINUED ON NEXT PAGE)

# POWERING ON THE ROCKETBOX

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**STEP 3:** Make sure the touch screen powers on.

**STEP 4:** If it does not turn on, be sure the red E-STOP button next to the LCD screen is disengaged and in the pulled-out position. \*In case of an emergency, you can push in the E-STOP button to quickly shut down the machine.



## GOOD PRACTICES

- ✔ Pre-weigh your material with an overfill of 20%-30% prior to cycle.
- ✔ Please refer to Density Chart for desired weight and results. It is recommended to first test various grinds using the 'sample' presets on the touch screen prior to adjusting settings. You can find the Density chart and information here - [bit.ly/density-testing](https://bit.ly/density-testing)
- ✔ For best results, material should not be ground too finely (like powder) and be free of seeds and stems.
- ✔ Mix product well before placing into machine.

## **0.5 GRAM TRAY**

Industry standard 84mm size cones

## **0.7 GRAM TRAY**

Industry standard 98mm size cones

## **1 GRAM TRAY**

Industry standard 109mm King size cones

# TOUCH SCREEN OPERATION

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▶ Video: Using the Touch Screen - [bit.ly/rocketbox-touch-screen](https://bit.ly/rocketbox-touch-screen)

## **TWO METHODS OF OPERATION**

### **Automatic 3-Stage Cycle Mode**

The Rocketbox™ ships with a factory preset setting for filling cones. This preset is comprised of 3 stages. Each stage has a pre-determined level of vibration and timing. The factory preset setting is a base setting to help get you started. Each stage can be adjusted to suit your needs.

### **Manual Mode**

You can also operate the Rocketbox™ in Manual Mode. Manual Mode is a single stage mode operating for a specific period of time. You have complete control over every setting.

## **EACH STAGE CAN BE CUSTOMIZED BY:**

- Power of vibration motor
- PSI for pneumatic leveling system
- Time for each stage

### **STAGE 1: Filling stage**

The material is placed onto the top tray and begins to fill the cones.

### **STAGE 2: Packing stage**

This stage ramps up the machine power to pack the joints.

### **STAGE 3: Final pack / dampening stage**

With trays and cones still suspended inside the machine, the dampening motion mimics tapping the cones on a table for a final pack.

# TOUCH SCREEN ICONS

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## **GEAR ICON: PRESET FUNCTION**

The GEAR icon is for accessing the preset function for your 3-part cycle. \*This allows you to store presets for different types of materials.



## **HAND ICON: MANUAL MODE**

The HAND icon is for accessing the manual mode controls. \*This section has functions that control the power of the shaking motor and the pneumatic leveling system.



## **HOUSE ICON: MAIN HOME SCREEN**

The HOUSE icon is for the main home screen. \*This is the main home screen that appears when you first power on the RocketBox™.



## **MONITOR ICON: RUN TIME**

The MONITOR icon is for stats on current run time for the motor. \*This information page indicates how long the machine has been running since purchase to gauge when it may need servicing (see page 18, Cleaning & Maintenance).



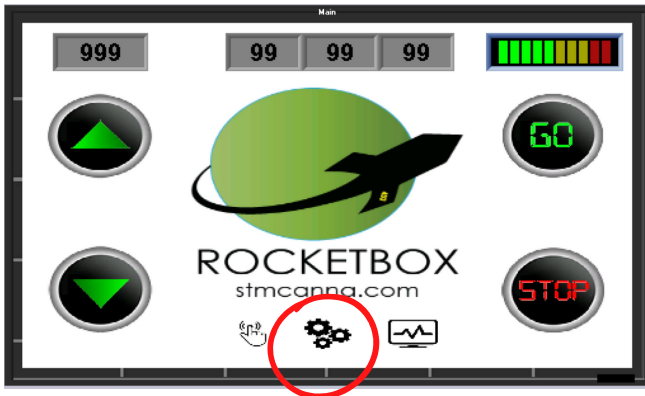
# TOUCH SCREEN MODES

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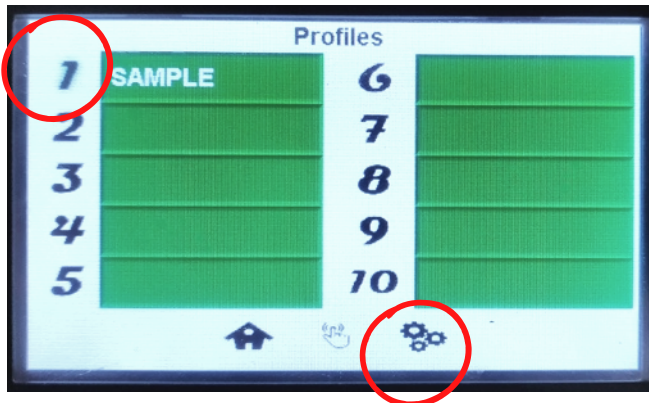
## **USING AUTOMATIC MODE (PRESET SAMPLE)**

This is the 3-Stage Automatic Preset Mode Detailed on Page 9

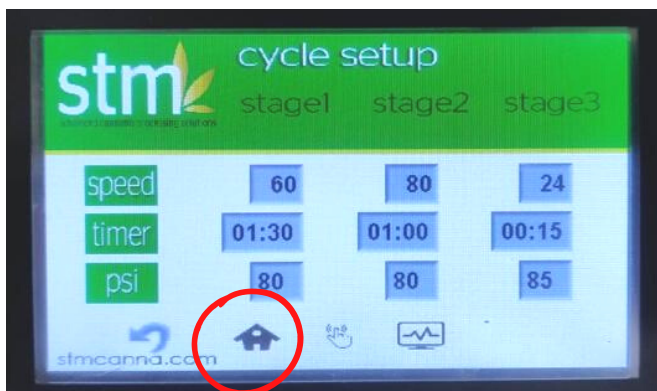
**STEP 1:** Click on the Gears Icon



**STEP 2:** Click on #1 Sample mode.  
This is the default 3-stage mode.



**STEP 3:** Click on the Gear Icon again to see the Sample mode settings and make adjustments if needed.



**STEP 4:** Press Home Button

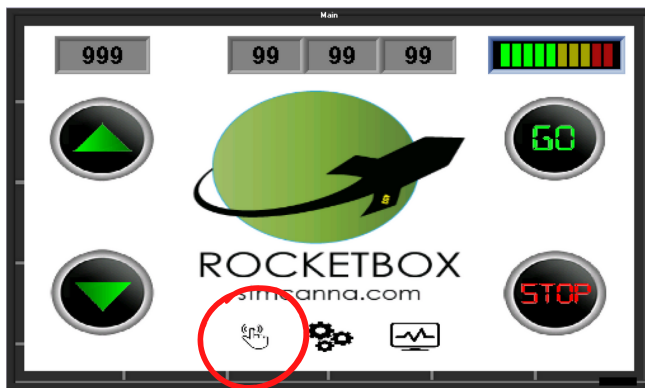
**STEP 5:** Press GO

# TOUCH SCREEN MODES

## **USING MANUAL MODE**

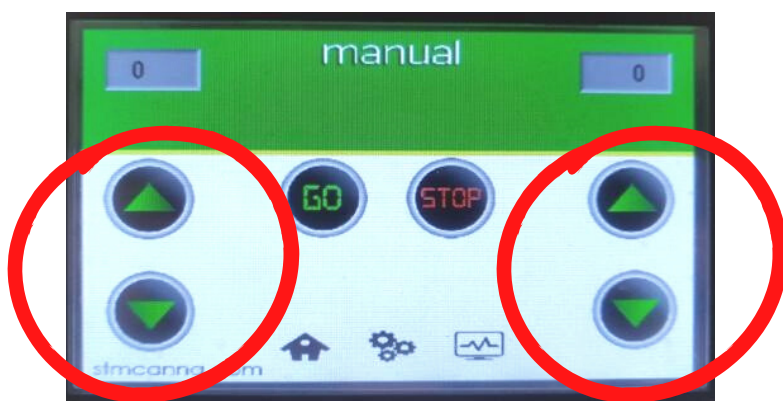
This is the Manual Single Stage Mode Detailed on Page 9

**STEP 1:** Click on the Hand Icon to go into the Manual Mode Screen.



**STEP 2:** On the Manual Mode Screen, the left-side settings adjust for PSI. PSI is the air pressure for the pneumatic leveling system. The higher the PSI number, the tighter the pack. We recommend starting at 80 PSI.

The right-side settings adjust the motor speed which controls the amount of vibration. The higher the number, the stronger the vibration. We recommend starting at 60 and moving up as needed. \*Note: Do not exceed 100 or the motor will not function.



**STEP 3:** Press the GO and STOP buttons to start and stop the Rocketbox™. You can also click on the House Icon to go back to the Home page.

# TOUCH SCREEN MODES

## SAVING A PRESET

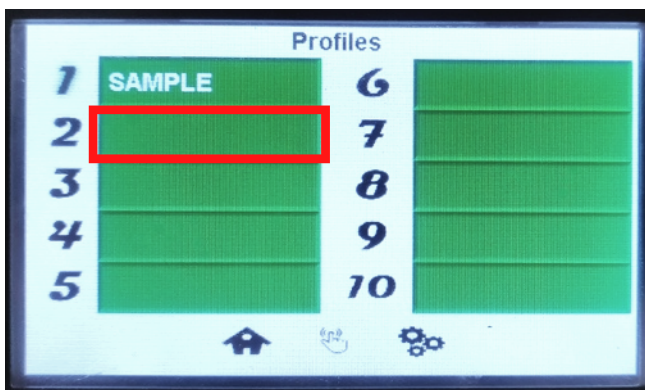
**STEP 1:** From Home Screen, click Gears Icon.



**STEP 2:** From Preset Screen, click Gears Icon Again.

**STEP 3:** On Cycles Set-Up Screen, click in boxes to make adjustments for each stage.

For example, Stage 1 could be a light pack for 20 seconds at 60 motor speed. Stage 2 could be a harder pack at a higher motor speed for 20 seconds. Then Stage 3 a lower motor speed for a dampening pack.



# TOUCH SCREEN MODES

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**STEP 4:** Click Back Arrow.

**STEP 5:** On Preset Screen, click on a Number to store new preset.



**STEP 6:** Then click on the space next to the number to bring up the keyboard to enter in a name for the new preset.



**STEP 7:** Type in Name and to save, click Enter.

**STEP 8:** To run this preset, click on the number of the preset you want.

**STEP 9:** Press House Icon to go back to home screen.

**STEP 10:** Use Go and Stop to run this cycle.

# LOADING TRAYS INTO THE ROCKETBOX

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**STEP 1:** Place the combined bottom and top trays into the Shaker Box.

**STEP 2:** Place washer and wingnuts over the top tray.

**STEP 3:** Run machine



## MACHINE OPERATION

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▶ Video: RocketBox Overview - [bit.ly/rocketbox-full-operation](https://bit.ly/rocketbox-full-operation)

**STEP 1:** Raise tray to up position, and to 20 PSI before adding any material. You can add material before or after you press the go button depending on what your preset functions are. Eventually you can turn it up to 80 PSI to get a good fill.

(Ex. If 1st stage is less than 60% motor power, you may add material after you hit the go button. If the 1st stage is more than 65% of motor power, then add material before pressing go).

**STEP 2:** Pour approx. 3/4 of your material on top of tray.

(CONTINUED)

# MACHINE OPERATION

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**STEP 3:** When material is spread evenly across the tray, press GO button on screen.

**STEP 4:** After the motor starts and material drops into cones, add the rest of the material.



# UNLOADING TRAY FROM ROCKETBOX

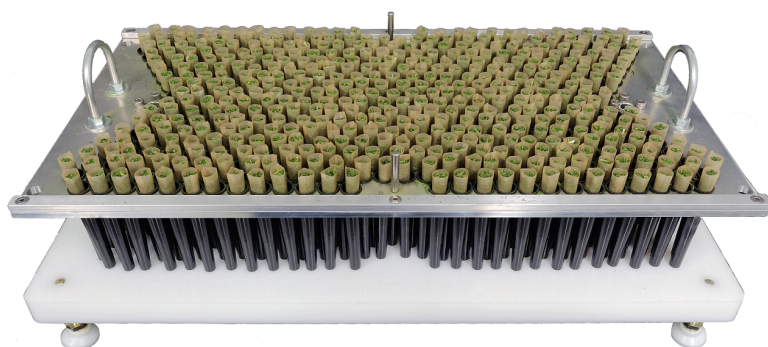
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**STEP 1:** When finished with the cycle and PSI is at zero, unscrew wingnuts, remove washers, and remove the combined trays.

**STEP 2:** Separate and set aside the top tray.

**STEP 3:** You can now reclaim any remaining material on the top tray for a later run.

**STEP 4:** Insert bottom tray carefully into the finishing base.



# REMOVING FINAL PRODUCT

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▶ **Video: Closing Cones** - [bit.ly/closing-cones](https://bit.ly/closing-cones)

- STEP 1:** Once your cycle is complete and your cones are filled, press the STOP button and remove the top tray.
- STEP 2:** Any leftover material left on the top tray can be recycled and used again.
- STEP 3:** Place the bottom tray on top of the Finishing Base.
- STEP 4:** Once you place the Bottom Tray on the Finishing Base, you will see the pre-rolls pop up, exposing the tops.
- STEP 5:** You can now collect your joints and start the closing process.



# COLLECTING LEFTOVER MATERIAL

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**The Rocketbox™ uses food grade materials and coating.**

- STEP 1:** Scoop out, or vacuum, extra material that might have fallen through crutches and onto the surface below inside of the machine.
- STEP 2:** Add material to a collection bin to be re-used. (400 hours of operation needed before re-use of material, see page 5)

# CLEANING & MAINTENANCE

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▶ Video: Cleaning the RocketBox - [bit.ly/cleaning-rocketbox](https://bit.ly/cleaning-rocketbox)

**WARNING: Do not remove plastic cones from top or bottom tray, you may risk voiding your warranty**

- ✔ Each tray may be separated and cleaned using regular soap and water and rinsed off, removing all residue.
- ✔ To clean stainless steel, use isopropyl alcohol and a soft cloth. Wet the rag with the isopropyl alcohol and wipe down all areas thoroughly.
- ✔ If there is any material left inside which is deemed unusable, scoop out or vacuum the material and discard.
- ✔ Clean as often as needed or required. Set the Rocketbox™ on regular cleaning schedule, dependent on use and materials.
- ✔ Motors will last upwards of 10,000 hours with proper use and maintenance. If you're having mechanical issues with your motor, please contact our technical department at [stmcanna.com](https://stmcanna.com) and use the contact form or call (509) 204-3164

# TROUBLESHOOTING

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▶ Video: Material Prep - [bit.ly/Rocketbox-loading](https://bit.ly/Rocketbox-loading)

## **Rocketbox™ will not power on**

Make sure power button on the side is turn to the up position. If this does not resolve the issue, check to make sure the E-Stop button is not depressed. (Page 8)

## **Crushed Cones**

Make sure you are loading the bottom tray correctly with good quality cones to prevent crushing.

## **Top tray is clogging during filling stage**

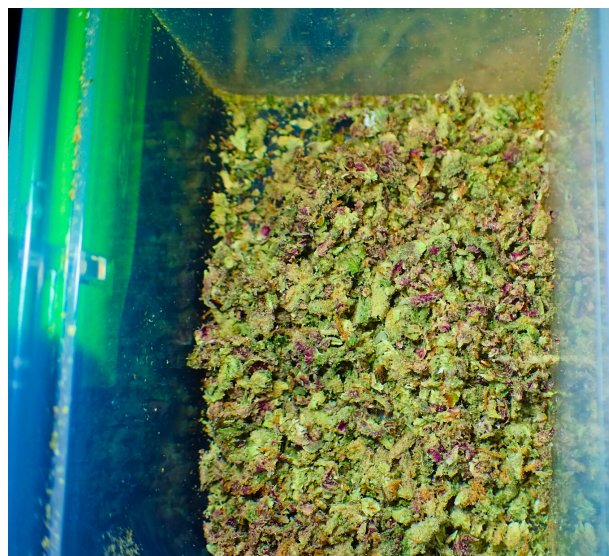
If your top tray is clogging, make sure your material meets the density guidelines. If your material is too large or moist, your cones will not fill properly.

## **How do I get a better fill rate?**

Fill rate will depend on a variety of factors including: type of material, grind, if there are seeds and stems in it, etc. The grind should be free of any seeds and stems and meet the density guidelines. (See video link above)

## **How do I contact tech support?**

Call (509) 204-3164 or email: [clientservices@stmcanna.com](mailto:clientservices@stmcanna.com)



# TERMS OF BUSINESS

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All STM systems carry a limited one-year warranty against defects in workmanship and/or materials.

## **Who is covered?**

Please note that results with STM processing equipment vary widely and depend on a myriad of factors, including but not limited to: correct grind size, age of material, quality of material, moisture content, strain, temperature, correct sized cone usage, quality of cones used, skill of the operator, and more. Our quoted weight ranges for flower and trim are all general averages that have been reported to us by our customers, however your material may behave differently. We take no responsibility for your results, only for the working functionality of our products. If you have any questions or concerns regarding this disclaimer, please do not hesitate to contact us.

## **What voids the warranty?**

- Abuse, misuse, improper installation and modifications.
- Custom applications.
- No proof of purchase at the time of warranty. Claimant must provide proof of purchase, warranty card, and a warranty authorization number (RMA) obtained from STM.
- Finishes such as plating or painted surfaces with discoloration or rust due to inclement weather conditions, exposure to salt, exposure to chemicals, or lack of maintenance by the customer are not covered.
- International grey-market product purchased through a dealer/distributor not authorized for your country will not be supported by this warranty.
- Electrical parts are not covered under warranty.

# TERMS OF BUSINESS

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## **Extent of Warranty**

Any STM system properly returned to STM will be repaired or replaced by STM. STM is not responsible for any other expense incurred by the customer under the terms of this limited warranty, nor is STM responsible for any damages either consequential, incidental, special, contingent or otherwise; or expenses or injury arising directly or indirectly from the use of the STM system purchased. Any system returned to STM must be sent at the customer's expense along with the proof of purchase and warranty authorization (RMA). STM reserves the right to determine whether the terms of the warranty, set out above, have been properly followed. In the event that the terms are not followed this warranty is void.

STM is the sole determiner of abuse, misuse, installation errors and modifications - should any of these be found, this warranty is void. The duration of any and all implied warranties are limited to the duration of the express warranty. All incidental or consequential damages are hereby excluded. The warranty gives you specific legal rights and you may have other rights, which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations and exclusions may not apply to you. Warranty only applies to original owner of the machine. Warranties cannot be transferred.

For international customers, please contact your client services representatives regarding warranties.

# TERMS OF BUSINESS

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## **If You Have a Problem:**

If you have a problem, or are missing a part, please double-check this trouble shooting guide first:

1. Reference your instruction sheet and double-check all instructions
2. Always take time to examine problems in detail.
3. When all else fails, call Client Services at (509) 204-3164:

The technical line is open 9:00am - 3:00pm, Monday through Friday, Pacific Time.

Please have the following information handy: Name of Company the purchase was made under, Date of Purchase, and Serial number.

## **Terms:**

All orders will be shipped COD (Cash on Delivery) unless other arrangements have been made. STM reserves the right to specify collection by certified check, money order, or company check. Personal checks are not accepted.

## **Shipping:**

All orders are FOB Spokane, Washington. Orders received will fall in line and be serviced accordingly where the shipment date may be sooner than originally quoted. We will ship by the most reasonable means based on the volume of the order, unless otherwise specified.

# TERMS OF BUSINESS

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## **Special Orders**

All special-order items must be paid in full before the order is placed. These items are non-returnable and no refund will be given. All special-order items will also take a longer period of time for the customer to receive, which will be quoted at the time of payment.

## **Liability**

The purchaser of any parts releases the manufacturer of those parts and STM from all liabilities pertaining to use of the parts. The purchaser recognizes that any alteration or modifications to any STM system may increase the risk of accident and/or injury and may also render the machine inoperable.

## **Returns**

No Refunds/Exchanges: We do not accept returns or exchanges unless the item purchased is defective. All items that we ship are insured; if an item arrives damaged from shipping, we will work closely with you to get your replacement parts as soon as possible. We may also request pictures or other identifying information to establish the damage that was caused by the shipping carrier. If you receive an item you believe is defective, please contact us with details of the product at (509) 204-3164 or email: [clientservices@stmcanna.com](mailto:clientservices@stmcanna.com).

# TERMS OF BUSINESS

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We may ask you for pictures, video, descriptions, and other identifying information to make a determination. If you are unable to provide adequate documentation requested, your return request will be denied. If your item is deemed defective, which is solely at STM's discretion, we will issue you an RMA # which you will need to place in and on the package. After receiving your RMA #, you may send the item to:

Sesh Technologies Manufacturing  
3223 North Market St.  
Spokane, WA 99207

Upon receipt of the returned product, we will fully examine it and notify you via e-mail, within a reasonable period of time, whether you are entitled to a replacement as a result of the defect. If you are entitled to a replacement, we will replace the product at no additional cost to you.

## **Claims**

Since ownership of product transfers at the FOB point, claims for damaged, lost, or short shipments must be made at the time of receipt.

## **Technical Questions**

See your local dealer or contact Technical Support directly at (509) 204-3164 or email to [clientservices@stmcanna.com](mailto:clientservices@stmcanna.com).

# NOTES

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