stm

ROCKETBOX 2.0

ADVANCED PRE-ROLL PACKING & FILLING

(509) 204-3148 (CALL OR TEXT) | STMCANNA.COM | SALES@STMCANNA.COM

ROCKETBOX 2.0 ™

USER MANUAL V1.4

Sesh Technologies Manufacturing, Inc.
3223 North Market Street, Spokane, WA 99207
Phone: (509) 204-3164 | Web: www.stmcanna.com

WEIGHT & DIMENSIONS	Approximately 300 lbs Machine Dimensions 24" L x 37" H x 27" W
VOLUME CAPACITY	453, 143 or 72 Pre-Rolls Every Cycle
POWER	Standard 110V 8 Full Load Amps 5-1/2 ft. Cord Length
MATERIALS	Encased in SAE 304 Stainless Steel Heavy Duty Caster Wheels (for transport) Aluminum & Other Food Grade Components
CYCLE CUSTOMIZATION	Single Cycle Operation with Customizable Run Settings
PAPER COMPATIBILITY	Compatible with 84, 98, and 109 mm cones
SOFTWARE & UPGRADES	HD 7" Responsive Touch Control Panel with Data Log and Remote Access Capabilities
TRAINING	Integrated Training Mode with Step-by-Step Tutorials
COMPLIANCE	OSHA Compliant UL-Listed Components 100% Food-Grade Emergency Stop System
LIFE CYCLE	10 Years
OPERATION	Patent-Pending Pneumatic Leveling System

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 product line.

The RocketBox™ uses a direct funneling system to deliver contaminate-free material into the selected pre-rolls when used properly. The Top Tray funnels are directly inserted into the opening of the pre-roll cones. This only allows what is being fed onto the Top Tray to enter the desired pre-rolls in the Bottom Tray.

PLEASE ADHERE TO THE RECOMMENDED GUIDELINES TO BREAK-IN YOUR ROCKETBOX™

1. After setting up the RocketBox™, run the machine through multiple cycles with each of your tray systems - empty and unloaded. Watch for and remove any debris in-between the trays and in the bottom of the shaker box. We take great care to mitigate this during production, however, due to the intense vibration some debris may appear.

2. After un-boxing and the initial dry runs are complete, you may proceed with regular/normal use of the RocketBox™. Until the machine has been ran for 400 hours, discard all materials which have dropped inside the bottom of RocketBox™.
   *Run time is located on the start screen.

3. After the RocketBox™ has ran for 400 hours you may reuse the material that has been collected in the bottom of the shaker box. Only use this product after visual inspection for debris has been completed.

Visual inspection should always remain part of the operation for quality control standards.

1. Rubber Flaps - Helps prevent material from falling into the base of machine.

2. Guide Rods - Threaded rods to guide and secure the top and bottom trays into machine.

3. 7" Touch Screen - Used for the operation of machine.

4. Ports - Ethernet, USB, and AUX connectivity.

5. Power Switch - Turns the machine on and off.

6. E-Stop Button - Instantly turns the machine off in case of an emergency.

7. Casters - Swiveling caster wheels for easy mobility.

COMPONENTS

8. Adjustable Top Tray - Used to funnel material into bottom tray and control desired fill level of pre-rolls.

9. Bottom Tray - Cone holding tray (84, 98, or 109 mm cones).

10. Wingnuts + Washers- Threads onto guide rods to secure Top and Bottom Tray into Rocketbox.

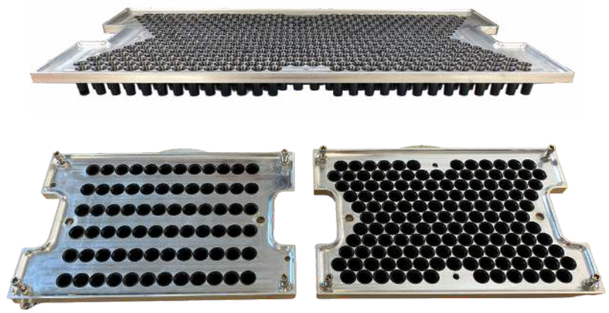
11. Loading Box - Holds Top/Bottom Trays for easy loading and unloading and also guides the marrying of the trays.

12. (2) Reset Brackets - To reset the adjustable top tray to the default 1/4" spacing.

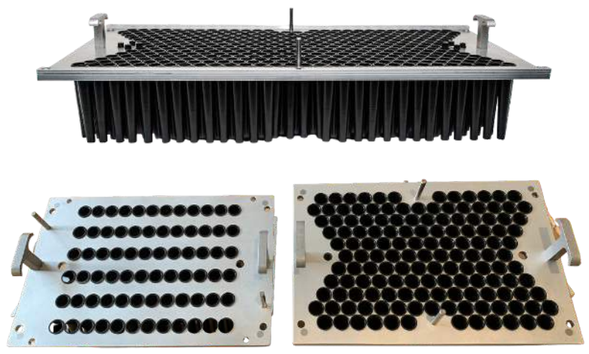
13. Riser Bolts - Adjusts the lift plate for 84mm (1-1/4) and 98mm (98 Special) cones. (x2 sets of 4)

14. Density Beaker - 10 mL graduated beaker used during density tests.

8. Adjustable Top Tray



9. Bottom Tray



10. Wingnuts + Washers

11. Loading Box

12. Reset Brackets

13. Riser Bolts

14. Density Beaker

LIFT PLATE

The Lift Plate rests on the four (4) default riser bolts connected to the bottom of the shaker box.
Because all papers are rolled by hand, this allows an even fill line from the bottom up.

The Lift Plate uses four (4) Riser Bolts to adjust for 98mm (A) and 84mm (B) pre-rolls. The shaker box always comes with four (4) default riser bolts that are designed for 109mm King Size pre-rolls.

DO NOT REMOVE THE DEFAULT SPACERS.

Please ensure the correct Riser Bolts are installed prior to use.

ADJUSTING THE LIFT PLATE

1. Remove the (4) flathead screws with a 5/32 Allen wrench. Then remove the Lift Plate completely from the shaker box.

2. With the lift plate removed, install the desired Riser Bolts (4) onto the fixed riser bolts on the bottom of the shaker box.
See Riser Bolt image to right

3. Once Riser Bolts are installed, align and re-install the Lift Plate. Secure in place with the four (4) flathead screws using a 5/32 Allen wrench.
Riser Bolts should ALWAYS be installed UNDER the lift plate

'A' RISER BOLTS
Used for 98mm pre-rolls

'B' RISER BOLTS
Used for 84mm pre-rolls

ADAPTOR PLATE COMPONENTS (OPTIONAL)

1. Adaptor Plate - Allows the Rocketbox 2.0 to run with two (2) Mini Trays at once - 143ct. or 72ct.

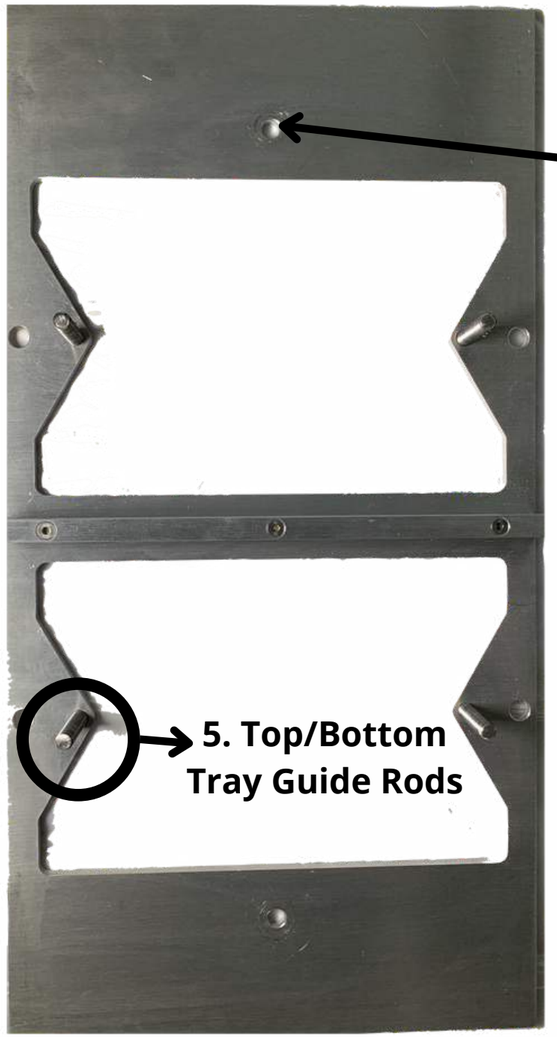
2. Flat Washer / Lock Washer / Nut - Secures adaptor plate to Rocketbox 2.0.

3. Flat Head Hex Scews (Long) - Secures lift plate to bottom of the shaker box - These are the LONGER flat head screws. Utilize a 5/32 Allen wrench to secure/remove.

4. Hat Spacers- Placed ON TOP of riser bolts. Only used with adaptor plate install. This compensates for the added depth from the adaptor plate.

5. Guide Rods - Threaded rods to guide and secure the Top and Bottom trays into Rocketbox.

1. Adaptor Plate



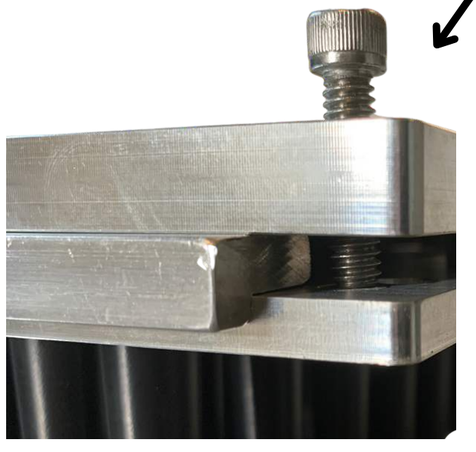
2. Flat Washer/ Lock Washer / Nut

3. Flat Head Hex Screws (Long)

4. Hat Spacers

Included Reset Brackets
The RocketBox 2.0 includes (2) removable Reset Brackets to reset the height of the Top Tray to the default 1/4" setting.

Placement of Reset Brackets
Reset Brackets fit in between the Top and Bottom Tray. Make sure to keep the Reset Brackets in a convenient location for future adjustments.



Placement of Adjustable Bolt
The Adjustable Bolt touches the Bottom Tray with the default 1/4" adjustment. Ensure all (4/6) bolts are adjusted evenly.

TRAY ASSEMBLY

Top Tray

Bottom Tray

Loading Box

ADJUSTABLE TOP TRAY

The Adjustable Top Tray gives the ability to refine and control the weight of the pre-rolls. This tool allows the operator to lower and raise the funnels in and out of the paper pre-rolls. This will increase or decrease the overall volume and height of fill lines in the pre-rolls.

The RocketBox 2.0 is pre-installed with an Adjustable Top Tray. The default adjustment is set at at ¼", easily adjusted with a 7/16" wrench.

ADJUSTING THE TOP TRAY

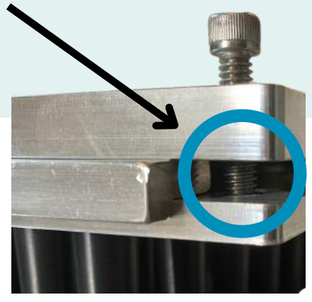
1. Loosen the bottom nut on the Adjustment Bolt with a 7/16" closed-end wrench. Repeat with each of the (4/6) bottom nuts.
2. Turn the Adjustment Bolt counter-clockwise to lower the Top Tray, or clockwise to raise the Top Tray. Repeat for all (4/6) Adjustment Bolts.
3. Tighten the Adjustment Bolt bottom nut with 7/16" closed-end wrench to secure into place. Repeat with all (4/6) bottom nuts.

ADJUSTABLE TOP TRAY IS EQUIPPED WITH:

- **(4/6) ¼" Adjustment Bolts *Dependent on Tray Size***
- **(4/6) ¼" Bottom Nuts *Dependent on Tray Size***
- **(2) Removable Reset Brackets**

RESETTING THE TOP TRAY

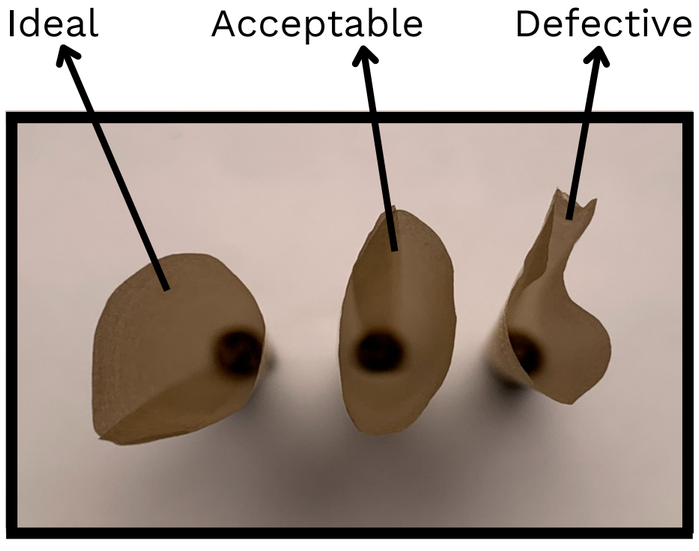
1. Add the (2) Reset Brackets to each side of the Bottom Tray. Place Adjustable Top Tray on top.
2. Loosen all hex bolt lock nuts with a 7/16" wrench. Repeat for all (4/6) bottom nuts.
3. Turn the Adjustment Bolts until it just touches the Bottom Tray. Tighten the hex bolt lock nut to lock into place. Repeat with all (4/6) bolts. This is the default 1/4" setting. *See Picture*



LOADING CONES

Always use good quality paper cones and discard all paper cones that appear to be defective.

1. Place the Bottom Tray into the Loading Box.
2. Carefully drop cones into the Bottom Tray. Discard any cones that appear bent, crushed, or otherwise defective.
3. Place Top Tray above the Bottom Tray once loaded with pre-rolls. Marry the trays together and carefully place into the RocketBox™.



UNLOADING CONES

Once the cycle in the RocketBox™ is complete and the PSI is at zero, it is safe to unscrew the wingnuts, remove the washers, and remove the combined trays.

1. Remove trays and place into Loading Box. Set the Top Tray aside. The extra material on the Top Tray may be reclaimed.
2. Remove the Bottom Tray from the Loading Box. Carefully place it onto a solid flat surface. This will push the cones upwards and out of the Bottom Tray for easy examination and removal.

SUGGESTED TOOLS AND ACCESSORIES

- Scoop for Material
- Shop Vac
- Stainless Steel Chopsticks
- 70-99% Isopropyl Alcohol
- Thousandths Scale
- Spray Bottle
- Pipe Cleaners
- Collection Bin

PREPARING WORK AREA

The space required for pre-roll production varies based on volume needed. See the suggested work areas below:

Grinding Area
Material Prep for RocketBox™ use

Loading Area
Dedicated to loading cones into Bottom Trays

RocketBox Area
For trained person(s) to operate the RocketBox™

Packing Area
Dedicated to closing and packaging cones

POWERING ON THE ROCKETBOX

1. Power on the RocketBox by plugging it into a 120v outlet.
2. Turn the power button clockwise. The arrow will point upwards.
3. Once the machine is powered on, the touch screen will begin powering on.

Power OFF

Power ON

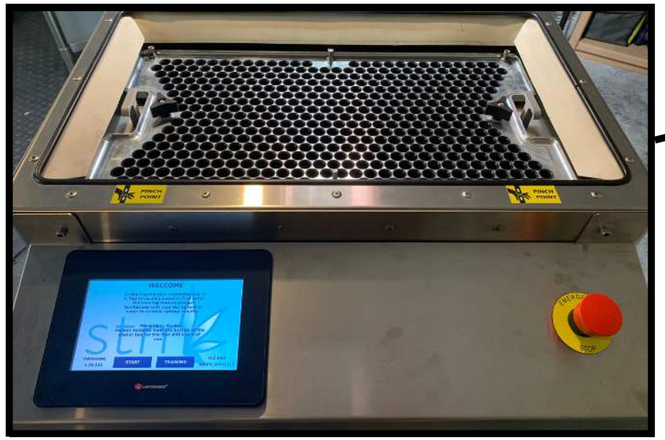
1. Insert the married Top and Bottom trays into the RocketBox™. Secure with washers and wingnuts.

2. Adjust the settings on the 'Start Up / Density / Parameters' screens if necessary. The default settings provide a good starting point.

3. Select SYSTEM START to run the cycle. The airbags will begin to inflate. Once inflated and the vibratory motor starts, CYCLE TIME countdown will begin.

4. Pour material onto Top Tray and spread evenly to fill all of the cones. This step may need to be completed at various speeds, depending on the material.

5. After the cycle is complete, an option to REPEAT RUN (same settings as previous cycle) or start a NEW RUN (start from beginning) will appear.



453 Count Tray

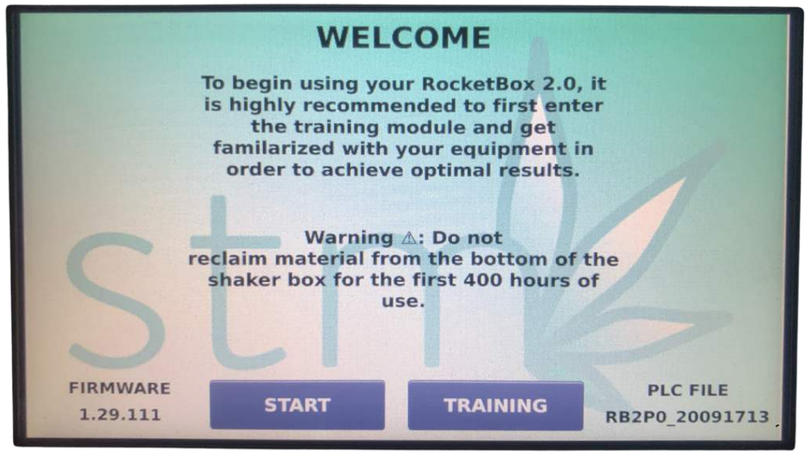
72 or 143 Count Tray

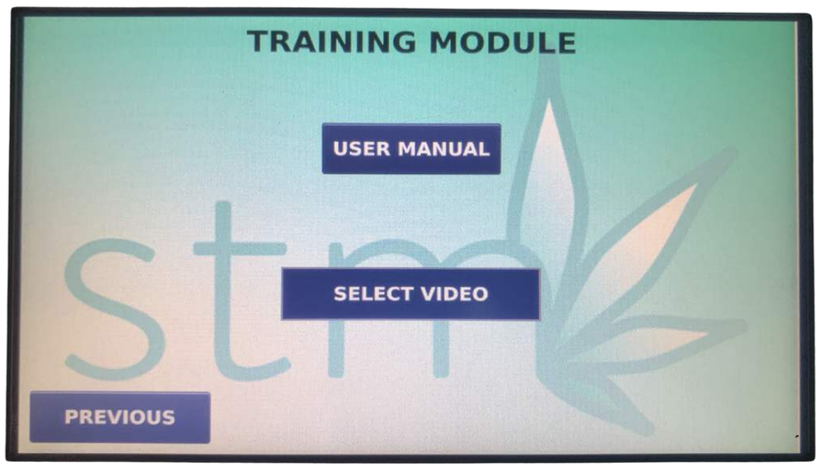
⚠ Helpful Tips

- Sift material for better quality pre-rolls.
- ALS PSI may display 1 to 2 points lower than settings - this is normal and to be expected .
- Prepare material ahead of time for maximum efficiency.
- The key is to have enough material to fill the entire Top Tray to ensure all cones are optimally filled and packed.

WELCOME SCREEN

The welcome screen will appear after powering on the machine. Select START to begin a new cycle or select TRAINING to view the training module.



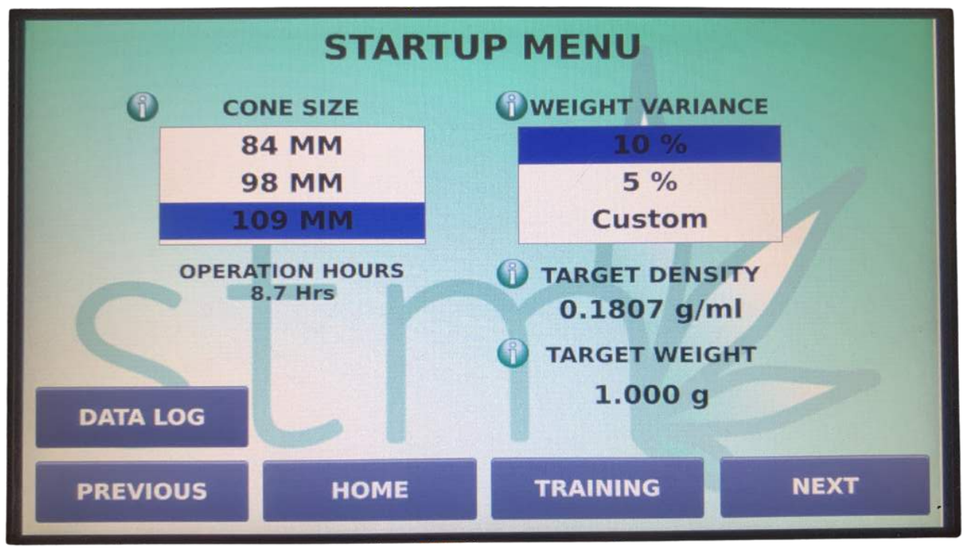


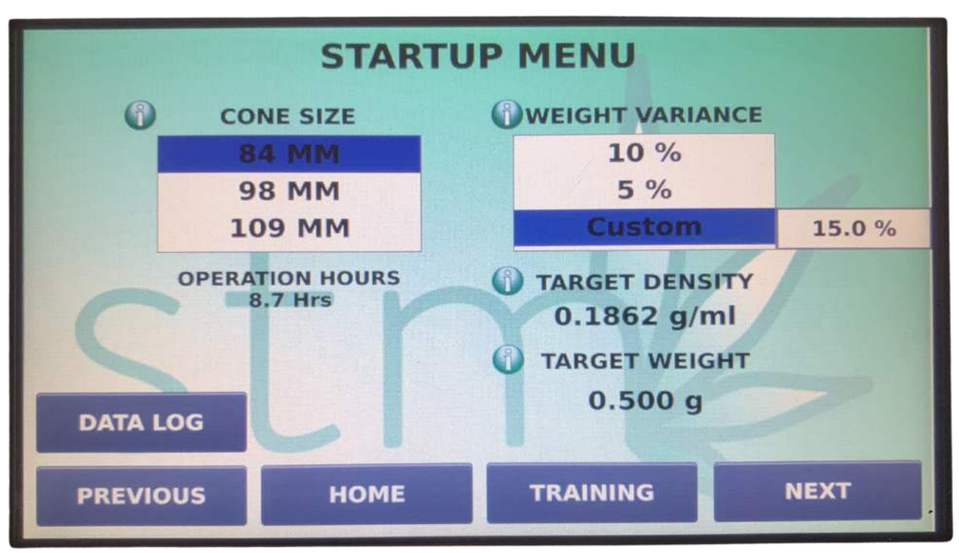
TRAINING MODULE

Select USER MANUAL to view the manual, or select TRAINING VIDEOS to access the full series of RocketBox™ training videos.

DATA LOG

Displays data from up too 100 previous cycles, including density (measured value), speed, pressure, cycle time, cone size, variance, operation time, and date.





STARTUP MENU

The startup menu will appear after selecting START on the Welcome screen. On this screen, the operator will select the cone size and weight variance preferred. Additionally, the operator can view total operation hours of the machine, training/data logs, target density, and target weight of pre-roll.

Cone Size

Paper and tray size in use.

Weight Variance

Acceptable variance of target weight based on target density of material.

Operation Hours

Displays the total run time of the machine.

Target Density

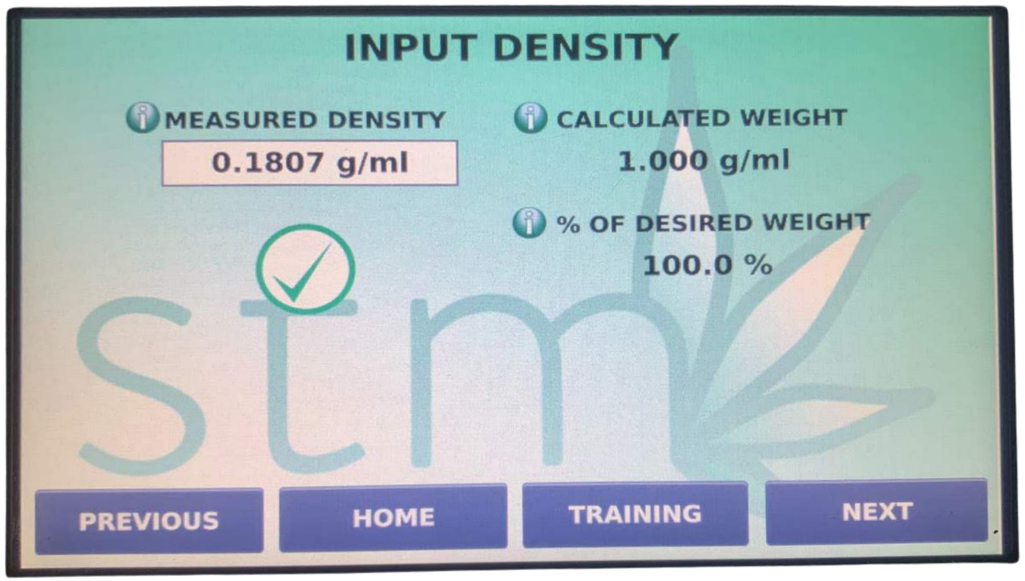
Suggested density target to achieve default target weight.

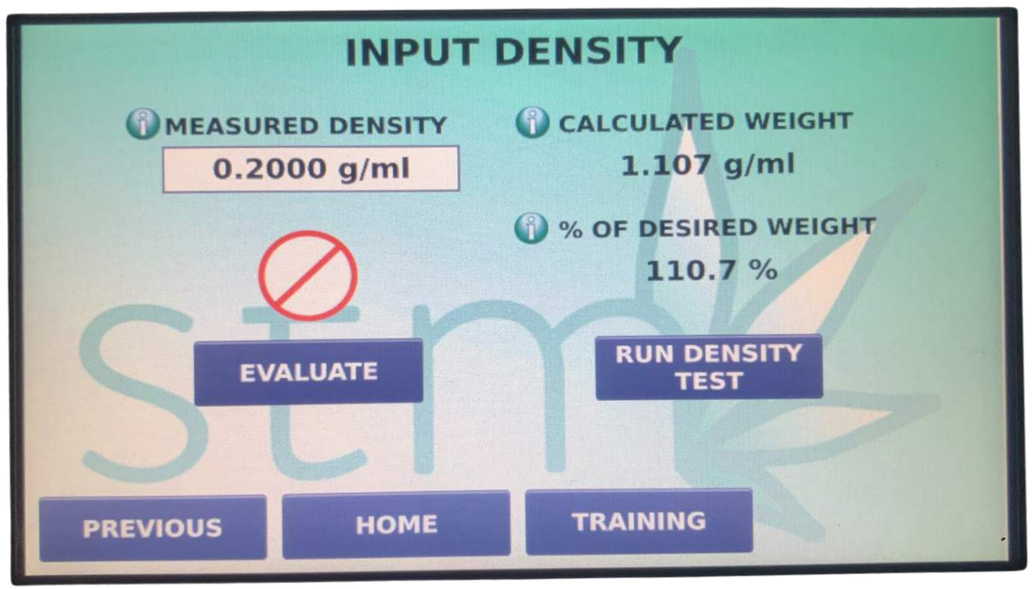
Target Weight

Weight average that should be achieved if product density equals the suggested target density.

Data Log

Records the settings of the last 100 runs. Additionally, the data log can be used for troubleshooting purposes.





INPUT DENSITY

The Rocketbox 2.0 utilizes a pre-installed density calculator to measure the ground product's average mass per ml of material.
PLEASE NOTE - These inputs do NOT affect the operation of the Rocketbox 2.0

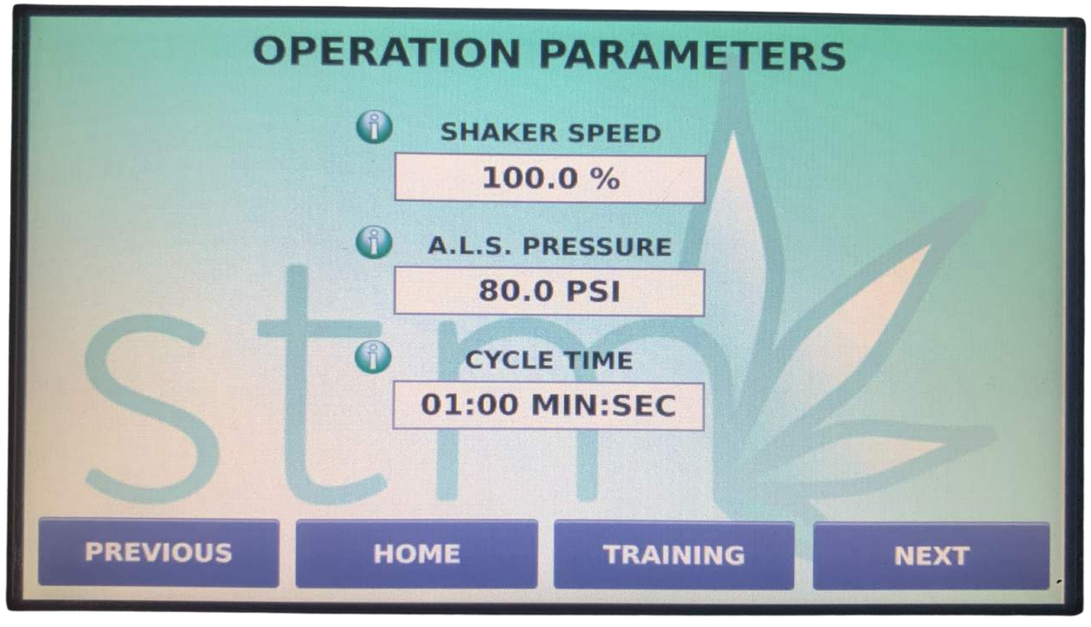
Measured Density
The calculated density of your product - Determined by performing a density test (See pg. 17)

Calculated Weight
The predicted average internal weight of your pre-rolls based on your measured density.

% of Desired Weight
Based on Measured Density - this displays the predicted accuracy of the internal weight of pre-rolls.

Run Density Test
Select this button to open the "RUN DENSITY TEST" Screen (See pg. 16)

Evaluate
Select this button to open a screen that gives additional information and tips to improve density numbers. (See pg. 16)



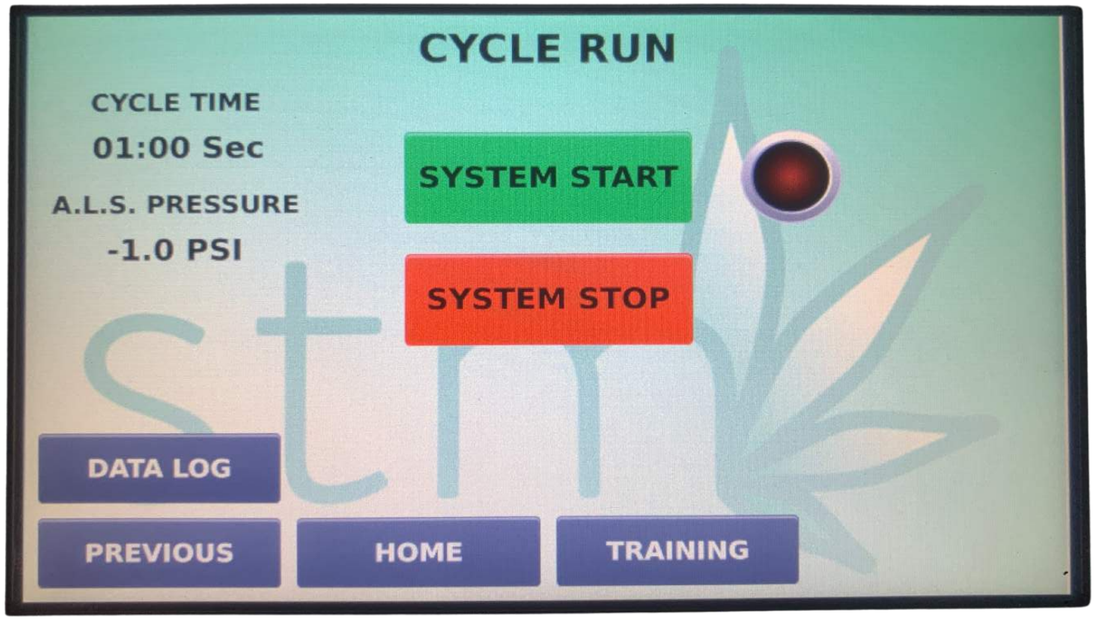
OPERATION PARAMETERS

These parameters directly affect the performance of your machine. Altering these may impact your pre-rolls internal pack and the overall weight of your pre-roll.

Shaker Speed
Vibration intensity range of 10-100%

A.L.S. Pressure
Measured air level system PSI range of 60-95 PSI

Cycle Time
Desired time per run



CYCLE RUN

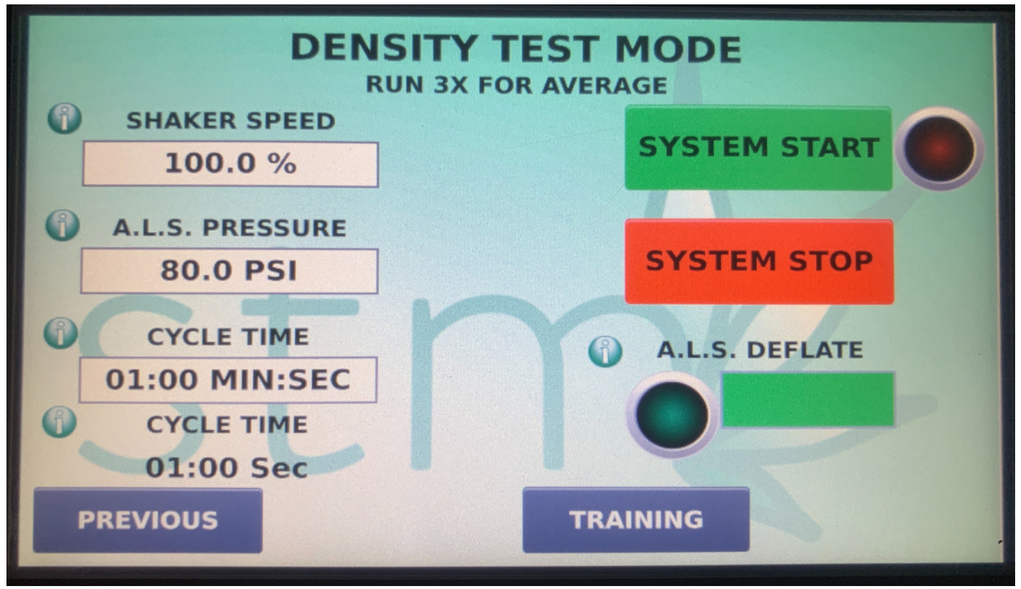
This screen is where you will turn your machine on and off for a full production run. It will also display the time it takes for your airbags to deflate.

System Start
Starts the system

System Stop
Stops the system

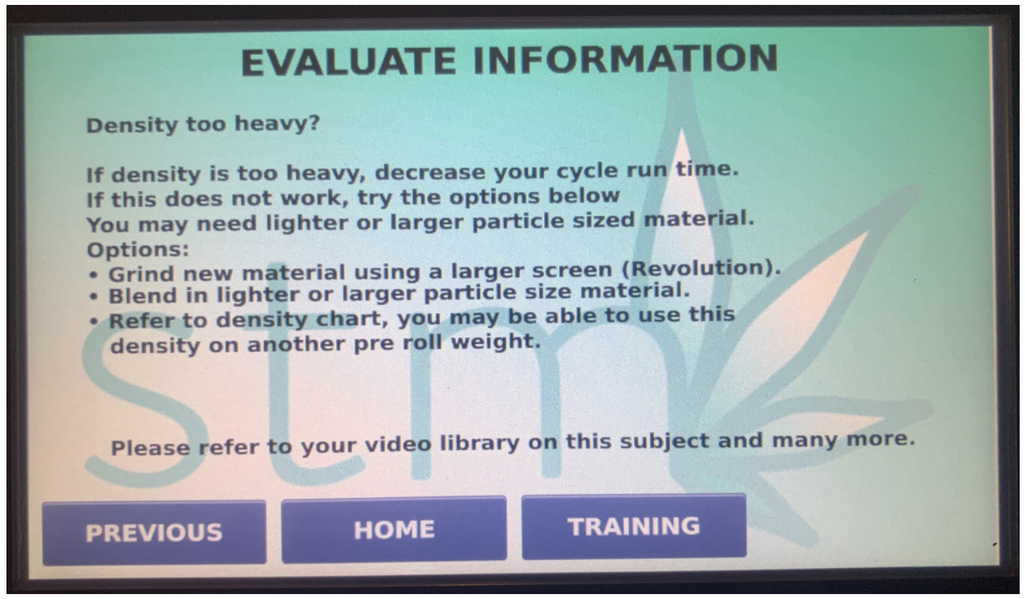
A.L.S Deflate
Air leveling system deflate time

**THIS SCREEN WILL APPEAR AFTER "SYSTEM STOP" IS SELECTED



DENSITY TEST MODE

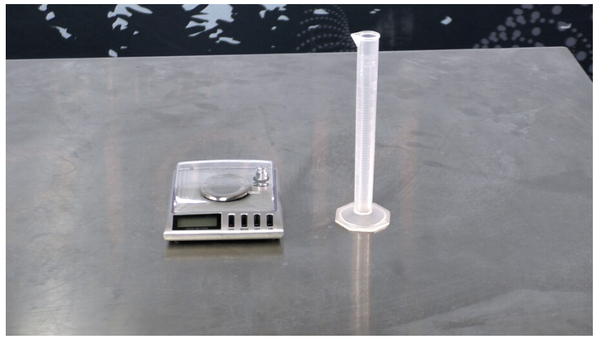
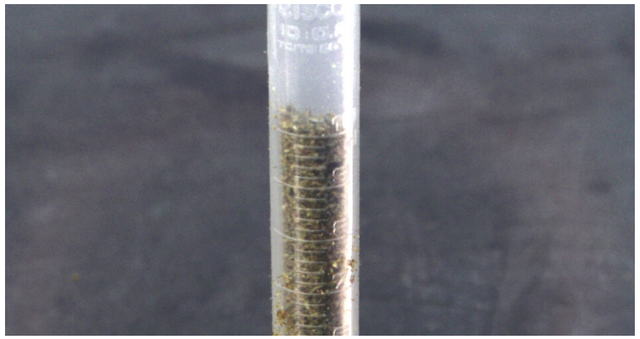
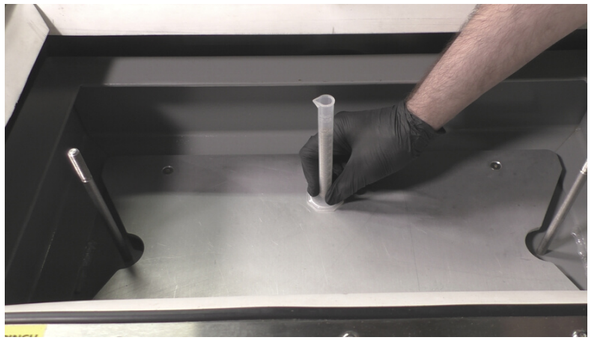
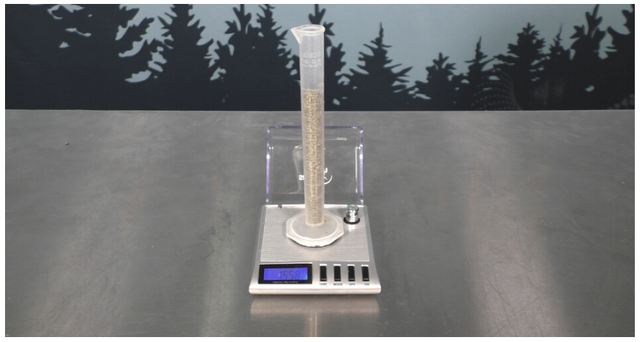
- To attain the variance goal, performing a density test is crucial for success.
- Run the Shaker Speed / A.L.S. Pressure / Cycle Time at settings that will be used during full scale pre-roll production.
- Run the density test ***THREE TIMES*** to obtain the average density of the product to be used in full scale production
- See page 17 for additional details and information.



Note: DENSITY TEST MODE screen will lockout after three density runs. Power the machine off and back on to run additional density tests.

EVALUATE INFORMATION

This page provides additional information that can help anyone to improve the target density numbers of the product used during pre-roll production.

⚠ Helpful Tips

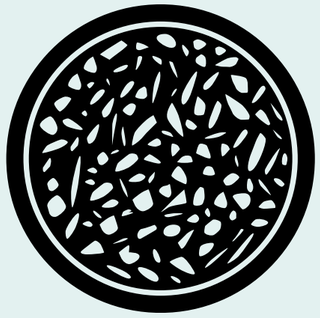
- Repeat density test 3x and average out for optimal results.
- Hold beaker in place during density testing.
- It is recommended to use a thousandths scale for accuracy.

PERFORMING A DENSITY TEST

- Tare empty 10 mL beaker on thousandths scale.
- Fill the included beaker just above the 10 mL line with ground material.
- Hold filled beaker firmly onto lift plate and begin density test - "System Start."
- Continue adding material until it settles at the 10ml fill line while the beaker is vibrating in the machine.
- Remove beaker from machine. Place onto the tared scale and record weight. Move the decimal one place to the left - this will be the calculated density of the tested material. Utilize this value on the "INPUT DENSITY SCREEN."

Example: If the scale weight is 1.590, input 0.1590 into the MEASURED DENSITY setting on the INPUT DENSITY SCREEN.

The RocketBox™ 2.0's built-in Density Calculator assists with reaching targeted weight accuracy based on density of material.



WHAT IS DENSITY?

Density is a characteristic property of a substance. The density of a substance is the relationship between the mass of the substance and how much space it takes up (volume).

WHAT IS DENSITY TEST MODE?

Density test mode ensures pre-rolls meet their target weight. This increases accuracy and minimizes variance across all 453 pre-rolls.

WARNING: Do NOT remove plastic cones from Top or Bottom Tray - this will risk voiding the warranty.

HOW TO CLEAN

Each tray can be separated and cleaned using regular soap and water, removing all residue. To clean stainless steel, use isopropyl alcohol and a soft cloth. Saturate the rag with at least 70% isopropyl alcohol and wipe down all areas thoroughly.

Clean as often as needed or required. Set the RocketBox™ on regular cleaning schedule, dependent on use and materials.

1. Use a 3/16 Allen wrench to remove the lift plate from the bottom of the shaker box.
2. Vacuum the bottom of the Shaker Box, Top Tray, Bottom Tray, and Loading Box.
3. Spray the Lift Plate, Shaker Box, and Trays, and relevant tools with at least 70% isopropyl alcohol solution. Wipe down with soft paper towels or microfiber rags.

PURCHASING TERMS & CONDITIONS

All products are first-come-first-serve and that receipt of payment is required in order to receive a confirmed shipping date in the queue. Due to high demands, certain items may have a lead time of 4-8 weeks or more from payment date, unless otherwise stated. Following the receipt of an invoice, STM Canna must receive payment within a maximum of 7 days before the invoice expires – leaving lead times, quoted prices, specials and discounts on all items subject to change. If a deposit is applicable for any special reason, my deposit is non-refundable. Purchaser agrees to adhere to the Customer Awareness Program and Terms of Business herein.

CUSTOMER AWARENESS PROGRAM (C.A.P.)

STM takes pride in the products we make and the services we offer. To ensure our customers fully understand the services we provide, along with the capabilities and expectations of our products, we have executed and outlined the Customer Awareness Program contents below: A 12-month warranty on each product that is applicable with regards to manufacturer's defects, including parts and labor. STM Client Services department is dedicated to ensuring the success and satisfaction of all STM clients. As such, product on-boarding programs are provided to familiarize our clients with their new equipment. STM Tech department provides our clients with all software updates, phone support and onsite support, as needed. Training (RocketBox) with our technicians to train your staff on best practices to accomplish your desired results for a quality finished product. An easy-to-use client portal with tools such as product F.A.Q.'s and Best Practices, along with an extensive video library to help guide you towards success with your STM equipment.

EXPECTATIONS AND CAPABILITIES OF YOUR STM EQUIPMENT: STM ROCKETBOX

With training from our on technical training staff, you can expect to receive a complete and comprehensive training program to educate your team on best practices, as well as the cleaning and maintenance of your machine and accessories. By following the guidelines provided to you via the user manual and training, you will be able to produce a quality and consistent product that will be easily repeatable. The shaker box within the machine contains an area where material may escape during operation. With the 400 hour break-in period, STM advises against re-purposing this excess waste due to potential metal contaminants residing in the shaker box from regular usage. Results are not guaranteed and can greatly vary from operation to operation.

WHO IS COVERED?

With step-by-step training videos and resources, you will receive access to best practices, of running the equipment, as well as guidance on the cleaning and maintenance of your machine and accessories. By following the guidelines provided to you via the user manual and training videos, you will be able to produce a quality and consistent product that will be easily repeatable. The shaker box within the machine contains an area where material may escape during operation. STM advises against re-purposing this excess waste due to potential metal contaminants residing in the shaker box from regular usage. Results are not guaranteed and can greatly vary from operation to operation.

EXTENT OF WARRANTY

There are no warranties on paper products. Machines come with a 1-year parts and labor warranty. See Returns below.

TROUBLESHOOTING

- Reference your instruction sheet and double-check all instructions.
- Always take time to examine problems in detail.
- When all else fails, please call the STM technical support line at (509) 204-3164 or email us at clientservices@stmcanna.com.

The technical line is open 8:00am – 4:00pm 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 must be paid in full before the order is placed. Order quotes expire within 10 days. STM Canna & STM Supply reserve the right to specify collection by certified check, money order, or company check. Personal checks are not accepted.

RETURNS

No Refunds/Exchanges: We do not accept returns or exchanges unless the item purchased is defective. No item will be accepted for return without prior approval. All approved returns must be accompanied with a return authorization (RA) number and must be in new and unused condition. All RA numbers must be clearly displayed on the outside of the box. All returns are subject to restocking fees, not to exceed 20% unless damaged. Refunds are issued in the form of like payment. All refused shipments are subject to a 20% restock fee and all applicable freight charges. All items that we ship are insured; if an item comes that is damaged from shipping, we will work closely with you to get you replacement parts as soon as possible. We may also request pictures or other identifying information to establish that damage 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 us at clientservices@stmcanna.com.

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:

STM Canna
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 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.

SHIPPING

All orders must be paid in full before the order is shipped. Order quotes expire within 10 days. 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.

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 products releases the manufacturer of those parts and STM Canna from all liabilities pertaining to use of the products.

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

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