



CONE LANDER

ADVANCED PRE-ROLL AND CONE LOADING MACHINE



USER MANUAL V1.4



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CONE LANDER™

USER MANUAL V1.4



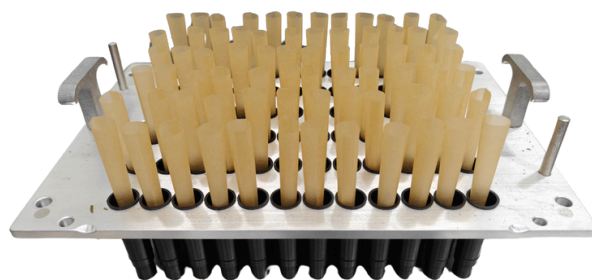
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WEIGHT & DIMENSIONS	Approximately 95 lbs L x 38" H x 38" W 19"
VOLUME CAPACITY	72 Cone Drops Every Cycle Up to 8-9 trays per load
POWER	Standard 110-120V 1.5 Full Load Amps 5-1/2 ft. Cord Length
MATERIALS	6061 food-grade aluminum
CYCLE CUSTOMIZATION	Single Cycle Operation with Crutch Size selection
PAPER COMPATIBILITY	84, 98, or 109 mm cones
OPERATIONS	Push button operated
TRAINING	Video tutorials available
COMPLIANCE	OSHA Compliant, UL-Listed Components, 100% Food- Grade
LIFE CYCLE	10 Years

WARNING: UNPLUG YOUR MACHINE BEFORE EVERY CLEANING AND MAINTENANCE

Thank you for being a valuable client of STM. Our goal is to bring our customers the very best in product quality and customer service. We value your feedback to help us improve.

The STM Canna Cone Lander is a machine designed to automate the loading of pre-rolled cones into trays. It significantly speeds up the pre-roll production process by eliminating the need for manual loading. The machine can load 72 cones into a tray in just a few seconds, and it is compatible with various cone sizes (84mm, 98mm, and 109mm).



GETTING STARTED

Upon opening the crate your order arrived in, you will find the Cone Lander and a removable clear holding plate secured within the machine.

TRAINING VIDEO

A training video is available online for this machine. It is recommended that this manual be used in conjunction with it. When looking for a specific operation, refer to the time index listed at the bottom of each section in this manual.



Scan to view
training videos



1. **Tray Drawer** - Holds an empty 72-count tray ready for cones.
2. **Cartridge Unit** - Holds the stacks of pre-rolled cones from the box.
3. **Safety Doors** - Cartridge door protects cones.
4. **Power Switch** - Turns the machine on and off.
5. **Selector Switch** - Controls variable crutch length settings.
6. **Push Buttons** - Initiates a cycle of tray filling or the stripping plate.

7. **Stripping Plate** - Assists in dropping cones in the bottom tray.
8. **Bottom Tray** - 72-count cone holding tray (84, 98, or 109 mm cones) that is compatible STM's One-Tray Workflow.
9. **Loading Tubes** - hold the stacks of cones to be loaded into trays.
10. **Guide Plate** - Guides cones from the loading tubes into the tray.
11. **Removable Clear Holding Plate (not pictured)** - Prevents cones from falling past the guide plate.



While cone brands provide crutch size information (e.g., 26mm, 26.5mm), variations can occur, impacting the Cone Lander's performance. To ensure smooth operation and prevent cone jams or waste, it's crucial to:

Measure: Before using the Cone Lander, carefully measure the overall crutch length of your cones using a caliper.

Set: Adjust the machine's selector switch to the exact measurement obtained with the caliper.

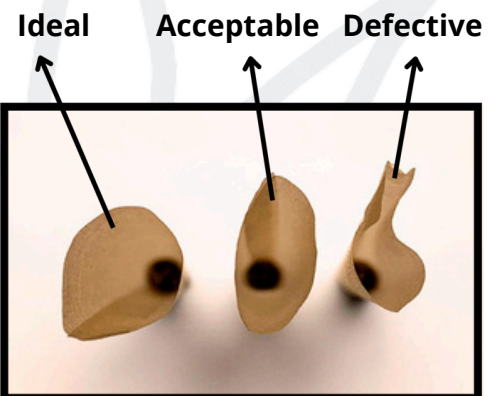
Failing to match the crutch size on the machine with the actual cone crutch size can lead to operational issues and potentially ruin your cones.



CONE QUALITY

For optimal Mini-RocketBox+ performance and top-notch pre-rolls:

- **Prioritize Quality:** Always choose high-quality cones and discard any with defects.
- **Inspect Before Loading:** Carefully examine each cone before inserting it into the STM Canna loading trays. Reject any that are deformed, crushed, torn, or warped.



Using damaged cones can compromise the Mini-RocketBox+'s efficiency and result in subpar pre-rolls.



Helpful Tips

Enhance your Mini-RocketBox+ experience and pre-roll quality with these tips:

- **Choose High-Quality Cones:** Premium cones, like Zig Zag or other reputable brands, significantly improve the Mini-RocketBox+'s success rate.
- **Select Correct Size:** Ensure the cone size matches your desired pre-roll weight for consistent results.
- **Exclusive Pricing:** Contact sales@stmccanna.com to take advantage of special pricing on top-quality pre-rolled cones.



ADJUSTING CRUTCH SETTING

- Each Cone Lander is equipped with a selector switch that is located on the front side of the electrical panel. This switch allows the user to adjust the compatible crutch size.
- This selector switch is incredibly important, as it needs to be set to the nearest half millimeter measurement of the cone crutch being used for the machine to function properly.
- The switch may be set to 26mm, 26.5mm, 27mm, or 27.5mm in length.



Optimize your Cone Lander experience with these best practices:

1. **Measure Consistently:** For each new box of cones, measure a single cone's crutch length to ensure accuracy and adjust the machine as needed.
2. **Set Before Powering On:** Just before turning on the machine, use the selector switch to set the measured crutch length.
3. **Adjust with Power Off:** If you need to change the crutch length setting, turn off the machine, wait at least 10 seconds, make the new selection, and then power it back on.



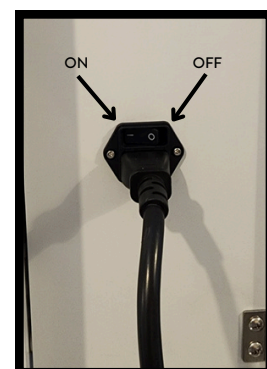
- 1. Measure Crutches:** Determine the size of the crutches on your cones (**below**).
- 2. Select Crutch Size:** Use the selector switch on the machine to match the crutch size you measured.
- 3. Position and Power:** Place the Cone Lander on a level surface, plug it in, and turn the power switch to the "on" position (usually indicated by a "-").
- 4. Open Safety Doors:** Open both the front and side safety doors to access the tray drawer and cartridge unit.
- 5. Load Tray:** Pull out the tray drawer and place an empty 72-count bottom tray inside.
- 6. Prepare Cartridge:**
 - Fully extend the side cartridge unit.
 - Install the clear holding plate.
 - Load sleeves of cones into the top cells of the cartridge unit. Make sure to remove any cone inserts from the sleeves before loading.
 - Remove the clear holding plate after loading.
- 7. Close and Cycle:**
 - Push the cartridge unit and tray drawer back into the Cone Lander.
 - Close both safety doors securely.
 - Press the "CYCLE" button on top of the machine.
- 8. Retrieve Tray:**
 - Once the cycle is complete, pull out the tray drawer.
 - Remove the filled 72-count bottom tray.

Additional Tips:

- **Cone Type:** The Cone Lander works best with Zig Zag brand cones. While other brands might work, there could be variations in success rate due to differences in cone size and quality.
- **Cone Size:** Each Cone Lander model is designed for a specific cone size (e.g., 84mm, 98mm, 109mm). Make sure you have the right model for your cones.

POWERING ON

1. Power on the Cone Lander by plugging it into a 110-120v outlet.
2. Turn the power button on by depressing the rocker switch, located behind electrical enclosure and just above the power cord socket.
3. If the machine is already in its 'home' position, no movement will occur. If machine is not in its 'home' position, it will revert automatically.



LOADING CONES

- **Open and Access:** Open the front safety door and fully pull out the bottom tray drawer.
- **Insert Tray:** Place an empty 72-count loading tray into the drawer and leave the drawer extended.
- **Open Cartridge:** Open the side safety door and pull the cartridge unit out completely.
- **Install Holding Plate:** Slide the clear holding plate into place between the loading tubes and the guide plate.
- **Load Cones:** Carefully insert full sleeves of cones into the open cells at the top of the cartridge unit.
- **Remove Inserts:** Before each sleeve is fully loaded into the cartridge, remove the protective insert from its top. Once all cones are loaded, remove the clear holding plate.
- **Close Cartridge:** Push the cartridge unit back into the machine until it clicks into place and close the side safety door.
- **Close Drawer:** Gently push the tray drawer back into the machine, ensuring the tray is aligned with the cartridge unit's guides. Make sure all cones are hanging straight and then close the front safety door.



TRAY DRAWER

LOAD CONE SLEEVES



Start Cycle: To begin, press the top "CYCLE" button once. The Cone Lander will dispense one set of cones into the bottom tray.

Assist (if needed): If any cones haven't dropped into the tray, press the bottom "CAM CYCLE" button to help them fall into place.

Replace Tray: Once the tray is full, remove it from the drawer and replace it with another empty bottom tray.

Repeat: Continue steps 1-3 until you've filled your desired number of trays or the cartridge unit runs out of cones.



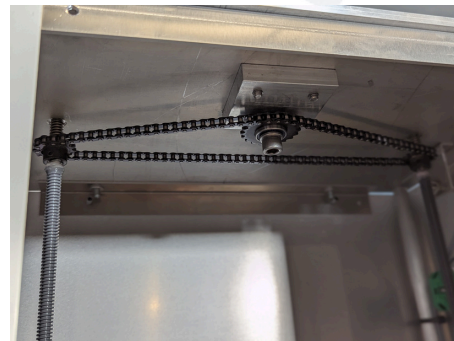
MAINTENANCE

It is important to lubricate the chain located inside the Cone Lander at the very top on a weekly basis. This chain can be accessed by removing the back panel of the machine with a 5/32" Allen Wrench.

To avoid jams, ensure that your bottom tray, and the loading box you are using for your bottom tray, are free of material that could be carried over into the Cone Lander. Material should never be introduced to the machine or any of its internal components.

If your Cone Lander experiences a jam, follow these steps to resolve it:

1. **Power Off:** Turn off the machine and carefully remove any damaged or obstructing cones, paying close attention to the bottom row where jams often occur.
2. **Reset Position:** Turn the machine back on and allow it to reset to its default position.
3. **Cycle to Resume:** Run the Cone Lander through the same number of cycles as you did before the jam occurred to ensure normal operation resumes.



SAFETY PRECAUTIONS

General Safety:

- Only trained and authorized personnel are permitted to operate STM Canna pre-roll machinery
- Never operate the machinery if you are feeling unwell, fatigued, or under the influence of drugs and alcohol
- Familiarize yourself with the machine's operating manual and emergency shutdown procedures before operation
- Keep the work area clean and free of debris
- Report any malfunctions or safety hazards immediately to the supervisor
- Do not attempt to repair or modify the machinery unless specifically authorized and trained

Ventilation:

- All STM Canna pre-roll machines must be operated in a well-ventilated area. Ensure adequate airflow to minimize the accumulation of dust, kief, and other airborne particles. This may require the use of a local exhaust ventilation (e.g., dust collection systems) in addition to general room ventilation
- Regularly inspect and maintain ventilation systems to ensure their effectiveness

Personal Protective Equipment (PPE):

- The following PPE must be worn at all times when operating or near the STM Canna pre-roll machinery
 1. Safety glasses: ANSI Z87.1 approved safety glasses with side shields are required to protect against flying particles
 2. Dust Mask/Respirator: A NIOSH-approved N95 or higher respirator or dust mask is required to protect against inhalation of dust and kief. (Specify the appropriate respirator type based on risk assessment and consultation with safety professionals. Higher levels of protection, such as powered air-purifying respirator (PAPR), may be required depending on the environment and materials being processed.)
 3. Gloves: Appropriate gloves (e.g., nitrile, latex-free) should be worn to maintain hygiene and prevent contamination of the product
 4. Hearing Protection: If noise levels exceed 85 dbA, hearing protection (e.g., earplugs or earmuffs) must be worn. Conduct a noise assessment to determine the required level of protection
 5. Lab Coat/Smock: A lab coat or smock is recommended to protect clothing from contamination

Machine-Specific Safety:

- Include specific safety precautions for each model of STM Canna pre-roll machines. This should include information on emergency stops, pinch points, moving parts, electrical safety, etc. Consult the manufacturer's documentation for this information
- Never bypass or disable safety interlocks, sensors, or guards
- Ensure all guards and safety features are in place and functioning correctly before starting the machine
- Keep hands and other body parts away from moving parts
- Do not reach into the machine while it is operating
- Use caution when handling sharp objects or tools



SAFETY PRECAUTIONS

CONTINUED

Fire Safety:

- Keep flammable materials away from the machinery
- Ensure fire extinguishers are readily available and personnel are trained in their use
- In case of fire, follow established emergency procedures

Pre-Operation Checks:

- Inspect the machine for any damage or missing parts
- Ensure all safety guards are in place and functioning correctly
- Verify that the area around the machine is clean and free of obstructions
- Check the material to be processed for any foreign objects
- Turn on the ventilation system
- Put on required PPE

Operation:

- Follow the manufacturer's operating instructions for the specific machine model
- Do not force any parts of the machine
- If the machine malfunctions, stop operating immediately and report the issue to the supervisor

Post Operation:

- Turn off the machine and disconnect it from the power source
- Clean the machine according to the manufacturer's instructions
- Remove and dispose of PPE properly
- Clean the work area
- Record any issues or maintenance performed in the machine's logbook

Maintenance:

- Regular maintenance is crucial for safe and efficient operation
- Only trained and authorized personnel should perform maintenance on the machinery
- Follow the manufacturer's maintenance schedule and procedures
- Lock out and tag out the machine before performing maintenance
- Keep maintenance records

Emergency Procedures:

- In case of emergency (e.g., fire, injury, machine malfunction), follow established emergency procedures
- Immediately stop operation of the machine
- Notify the supervisor and first responders
- Administer first aid if necessary
- Document the incident

Training:

- All personnel operation or maintaining STM Canna pre-roll machinery must receive thorough training on this SOP, machine operation, and safety procedures

Purchasing Terms & Conditions

I hereby confirm that I have thoroughly reviewed and agreed to all terms and conditions herein:

1. I understand that 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.
2. I understand and agree that following the receipt of my 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.
3. I understand that if a deposit is applicable for any special reason, my deposit is non-refundable.
4. I agree 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:

1. A 12-month warranty on each product that is applicable with regards to manufacturer's defects, including parts and labor.
2. 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.
3. STM Tech department provides our clients with all software updates, phone support and onsite support, as needed.
4. Training with our technicians to train your staff on best practices to accomplish your desired results for a quality finished product.
5. 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 & Capabilities of Equipment

STM RocketBox Pro, RocketBox 2.0 & STM Mini-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.

Any and all RocketBox series machines must have liner bags in them during use or warranty will be voided. The RocketBox Pro and Mini use standard 10 gallon trash liners. The liners prevent material from getting inside the machine and for easy clean-up. The RocketBox 2.0, uses a 100 gallon liner. For more information, refer to the machines manual or reach out to Client Services.

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.`

STM Revolution 2.0 and Mini-Revolution

- With the STM Client Success Program, Pre-Grind Checklist and other guidelines provided, you will be able to achieve the highest quality and most consistent grind for your needs.
- For best results and ease of operation, humidity control is necessary. A 10% or lower moisture content is recommended. Although the Revolution may be able to operate at higher levels, it is not recommended and may cause clogs and overheating.
- Safety features are in place to ensure proper use of the machine and are meant to stop operation if handled/operated improperly. The display screen will notify the user if any features are not in the proper state.
- A regular cleaning routine should be in place to ensure proper function and longevity of the Revolution and its blades.
- A Pre-Grind Check List is conveniently located next to your display unit. (2.0. Version Only)
- Results are not guaranteed and can greatly vary from operation to operation.

STM LaunchPad

Installation is to be performed by STM canna Technicians Only

Confirm the installation location meets the following criteria:

- The surface is stable, level, and vibration-free.
- Away from direct sunlight, heat sources, and drafts.
- Climate control to maintain 64° f – 77° f operating temperature range with XX% humidity

- LaunchPad is accessible for routine maintenance and calibration.
- Be aware of the proximity to other equipment.
- Ensure the LaunchPad scale is positioned away from equipment that generates heat, vibration, or fumes.
- Confirm the shipping crate security seal is intact and that the LaunchPad scale has been in the final

Install location for 24 hours before the STM Canna technician's arrival

Verify Power Quality:

- The circuit is dedicated to the LaunchPad and has its own earth-ground probe.
- 110–120-volt AC at 15-20 amps. < 4VAC neutral to earth.
- STM Canna supplied a UPS/Surge protector between the outlet and LaunchPad scale.

Safety considerations: Prioritize safety during installation and operation:

- Follow proper lifting techniques when moving or installing the scale to avoid personal injury or damage to the equipment.
- Adhere to any safety protocols or guidelines specific to the lab environment, such as wearing appropriate personal protective equipment (PPE) when working with hazardous substances.

Atomic Closer and Astro Infuser

Safety considerations: Prioritize safety during installation and operation:

- Follow proper lifting techniques when moving or installing the scale to avoid personal injury or damage to the equipment.
- Adhere to any safety protocols or guidelines specific to the lab environment, such as wearing appropriate personal protective equipment (PPE) when working with hazardous substances.

TERMS OF BUSINESS & WARRANTY

Who is Covered: Please note that results with STM Canna & STM Supply products can yield varying results which 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 completely differently. We take no responsibility whatsoever for your results, only for the working functionality of our products. If you have any questions or concerns, please do not hesitate to talk to us about this very important disclaimer.

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 9:00am – 5:30pm Monday through Friday, Eastern 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 7 days. STM Canna & STM Supply reserve the right to specify collection by certified check, money order, or company check. Personal checks are not accepted.

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. For international orders, border and customs-related costs are the responsibility of the purchaser.

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.

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 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.

In the event of an approved refund or exchange at STM Canna's discretion, there will be a minimum 25% restocking fee.

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
2701 N Van Marter Rd
Spokane Valley, WA 99206

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.

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 us directly at (509) 204-3164 or email to clientservices@stmcanna.com.



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