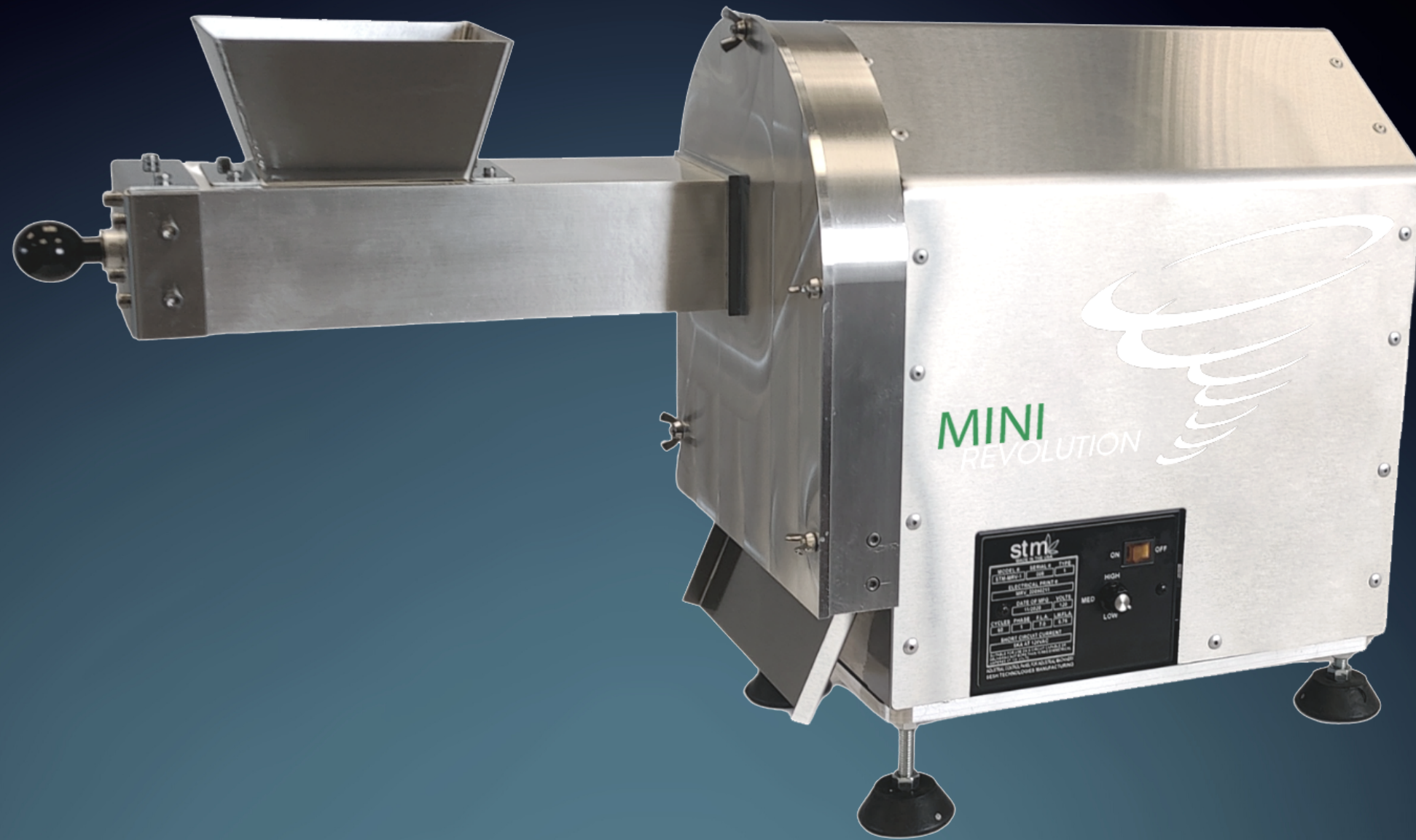




MINI-REVOLUTION

COMPACT GRINDING SOLUTION



MINI-REVOLUTION

USER MANUAL V1.0



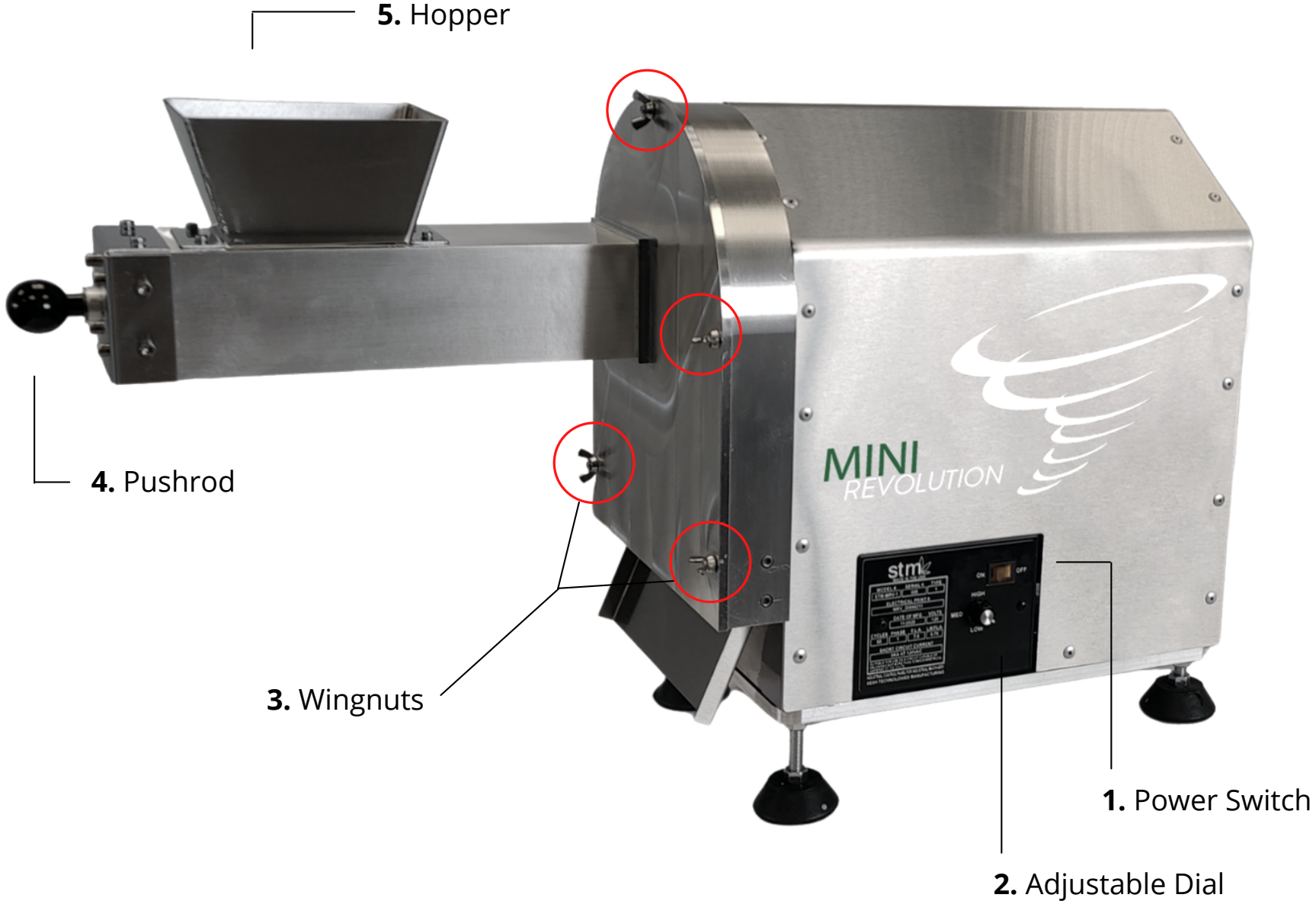
STM Canna

3038 E Trent Avenue, Suite C, Spokane, WA 99202

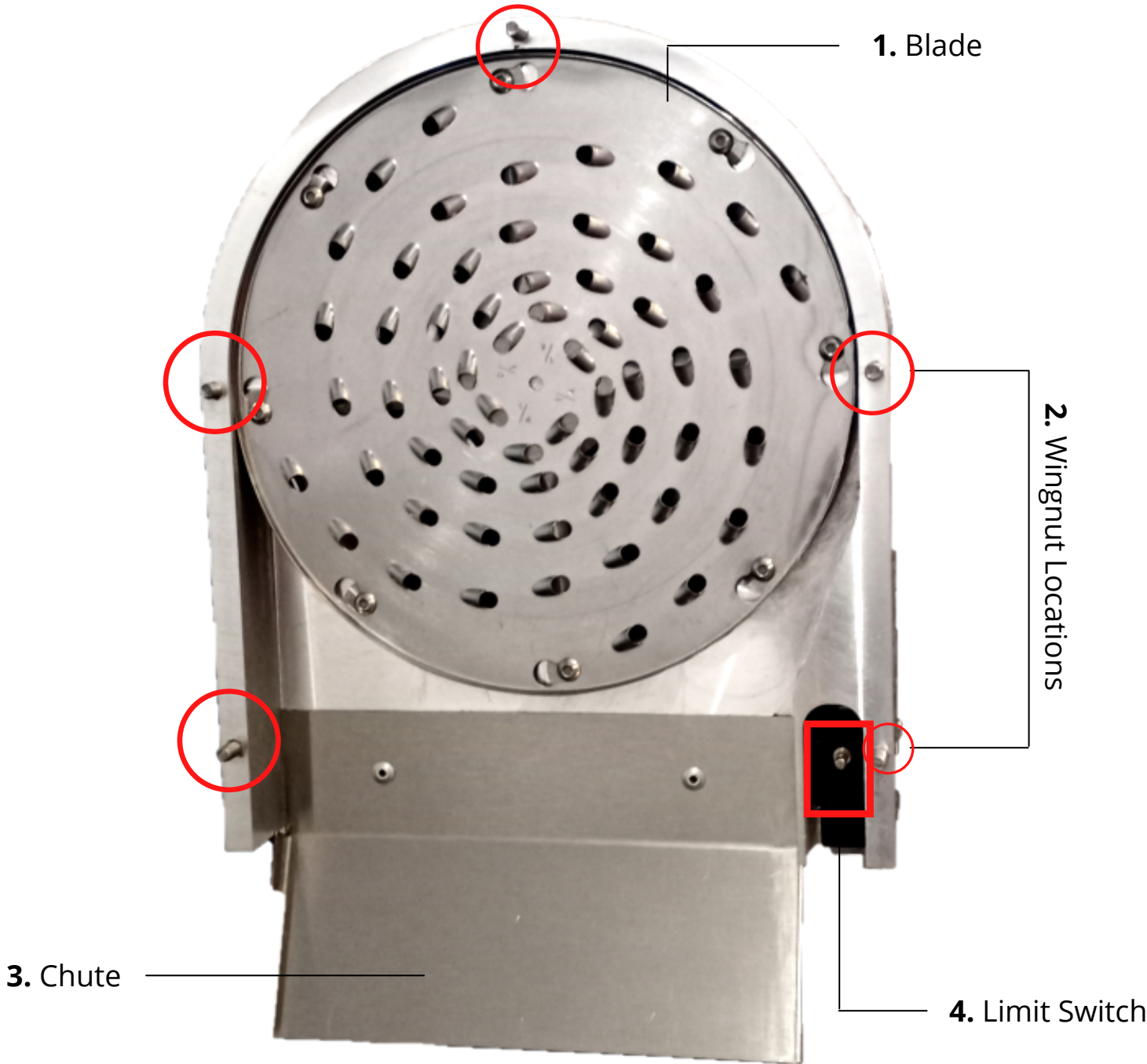
Phone: (509) 204-3168 | Web: www.stmcanna.com

WEIGHT & DIMENSIONS	Small Footprint Approx. 56 lbs 30" L x 17.5" H x 10-1/2" W
THROUGHPUT	Up to 1 lbs +/- every 2 minutes
POWER	Standard 110V .25 Horse Gear Motor with a 10:1 Ratio Full-Load 7 Amps (FLA) 5-1/2 ft. Cord Length
MATERIALS	Encased in SAE 304 Stainless Steel Aluminum & Other Food Grade Components 6061 Aluminum, Food-Grade Plastics
CYCLE CUSTOMIZATION	Single Cycle Operation with Variable Dial
SOFTWARE & UPGRADES	Manual Control Panel
TRAINING	Training Videos via Client Portal
COMPLIANCE	OSHA Compliant UL-Listed Components 100% Food-Grade
LIFE CYCLE	10 Years
OPERATION	Integrated Plunger System
POWER SUPPLY	CE,UL,EAC listed
LIMIT SWITCH	UL, CE listed
MOTOR	CE listed
ICE CUBE RELAY	CE, SA, EAC listed

Table of Contents	1	Blade Maintenance	8
Components	2	Backing Plate	9
Getting Started	4	Pushrod	10
Operation of The Machine	5	Hopper	11
Front End	6	Terms of Business	12
Density Testing	7		



- 1. Power Switch** - Turns the machine on and off.
- 2. Adjustable Dial** - Controls the blade speed
- 3. Wingnut** - 5 wingnuts hold the faceplate in place over the blade chamber.
- 4. Pushrod** - Easy to operate, lightweight pushrod allows easy feeding into the machine
- 5. Hopper** - A wide hopper entrance allows for a wide variety of material sizes



1. Blade - Grinds your material.

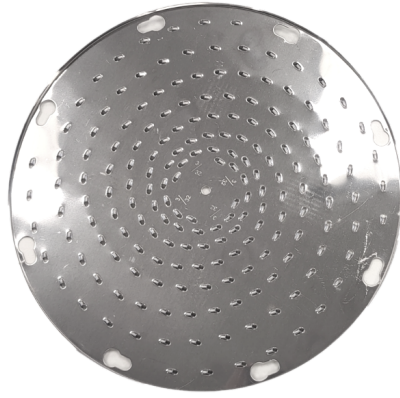
2. Wingnuts (5) - Line up your blade cover with these spots for reattachment.

3. Chute - Where material exits after grinding.

4. Limit Switch - This prevents the machine from running if the front end is not attached.



COARSE BLADE



FINE BLADE



COLLECTION BIN

IMPORTANT! Always unplug machine before disassembly.

PREPARING WORK AREA

Your Mini-Revolution™ is equipped with 4 legs that grip most surfaces for easy placing. We suggest setting up your processing area as follows.

Material Prep Area

Material Prep for Mini-Revolution™ use.

Mini-Revolution Area

For trained person(s) to operate the Mini-Revolution™.

Loading Area

Dedicated to housing your material for loading.

Unloading Area

Dedicated to unloading your freshly ground material into



CONTROL PANEL

SUGGESTED TOOLS AND ACCESSORIES

- Scoop for Material
- Shop Vac
- Stainless Steel Cleaner
- 70%+ Isopropyl Alcohol
- Moisture Reader
- Spray Bottle
- 4" Stain Proof Paint Brush
- Collection Bin

POWERING ON THE MINI-REVOLUTION

- 1 Power on the Mini-Revolution™ by plugging it into a 120v outlet.
- 2 Press the orange button to the ON position.

USING THE MINI-REVOLUTION™

- 1 Turn on power and adjust your speed dial to 10 or "HIGH". Maximum power is achieved by turning the dial fully clockwise.
- 2 Pull the pushrod back and insert material into the hopper.
- 3 Push material forward with the pushrod into the blades. **Only fill enough where the material is even with the bottom of the hopper.**
- 4 Pull pushrod back after material has been fed. **Repeat steps 2-4 until your desired amount of material is ground.**
- 5 Sift material with a sieve and use as desired.



Helpful Tips

- Sift material for better quality pre-rolls.
- Refer to density training videos for desired weight and results. bit.ly/rb2-density-testing

IMPORTANT! Ensure your moisture content is between 7-10% to prevent clogs.

Your Mini-Revolution™ comes equipped with an easy feed hopper, variable speed levels, and easy accessibility to your blade area making cleaning a breeze. The front end is able to be easily removed and reattached for easy cleaning and maintenance.

FRONT END IS EQUIPPED WITH

- (5) Wingnuts
- Front End Plate with an easy feed hopper
- Pushrod to move material into your blades

ATTACHING THE FRONT END

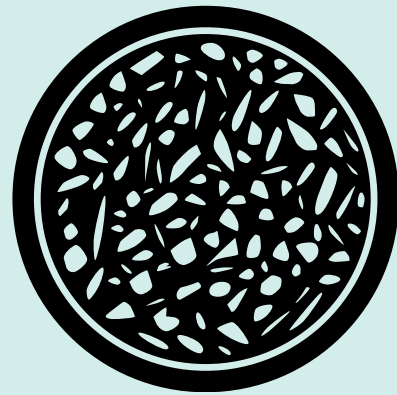
- 1 Align the 5 holes from the front end of the machine with the 5 bolts located around the blade chamber.
See components from photo guide.
- 2 Slip the front end over these bolts and secure the wingnuts tightly.

REMOVING THE FRONT END

- 1 Loosen and remove the (5) wingnuts from the bolts located on the front end of the machine, around the edge of the front of the machine.
- 2 Hold on to the Hopper and pull back on the front end of the machine to remove the front plate.
- 3 This will expose the blade, blade chamber, and safety limit switch.

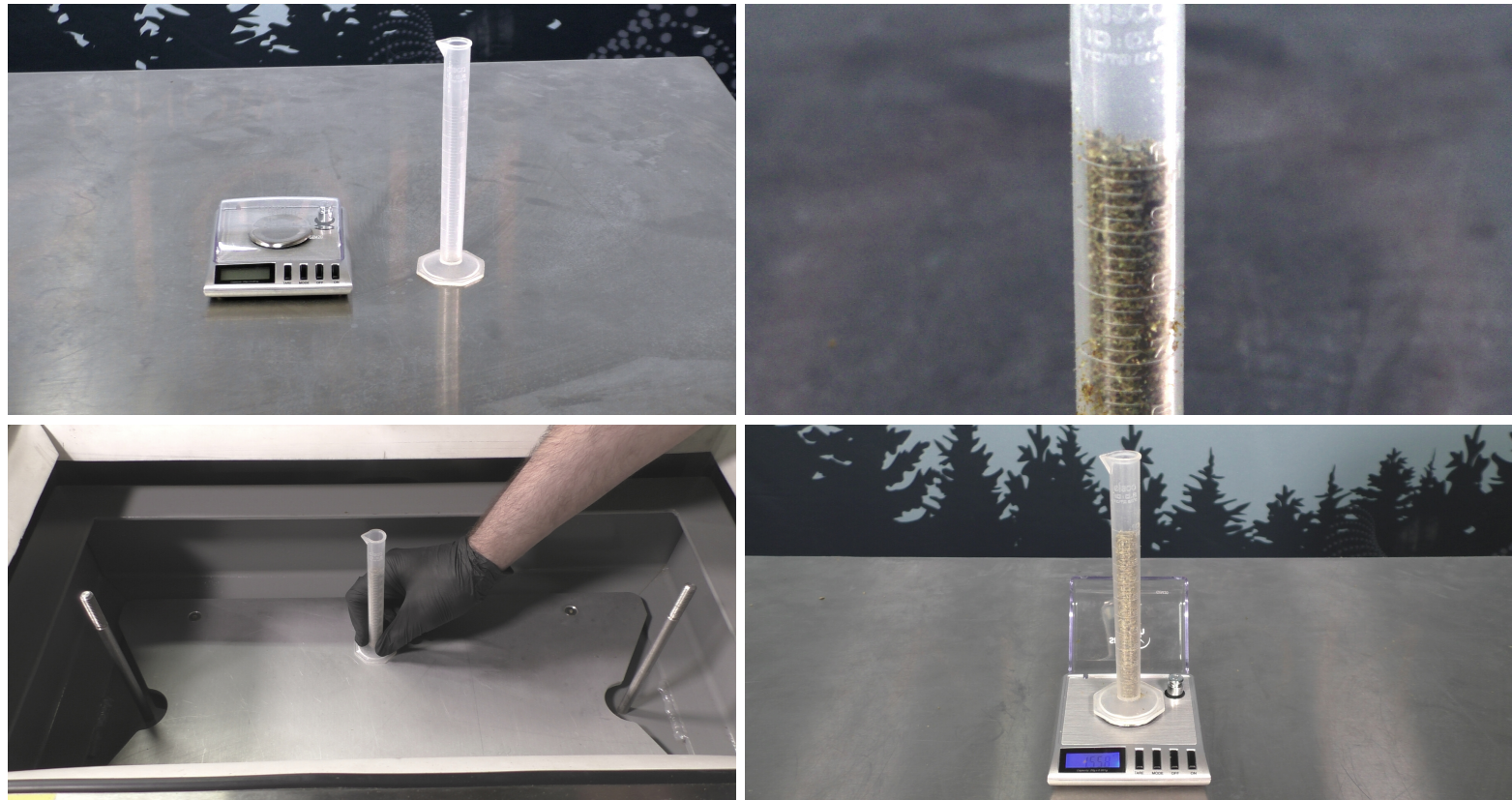
IMPORTANT! Always unplug machine before disassembly.

FOR ROCKETBOX USERS ONLY



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).



PERFORMING A DENSITY TEST

- 1 Tare empty 10 mL beaker on thousandths scale.
- 2 Fill the included beaker up to the 10 mL line with ground material.
- 3 Add material to the beaker until it reaches the 10 mL fill line and turn the machine to High, hold for one minute.
- 4 Continue adding material until it settles at the 10ml fill line while the beaker is vibrating in the machine.
- 5 Remove beaker from machine and place onto the scale with torn beaker weight. Weigh beaker with material inside on the thousandth scale.

Helpful Tips

- Repeat density test 3x and average for optimal results.
- It is recommended to use a thousandths scale for accuracy.

REMOVING THE BLADES

- 1 Using a 1/8" Allen Wrench, begin to loosen the (8) Blade locking bolts located on the outside edge of the Blade.
- 2 Unscrew the bolts halfway and twist the Blade by hand counterclockwise, to release the Blade from the locking holes for the bolts.
- 3 Pull the Blade away from the machine and bolts to remove it.

ATTACHING THE BLADES

- 1 Hold on to the Backing Plate and keep it in place while installing the Blade.
- 2 Place Blade on to loosened (8) Blade locking bolts. Turn the Blade clockwise on the Blade locking bolts until the Blade comes to a stop against the bolts.
- 3 Press the center blade hole onto the nipple of the center drive shaft. This allows for the disc to become perfectly center every time.
- 4 Screw-in and tighten the (8) Blade Locking Bolts to the Blade using a 1/8" Allen Wrench.

SUPPLIES YOU'LL NEED

- 1/8" Allen Wrench
- Diamond Cut-proof gloves
- Spray bottle of Isopropyl Alcohol
- Stain-proof paintbrush
- Microfiber soft cloth
- Dish soap (optional)

CLEANING THE BLADES

- 1 Use your paintbrush to remove excess material from your Blade.
- 2 Spray your Blade with Isopropyl Alcohol and allow it to sit for 10-15 seconds.
- 3 Using a microfiber soft cloth buff away any residue and wipe clean.

For a deeper clean, your blades can be scrubbed with a nylon brush and dish soap.

IMPORTANT! Always unplug machine before disassembly.

SUPPLIES YOU'LL NEED

- 1/8" Allen Wrench
- Spray bottle of Isopropyl Alcohol
- Stain-proof paintbrush
- Microfiber soft cloth
- Dish soap (optional)

CLEANING THE BACKING PLATE

- 1 Use your paintbrush to remove excess material from your backing Plate.
- 2 Spray your Backing Plate with Isopropyl Alcohol and allow it to sit for 10-15 seconds.
- 3 Using a microfiber soft cloth buff away any residue and wipe clean.

For a deeper clean, your Backing Plate can be scrubbed with a nylon brush and dish soap.

IMPORTANT! Always unplug machine before disassembly.

REMOVING THE BACKING PLATE

- 1 After following the "Removing the Blades" section you can now remove the Backing Plate.
- 2 Using a 1/8" Allen Wrench, remove the (4) bolts located in the center of the Backing Plate.
- 3 Once the (4) bolts have been removed, pull the Backing Plate from the machine.

ATTACHING THE BACKING PLATE

- 1 Place the Backing Plate on to motor drive arm.
- 2 Insert the (4) bolts that were taken out with the 1/8" Allen Wrench in the (4) holes located in the Backing Plate.
- 3 Screw in and tighten the (4) bolts in the Backing Plate to the machine to lock into place.

SUPPLIES YOU'LL NEED

- 5/16" Allen Wrench
- 5/32" Allen Wrench
- Spray bottle of Isopropyl Alcohol
- Stain-proof paintbrush
- Microfiber soft cloth
- Dish soap (optional)

CLEANING THE PUSHROD

- 1 Use your paintbrush to remove excess material from your Pushrod.
- 2 Spray your Pushrod with Isopropyl Alcohol and allow it to sit for 10-15 seconds.
- 3 Using a microfiber soft cloth buff away any residue and wipe clean.

For a deeper clean, your Pushrod can be scrubbed with a nylon brush and dish soap.

IMPORTANT! Always unplug machine before disassembly.

REMOVING THE PUSHROD

- 1 The faceplate of the Hopper is located where the handle of the Pushrod meets the Hopper. Remove the (6) - 5/32" bolts from the front plate on the Hopper.
- 2 Remove the faceplate after bolts have been removed by pulling the Pushrod out of the Hopper.
- 3 Remove the face of the Pushrod by using a 5/16" Allen Wrench. Face Plate can now be removed.

ATTACHING THE PUSHROD

- 1 Place face plate back onto Pushrod handle.
- 2 Attach the face of the Pushrod by screwing in the 5/16" bolt into the face of the Pushrod. Place Pushrod back into the Hopper.
- 3 Line up the holes in the faceplate with the holes in the front of the Hopper and screw in the (6) - 5/32" bolts until tight and secure.

REMOVING THE HOPPER

The faceplate of the Hopper is located where the handle of the Pushrod meets the Hopper. Remove the (4) - 5/32" bolts from the front plate on the Hopper.

ATTACHING THE HOPPER

The faceplate of the Hopper is located where the handle of the Pushrod meets the Hopper. Reattach the (4) - 5/32" bolts from the front plate on the Hopper.

SUPPLIES YOU'LL NEED

- 5/16" Allen Wrench
- 5/32" Allen Wrench
- Spray bottle of Isopropyl Alcohol
- Stain-proof paintbrush
- Microfiber soft cloth
- Dish soap (optional)

CLEANING THE HOPPER

- 1 Utilize compressed air if possible to remove any dry debris. If no compressed air a dry microfiber rag or paper towel can used.
- 2 Spray your Hopper with Isopropyl Alcohol and allow it to sit for 10-15 seconds. Wipe clean.

For a deeper clean, your Hopper can be scrubbed with a nylon brush and dish soap.

All orders are required to electronically agree to our terms by clicking "I agree" during the checkout process in our online store. All completed orders, whether "Paid" or "Awaiting Payment" agree to and are held to our Terms of Business.

All STM systems carry a limited one-year warranty against defects in workmanship and/or materials. Accessories are excluded from this warranty.

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. STM Canna & STM Supply reserve the right to specify collection by certified check, money order, or company check. Personal checks are not accepted. 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.
- STM Tech department provides our clients with all software updates, phone support and virtual support, as needed.
- 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 MINI-REVOLUTION

With our detailed manual and training videos you can expect 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 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. 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?

This warranty covers the original purchasing company, unless otherwise discussed prior to the sale and authorized in writing by STM Canna & STM Supply. Warranties do not transfer for resold machines regardless of age of the model.

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

EXTENT OF WARRANTY

There are no warranties on paper products. Machines come with 1-year parts and labor warranty. Accessories are excluded from this warranty. See Returns on Page 16.

VOIDABLE ACTIONS

- Abuse, misuse, improper installation, and modifications.
- Custom applications.
- No proof of purchase at the time of warranty. The 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 gray-market products purchased through a dealer/distributor not authorized for your country will not be supported by this warranty.
- Electrical parts are not covered under warranty.

SHIPPING

All orders must be paid in full before the order is shipped. 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. Since the ownership of product transfers at the FOB point, claims for damaged, lost, or short shipments must be made at the time of receipt. We provide a disclaimer in your tracking email located at the bottom that states: "If your order arrives damaged, please do not accept the shipment. If the shipment is accepted and your items are damaged you will be responsible for filing a claim with the carrier. We always advise, if possible, to keep the carrier there so you can unpack your order to ensure it is complete and undamaged."

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.

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@stmcanina.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.

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 by 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% restocking 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, videos, 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
3038 E Trent Avenue, Suite C
Spokane, WA 99202

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.