



USER MANUAL

Roll Model 300

Amsterdam, LLC



Table of Contents

PARTS OF THE TABLE	2
Figure 1 - Full Machine Assembly.....	2
Figure 2 - Metering Tray.....	2
Figure 3 - Loading Tray and Midplane.....	3
Figure 4 - Vibrating Tray and Vibrating Base.....	3
Figure 4a - Cone Loading Position.....	4
Figure 4b - Cone Vibrating Position.....	4
Figure 5 -View of Full Machine Set Up and Extra Holding Tray.....	5
Figure 8 - The Rheostat.....	5
How to Install	6
How to Use.....	6
INSTALLING THE MACHINE	6
In The Box.....	6
Required Equipment Not Included.....	6
Choosing Device Location.....	7
CREATING A PACKING PROCESS	7
Variability in Product.....	7
PACKING PROCESS	8
Shortened Example Process.....	8
How to Weigh Out Material.....	9
Loading Cones.....	9
Loading of Product with Metering Tray.....	9
Finishing Loading and Packing.....	11
Unloading Pre-rolls.....	11
CLEANING THE MACHINE	11



PARTS OF THE TABLE



Figure 1 - Full Machine Assembly

Note: This front view is how the machine should be positioned prior to processing pre-rolled cones.



Figure 2 - Metering Tray

Note: This image is of a demo tray. The Roll Model 300 has a 300 hole metering tray.

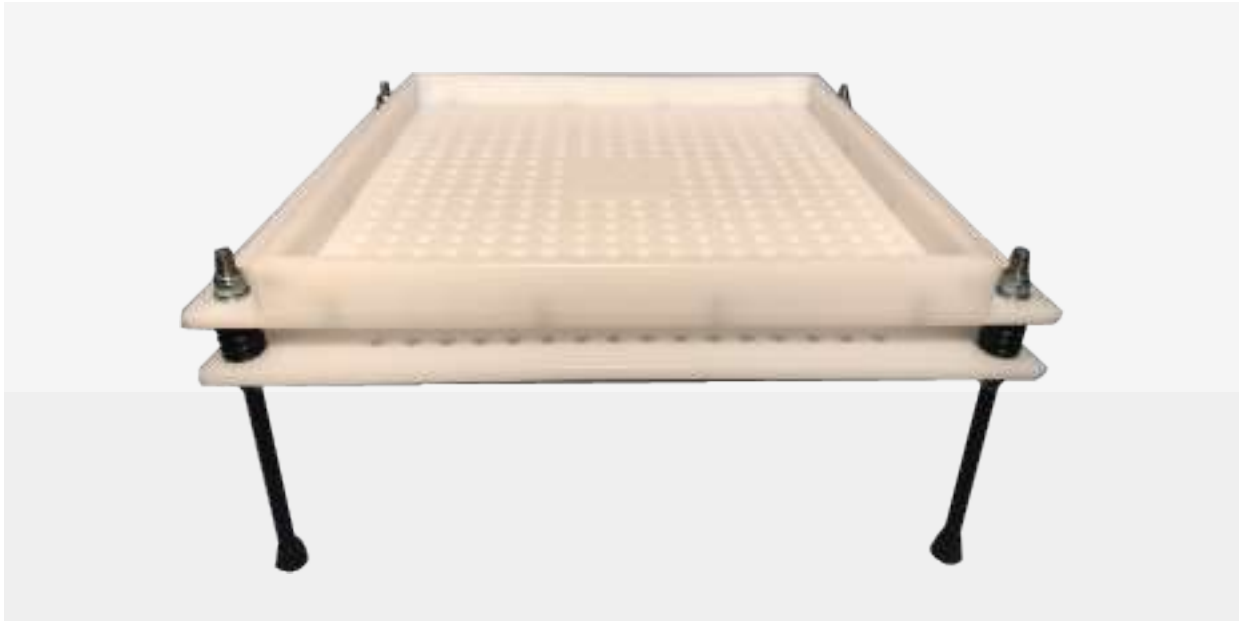


Figure 3 - Loading Tray and Holding Tray

*Note: The Loading Tray is the top sheet of plastic shown, with an outside lip to keep material in the loading area.
Holding Tray is the lower sheet of plastic to keep cones vertical and to aid in unloading of cones.*



Figure 4 - Vibrating Tray and Vibrating Base

Note: The Vibrating Tray has a lip to catch any extra material and is located above the Vibrating Base.



Figure 4a - Cone Loading Position

*Specifically Depicted: Base Side Knobs must be in the **UP POSITION** for Vibrating Tray to be in **DOWN POSITION**.*



Figure 4b - Cone Vibrating Position

*Specifically Depicted: Base Side Knobs must be in **DOWN POSITION** for Vibrating Tray to be in **UP POSITION**.*



Figure 5 - View of Full Machine Set Up and Extra Holding Tray

Note: Holding Tray full of packed cones is pictured left, full machine set up is pictured right.



Figure 8 - The Rheostat

Description: (pronounced Ree-oh-stat) This device is used for adjusting the intensity of the vibration necessary for packing material into the cones.



How to Install

Plug the male end of the vibrating motor into the outlet on the lower end of the rheostat. Plug the rheostat into a standard wall outlet.

How to Use

When the switch (shown at the top in Figure 8) is centered, the device will remain off. To turn on vibration, push this rocker switch: choose FULL (depicted by Roman numeral “I”) or VAR (Variable, depicted by Roman numeral “II”) vibration. **The “Variable” setting is the suggested setting for the Roll Model 300**1.**

The round dial on the Rheostat allows the user to change the intensity of the vibration by choosing any speed from LOW (dial turned all the way counterclockwise) to MEDIUM (dial indicator pointing straight up) to HIGH (dial turned all the way clockwise). **Having the knob centered (pointing to “MEDIUM”) is the suggested setting for the Roll Model 300****

INSTALLING THE MACHINE

In The Box

The following products come with your Roll Model 300 Package:

- (1) Metering Tray
- (1) Loading Tray
- (2) Holding Trays
- (1) Vibrating Base with Vibrating Tray and motor
- (2) Foot Locators
- (1) Rheostat

Required Equipment Not Included

- Standard 120V AC Three-Prong Power Outlet
- Level, Non-Vibrating Surface
- Cones²
- Pre-processed Material for Packing³
- Clock (with a seconds hand) for timing vibration
- Scale (with a tenth of a gram minimum accuracy) for metering

^{1**} Refined Processing suggests each user test their product on different Rheostat settings on a small batch, to determine the packing process method they prefer for each type of material (See Creating Packing Process section for more information). Method may vary by strain and grind and will require some testing to achieve uniformity.

² Roll Model 300 works with 1g size cones from the brands Cones and Raw; for other sizes/brands a custom metering/loading tray may be necessary.

³ Different grind processing and material characteristics (density, dryness, etc) may affect how the machine is used to achieve maximum efficacy.



Choosing Device Location

Choosing an appropriate surface and location for device setup plays a significant part in the efficacy, noise reduction, and longevity of your device. The Roll Model 300 has rubber feet and dampeners to aid in these processes, but the proper location is paramount.

The device must be placed on a surface that will not impact the independent vibration of the machine. Plastic tables are typically not a sturdy enough surface for uniform vibration of the Roll Model 300. The surface must be flat and close to level so that metering and vibration remains uniform. **Manufacturer suggested location is a non-carpeted floor or on a waist-high wood or metal table.**

(2) Foot Locators are included with your device. Mount on your chosen device surface to help quickly locate foot placement of Vibrating Table and Loading Tray. **Manufacturer suggested location for mounts are opposite corners of the Roll Model 300's feet on the diagonal.**

Make sure that the device location is within a safe distance of an electrical outlet so you can plug in your device without the rheostat hanging or placing additional pressure on the motor plug-in. **Manufacturer suggested location for the mounting surface is close to a surface to avoid any trip hazards that may affect machine use.**

CREATING A PACKING PROCESS

Manufacturer suggests that the User complete several small batch trial runs prior to their first full batch use AND prior to introduction of new strains of material in order to ensure efficacy of the machine. There will be expected variations in methodology due to User desired outcome (pack) and material (product strain/grind/dryness and cone brand). Use the "Packing Process" section of this manual as a guide to completing small batch test runs in order to determine your desired end process.

Variability in Product

How you run the machine will vary depending on your material. Different grinds may necessitate more or fewer metered loads or longer vibration periods; likewise, variations in strain characteristics like texture and density may also affect your process.

PACKING PROCESS

For the purposes of explanation and the manufacturer's baseline observations, certain weights and amounts of time will be used in the example below; however, the User will need to create their own process (see "Creating Packing Process" section). Anything highlighted below should be used as a starting number to refine your processing solution.



Shortened Example Process

1. Grind the material.
2. Weigh out the material into 4 equal amounts of 75g each
3. Load the cones into the holes in the Loading Tray, with the base side knobs in the UP position. Make sure all the cone rims are flush with the surface and not bent.
4. Lay the metering tray on top of the loading tray and slide it so the holes are in the “closed” position (i.e., you can’t see the cones).
5. Add 75g of material onto the metering tray and push it around lightly to fill each open metering tray hole equally.
6. Once the material is equally distributed, slide the metering tray into the “open” position and tap the top of the metering tray to ensure all material drops into the cones.
7. Slide the metering tray back into the “closed” position, add another 75g batch of material and equally distribute.
8. Again, once equally distributed, slide the metering tray into the “open” position and tap the top of the metering tray to ensure all material drops into the cones.
9. Remove the Metering Tray.
10. Flip the base side knobs to the DOWN POSITION to partially raise the cones above the surface of the Loading tray.
11. Turn on the rheostat to vibrate the loaded cones for 30 seconds.
12. Flip the base side knobs to the UP POSITION to lower the cones back down and make sure that all of the cone rims are flush with the top of the Loading Tray surface. Pat down and fix any bends in the cones.
13. Repeat steps 4-6.
14. Remove the Metering Tray and flip the base side knobs to the DOWN POSITION to partially raise the cones above the surface of the Loading tray.
15. Turn on the rheostat to vibrate the loaded cones for 30 seconds.
16. Repeat steps 12 and 13.

How to Weigh Out Material

The Metering Tray is designed to meter equal amounts of ground material per hole⁴ in 3 to 4 separate loads. There are 300 holes in the Metering Tray. One Metering Tray load may use roughly .25g of material per hole, so $300 \times .25g = 75g$ of material per load. Four loads of .25g each will result in 1g filled pre-rolls (+/- 0.1g). It is recommended that before the machine is used to load a set of cones, four separate containers each with 75g of material (or however much is necessary for your packing process), be ground and weighed and placed in a convenient location. The Manufacturer also suggests that you have a small container of 5-10g of material on hand for filling any holes that have been under-filled.

⁴ This measurement is very dependent on individual product strain characteristics and style of grind.



Loading Cones

Flip the base side knobs to the **UP POSITION** (i.e., **to lower the Vibrating Tray to the DOWN POSITION**, see Figure 4a). Insert the desired number of cones into the Loading Tray (see Figure 5). Make sure that the Metering Tray is removed from the Loading Tray surface before inserting the cones into the Loading Tray. The Manufacturer recommends wearing nitrile or latex gloves for cleanliness, when handling pre-rolls and material.

After loading is complete, the tops of some cones may be sitting above the top surface of the Loading Tray. Use the palms of your hands to gently press down on the tops of the cones until every cone is sitting at or below the top surface of the Loading Tray.

It is very important that the tops of all of the cones are sitting at or below the top surface of the Loading Tray. Any cones left sticking above the top surface of the Loading Tray may be damaged when the Metering Tray is placed onto this surface (see Fig. 5 for proper loading of cones).

Loading of Product with Metering Tray

After cones are properly inserted into the Loading Tray, place the Metering Tray onto the Loading Tray. The Metering Tray has two positions when it is on the Loading Tray, those positions are: “Open”, and “Closed”. The table is designed so that the Metering Tray can be shifted from Open to Closed by sliding the Metering Tray away from you or pulling it towards you. The Open position is achieved when the holes in the Metering Tray align with the holes in the Loading Tray. The Closed position is achieved when the holes in the Metering Tray are completely offset from the holes in the loading tray (i.e., you can’t see the tops of the cones in the Loading Tray)..

Before adding material to the Metering Tray, always be sure that the Metering Tray is in the **CLOSED POSITION**. Pour the first container of **75g** of material onto the Metering Tray. Try to distribute the material evenly across the surface of the Metering Tray. Using a spreading device such as a squeegee or scraper, gently brush the material around the Metering Tray until all of the material has been deposited into the holes in the Metering Tray. It is important to brush the material gently as pressing too hard may lead to over-packing some of the holes. After all of the material has been deposited into the holes in the Metering Tray, add more material as necessary to any holes that are obviously under-filled, and take note of this addition. If all of the holes are filled and there is still material sitting on the Metering Tray, remove this material from the Metering Tray surface and take note of this for the next cycle.

NOTE: In order to achieve maximum efficiency, the user must pay attention to how each strain and grind reacts to the metering holes. If 75g is consistently 2g short of filling the Metering Tray for a certain strain, take note and weigh 77g



per load when using that strain. Significant time savings will be achieved by not having to add or remove material from every load.

Once the Metering Tray is properly filled with material, slide the Metering Tray into the **OPEN POSITION** and tap the top of the Metering tray until all of the material has been deposited into the cones. At this point, all of the cones should contain roughly 0.25g of material. Next, slide the Metering Tray back into the **CLOSED POSITION** and repeat the load. At this point, all of the cones should contain roughly 0.5g of product.

NOTE: For most strains/grinds it is recommended that two loads of 75g are metered before turning on the vibration and packing the pre-rolls. However, it may be found that for certain strains/grinds vibration after the first 75g is required. Conversely, it may be found that for certain strains/grinds vibration is not required until the third load of 75g.

Packing

Remove the Metering Tray from the Loading Tray surface and flip the base side knobs to the **DOWN POSITION** (i.e., **to raise the Vibrating Tray into the UP POSITION**, see Figure 4b). It is very important that the Metering Tray be removed from the Loading Tray before flipping the base side knobs to the **DOWN POSITION** to raise the Vibrating Tray, otherwise all of the cones will be damaged. Once the base side knobs are in the **DOWN POSITION**, get the Rheostat (Figure 8) and choose the appropriate setting for the strain/grind being used. It is recommended that you start packing with the Rheostat in the low position (i.e., with the Rheostat dial turned all the way counterclockwise to the “L” position) and then slowly turn the dial clockwise to increase the vibration intensity until it reaches the desired vibration level. Full intensity (i.e., Rheostat dial turned all the way clockwise to the “H” position) is not recommended as this vibration intensity can damage cones.

Use the Rheostat to pack the pre-rolls between 30 seconds and 1 minute, depending on the material strain/grind being used. The user must pay attention and take note of results as over/underpacking can produce an undesirable final product.

After packing is complete, be sure to flip the base side knobs back to the **UP POSITION** (i.e., **to lower the Vibrating Tray to the DOWN POSITION**, see Figure 4a) and use your hands to press down on the tops of the cones so that they sit flush with or below the top surface of the Loading Tray. Again, make sure that all cones are sitting flush with or below the top surface of the Loading Tray before placing the Metering Tray on the Loading Tray, otherwise the pre-rolls could be damaged.

Finishing Loading and Packing

Repeat Loading & Packing until the desired amount of material has been deposited into the cones. To summarize, it is recommended that the following metering/packing schedule be followed to produce 1g pre-rolls:



- Meter first 75g load - now roughly 0.25g is in each cone
- Meter second 75g load - now roughly 0.5g is in each cone
- Vibrate for 30 seconds to 1 minute
- Meter third 75g load - now roughly 0.75g is in each cone
- Vibrate for 30 seconds to 1 minute
- Meter fourth 75g load - now roughly 1g is in each cone
- Vibrate for 30 seconds to 1 minute

NOTE: Exact metering/packing schedule should be determined by the user depending on the strain/grind being used.

Unloading Pre-rolls

After the final packing cycle, leave the base side knobs in the UP POSITION (i.e., **so the Vibrating Tray remains in the DOWN POSITION**, see Figure 4a), and lift the Loading Tray off of the Holding Tray and set aside. All of the cones will remain in the Holding Tray being supported by the Vibrating Tray/Base. Now lift the Holding Tray (with packed cones) from the support of the Vibrating Tray/Base and set in desired location for secondary processing such as weighing and twisting cones closed.

At this point, in order to start the next round of loading and packing, place auxiliary Holding Tray in position above Vibrating Tray/Base and replace Loading Tray. The machine can now be reloaded with cones and the next packing operation can begin.

CLEANING THE MACHINE

Cleaning of the machine can be done as frequently as necessary. It is recommended that the underside of the Metering Tray and the top surface of the Loading Tray be cleaned regularly as the sliding of these two surfaces can become more difficult if there is a buildup of material. It is generally recommended to pay attention to any excessive buildup of material as this could inhibit the efficiency of the machine and the motor.

All surfaces of the machine are either Food Grade Plastic or Stainless Steel and can be cleaned with isopropyl alcohol without causing any harm to the machine. However, it must be noted that rigorous cleaning with a rigid tool could damage the plastic so it is recommended that only soft brushes and tools be used for cleaning the machine.