

CANNABIS TUMBLER USER MANUAL



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This manual covers:

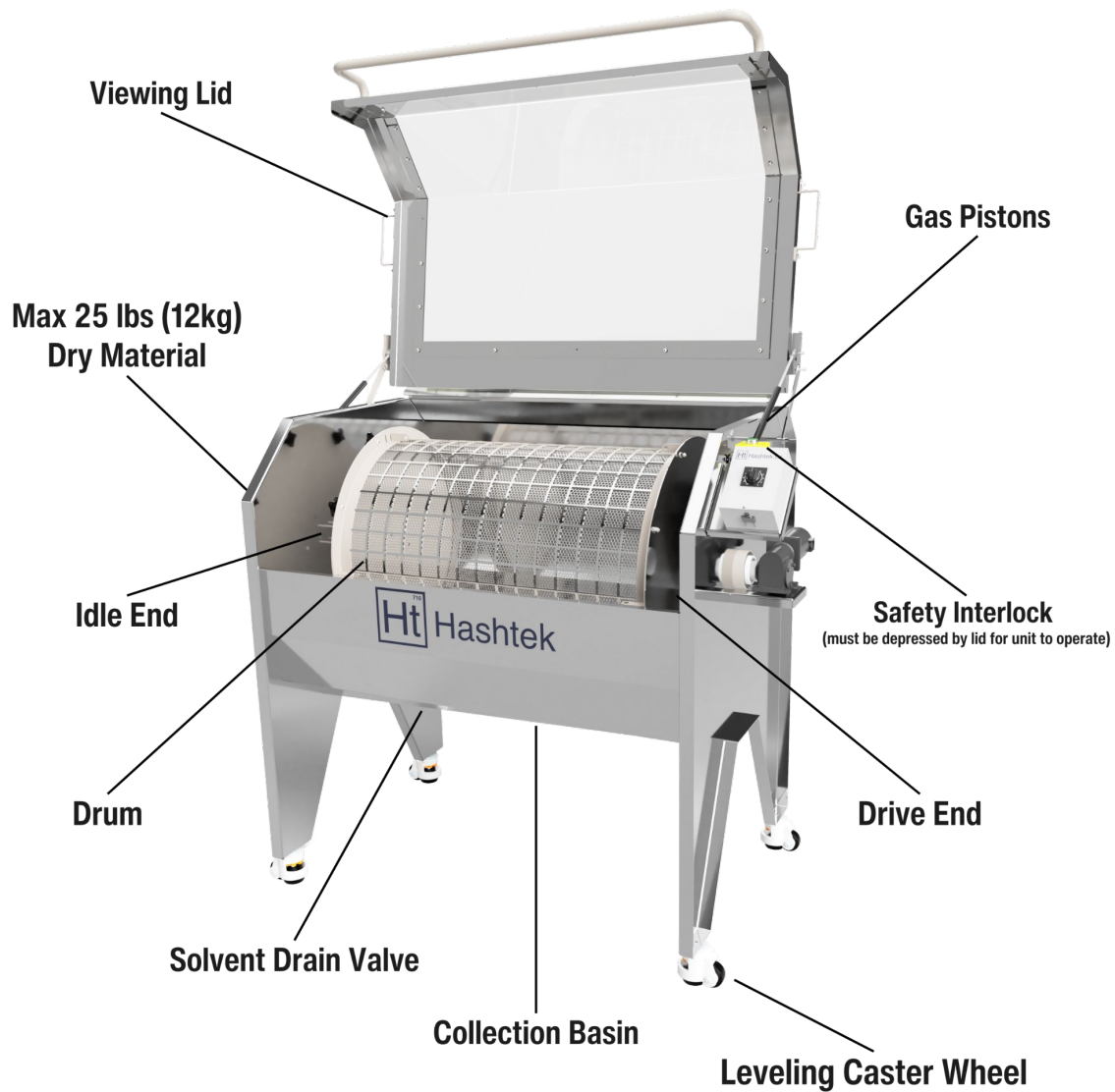
- **Hashtek A-Series Extra Wide** (Analog 2.0, LCD)
- **Tank sizes:** 30a, 50a, 65a

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SETUP DIAGRAM

This manual covers both standalone A-Series units and the Legendary Bundle shown below



GLOSSARY & TERMS

Agitation Drum (Mesh Drum): Cylindrical stainless drum with fine mesh sides that holds cannabis material during tumbling.

Drive End: The powered side of the tumbler where the motor and gearbox rotate the drum.

Idle End: The free end of the drum, supported by a bearing, that carries the load during rotation.

Hoist Bar / Lifting Bar: The bar used with a hoist or lift system to safely remove or reinstall the drum for loading and cleaning.

Polycarbonate Lid: Transparent lid that covers the drum opening, allowing visibility while containing biomass and kief.

Bleed Valve: Small valve used to control or release cleaning liquid from the system during clean-in-place (CIP) processes.

CIP (Clean-in-Place): A method of circulating cleaning solutions through the tumbler without disassembly, simplifying the deep cleaning process.

Speed Control Dial: Analog dial that adjusts motor speed for gentle or aggressive tumbling.

Safety Interlock System: The tumbler will only run when the **green safety button** is depressed and the lid is closed. Opening the lid immediately stops tumbling for operator safety.

Kief: The resinous trichome glands separated from cannabis material during tumbling.

Dry Ice (Optional): Solid CO₂ used by some operators to enhance separation in non-cold room environments. Must be handled with care due to frostbite and CO₂ buildup risks.

INTRODUCTION

The **Hashtek Cannabis Tumbler** is a professional-grade system designed for efficient mechanical separation of trichome heads. By gently tumbling biomass inside a precision-engineered stainless mesh drum, the system produces clean kief with minimal operator effort.

While optimized for cannabis, the Tumbler's highly controllable design also makes it suitable for other botanical separation applications. Its rugged 304 stainless construction, polycarbonate lid, and precision drive system ensure durability and consistent performance in commercial environments.

SAFETY

 **Read this section before operating. Failure to follow safety guidelines can result in injury or equipment damage.**

- **Hands Clear:** Never place hands or tools inside the drum while the tumbler is operating. 🖐️
- **Safety Interlock:** The system will only run with the **green safety button** depressed and the lid closed. Opening the lid immediately stops tumbling. ✅
- **Electrical:** Operates on standard 115V grounded power.
- **Water & Cleaning:** Operate in a dry space and keep electrical connections away from water. Use only approved CIP cleaning solutions. 💧
- **Cold Hazards:** If dry ice is used, avoid direct skin contact to prevent frostbite. Ensure proper ventilation to prevent CO₂ buildup. 🧊
- **Heavy Components:** The drum and hoist system are heavy. Use proper lifting techniques and equipment; never lift the full drum alone.
- **Solvent Safety:** If solvents (e.g. diluted isopropyl) are used for spot cleaning, ensure excellent ventilation and follow all local safety codes.
- **Ventilation:** Always operate in a well-ventilated room, especially if using dry ice, to avoid CO₂ accumulation.

 **Tip:** For safer and easier drum handling, consider adding the **Hashtek Tumbler Hoist**, designed to streamline loading and unloading.

TUMBLER HOIST

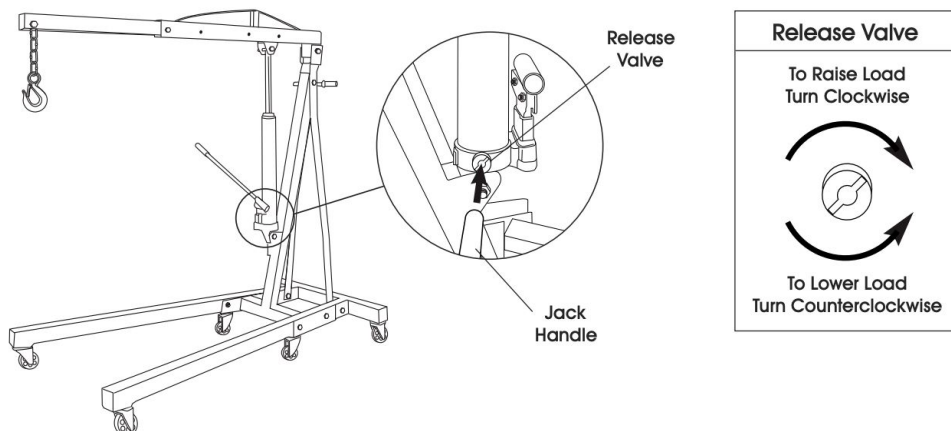
The Hashtek Tumbler Hoist is designed to make loading and unloading your Cannabis Tumbler safer, faster, and more ergonomic. While optional, we strongly recommend it for operators running frequent cycles or handling heavier biomass loads.

Key Benefits

- **Safe Handling:** Reduces strain when lifting or dumping the drum, lowering risk of injury.
- **Tilt Function:** Allows controlled loading of biomass into the drum and easy dumping of spent material after tumbling.
- **Precise Positioning:** Hydraulic lift system raises and lowers the drum smoothly for accurate placement.
- **Hands-Free Security:** Holds the drum securely in place while you attach or remove the end cap.

Operation Notes

- Always center the hoist with the lifting tabs aligned to the drum before raising.
- Lower or tilt slowly using the bleed valve to maintain control.
- Ensure the lifting links are properly attached before raising the drum off the basin.



 **Pro Tip:** The hoist's tilt mode not only makes loading/unloading easier but also provides the perfect position for brushing or spraying the drum during cleaning.

SETUP & FIRST USE

Placement & Leveling

- Place on a **flat, stable surface** and use leveling feet.
- An uneven base can twist the frame, causing **lid gaps or poor sealing**.

Power

- Standard **115V single-phase**, grounded outlet.
- Use heavy-duty cords rated for motor amperage.

Cleaning

- **Wipe-down:** Spray or low–medium pressure wash the drum.
- **OR CIP:** Add PBW/peroxide cleaner, tumble 5–10 min, drain via bleed valve, flush thoroughly.

Drum & Lid Setup

- Use a **Hashtek Tumbler Hoist** or overhead hoist to lower the drum.
- Confirm drum and bearings are fully seated.
- Close covers on **drive and idle ends**.
- Close and latch lid—must press **green safety interlock button** to run.

Pre-Use Checklist

- ✓ Unit is level
- ✓ Drum/bearings seated
- ✓ Covers closed
- ✓ Lid closed & pressing interlock
- ✓ Power dry & grounded
- ✓ Unit is Clean and Sanitized

 **Pro Tip:** Always level the unit first—90% of sealing issues trace back to uneven setup.

OPERATION

Loading

- Ensure the drum is properly supported – the **Tumbler Hoist** makes this much easier.
- Loosen the thumb nuts and remove the **drum end lid**.
- Load biomass evenly into the drum, then replace and secure the drum lid.
- Safely lower the drum into the tumbler basin using the hoist or an overhead lift.
- Confirm the drum and bearing are fully seated, then close the covers on both the drive and idle ends.

Starting the Run

- Close the lid firmly so it presses on the **green safety interlock**.
- Flip the **On/Off switch** on the control box and set the speed with the dial.

Tumbling Cycle

- Run **20–90 minutes**, depending on your goal.
- Multiple collections per run are possible, though most operators perform just one.
- Monitor through the **clear lid**—stop tumbling when kief begins to go green to avoid plant contamination.

Collection

- Switch the unit **Off**.
- Use the hoist (tilt mode) to safely **dump spent biomass** from the drum.
- Remove the drum from the basin.
- Use the included **scrapers and scoops** to collect kief from inside the drum.

Pro Tips:

- Running cold—or adding **dry ice**—improves resin yield and quality.
- For flower runs, adding **golf balls or similar objects** to the drum helps break up material for more complete separation.

CLEANING & STORAGE

Care & Maintenance

- **Polycarbonate Lid:** Use mild soap and water. If needed, clean with $\leq 50\%$ ISO solution.
- **✗ Do not use Windex** or ammonia-based glass cleaners, as they can cause hazing or cracking of polycarbonate.
- **Stainless Steel:** Clean with $\leq 70\%$ ISO or food-safe stainless cleaner for a polished finish. Avoid harsh abrasives.

Routine Cleaning (Brush & Air Method)

- Remove the drum from the tumbler. The **Tumbler Hoist** (in dump position) is the easiest way to hold it during cleaning.
- Use compressed air and a soft/medium bristled brush to remove biomass from the drum mesh and smooth basin.
- Finish with a low/medium-pressure water rinse (30–40 PSI). Avoid high pressure, which can damage the mesh.

Deep Cleaning (Solvent Method)

- First complete a brush/air and water rinse.
- Close the NPT and drain valves, then fill the basin up to 60% with $\leq 30\%$ ISO solution (well-ventilated area, eye protection required). We recommend spot cleaning only — full solvent cleans should be rare and carefully managed.
- Close the lid and tumble at **very low speed** to dissolve resin. Avoid high speeds that whip solvent.
- Drain via the solvent valve, then rinse repeatedly with clean water.

Storage Guidelines

- Always store the drum, lids, scrapers, and scoops **clean and dry**, separate from the tumbler basin.
- Close drive and idle end covers to protect bearings and gearbox.
- Do not store biomass residue in the drum or basin.

 **Tip:** Many operators rely on the **brush + air + rinse method** after every run and save solvent cleaning for occasional deep maintenance.

TROUBLESHOOTING & TIPS

Issue	Possible Cause	Solution
Drum not turning	Lid not closed / interlock button not engaged	Close lid fully so it presses the green interlock button.
	Drum not seated correctly in basin	Confirm drum is fully lowered and seated before starting.
	Power switch off or speed dial set to 0	Turn on power switch and set desired speed.
Uneven tumbling / vibration	Unit not level	Adjust leveling feet until unit sits flat.
	Drum overloaded or biomass packed unevenly	Reload with proper weight (≤ 8 kg fresh frozen / 1.5 kg dry) and distribute evenly.
Gaps when closing lid / poor seal	Uneven surface or feet not leveled	Place unit on flat surface and re-level with feet.
Poor yield	Material too warm or over-processed	Run in colder environments or add dry ice. Stop when kief begins to turn green.
	Insufficient tumbling time	Extend run (typical range: 20–90 min).
Green or contaminated kief	Tumbling too long	Stop run earlier—clear lid allows visual check.
	Biomass too dry or old	Use fresher or better-conditioned material.

Tips

- Avoid overfilling to keep tumbling smooth.
- Cold rooms or adding dry ice can dramatically boost yield.
- Watch the kief color through the clear lid—stop once it begins to green.
- For easy loading/unloading, the **Hashtek Tumbler Hoist** is highly recommended.

SUPPORT & CONTACT

Warranty

- **5 year coverage** for craftsmanship (e.g., welds, structural integrity).
- **1 year coverage** for electrical components (motor, speed controller).
- Misuse, neglect, or accidental damage are not covered.
 - ⚠ Always keep a hand on the drum to prevent swinging and avoid striking the lid during loading/unloading.

Preventative Maintenance (PM)

- **Lip Seals:** Inspect periodically; replace as needed.
- **Lid Pistons:** Replace if the lid feels heavy or difficult to lift.
- **Cleaning:** Regular, thorough cleaning prevents resin buildup that can strain moving parts.
- The tumbler is built to be simple, robust, and low-maintenance.

Commissioning

On-site and virtual commissioning services are available. Recommended for first-time operators to ensure optimal setup and training. Contact Hashtek for pricing.

Thank You

Thank you for investing in professional-grade solventless equipment. At Hashtek, we design our tools to make your process easier, faster, and more reliable — so you can focus on producing the cleanest resin possible.

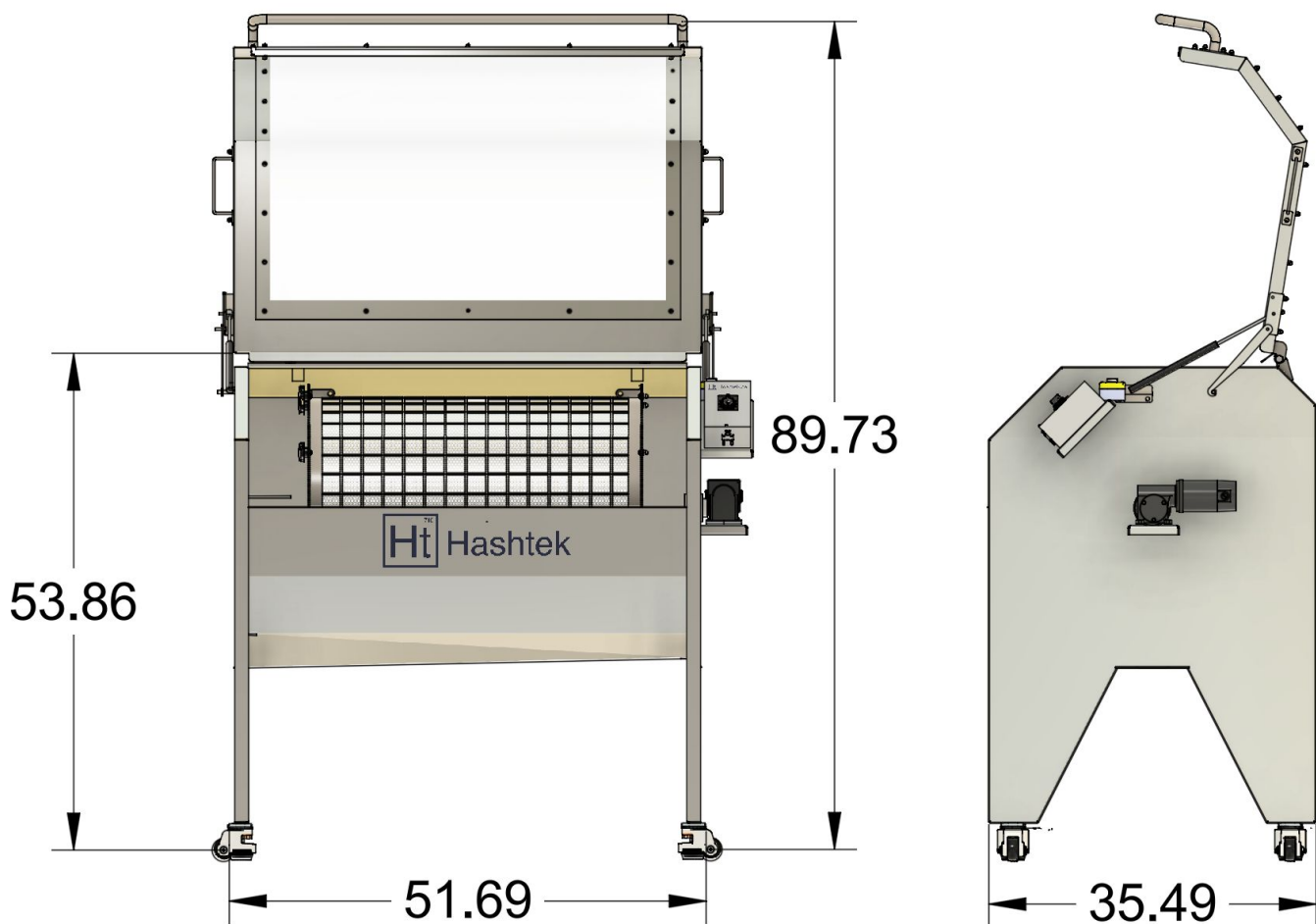
TECHNICAL SPECIFICATIONS

115 Volt 1 Phase *(recommended for N.A.)*

Operating Amps	10
Circuit Capacity	13
Plug	Nema 5-15

Dimensions	51"W x 36"L x 50"H
Motor	90V DC Motor
Frame	304 Stainless Steel, TIG Welded
Controls	0 - 100 Control Box
Connections	0.5" Cleaning Solvent Drain Valve
Safety	Lid Close Safety Interlock
Weight	350 lbs
Lid Material	Lexan
Lid Assist	Gas Pistons
Unit RPM	0 - 60 rpm
Origin	Made in Canada
Micron Sizes	100, 150, 160, 180, 200, 220, 300
Room Limitation	Minimum 38" door
Input Material	Whole dry flower, fresh frozen flower, dry trim, hops, hemp

DIMENSIONAL DRAWINGS



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