

TC-2

CYCLONIC TRIM SAVER



OPERATIONAL MANUAL

BE Hemp Equipment
Carson City, Nevada



Safety

At BE Hemp Equipment (BE), safety is our number one priority. The following information provides guidelines for safety when using BE equipment. Any piece of machinery can become dangerous to personnel when improperly operated or poorly maintained. All employees operating and maintaining BE equipment should be familiar with its operation and should be thoroughly trained and instructed on safety. Most accidents are preventable through safety awareness.

Every effort has been made to engineer safety into the design of BE equipment per standards set forth by ANSI, the National Electric Code, and others that apply as necessary. Areas of potential danger are mechanically and/or electrically protected. Safety labels and instructional decals are visible to the operator and located near any potential hazard.

General Safety Guidelines

- Ensure that all power sources are turned off or unplugged when the machine is not in use. Understand the LOCKOUT/TAGOUT procedure and use it before inspecting, maintaining, servicing or cleaning the equipment to help prevent anyone from accidentally turning on power to the machine.
- Read the manual for any special operational instructions for each piece of equipment. A hard copy can be made available if requested.
- Know how the equipment functions and understand the operating processes.
- Know how to shut down the equipment. Stop buttons, emergency stop buttons or cables are located at various locations on the machinery.
- Understand the equipment safety labels and heed them.
- Wear the appropriate personal protective equipment for the job to be performed (EX: eye protection, hearing protection, gloves, etc.). Ensure that nothing you are wearing could get caught in the machinery
- When working on or around all equipment, avoid wearing loose clothing, jewelry, unrestrained long hair, or any loose ties, belts, scarves or articles that may be caught in moving parts. Keep all extremities away from moving parts. Entanglement can cause death or severe injury.
- For new equipment, check plant voltage with the voltage specified on the machine. Electrical specifications for your machine are printed on the machine serial number tag.
- A properly grounded electrical receptacle is required for safe operation regardless of voltage requirements.
- Treat this equipment with the respect its power and speed demand. Use it only for its intended purpose.

- Keep the operating zone free of obstacles that could cause a person to trip or fall toward an operating machine. Keep fingers, hands or any part of the body out of the machine and away from moving parts when the machine is operating.
- Any machine with moving parts and/or electrical components can be potentially dangerous no matter how many safety features it contains. Stay alert and think clearly while operating or servicing the equipment. Be aware of operations and personnel in your surroundings. Be attentive to indicator lights, warning lights and/or operator interface screens displayed on the machine and know how to respond.
- Do not operate machinery if you are fatigued, emotionally distressed or under the influence of drugs or alcohol.
- Know where the FIRST AID SAFETY STATION is located.
- Know where FIRE EXTINGUISHING EQUIPMENT is located.
- Never sit or stand on the machine or on anything that might cause you to fall against the machine.
- Rotating and moving parts are dangerous. Keep clear of discharge area of the machine.
- Never put any foreign objects, other than what the machine is intended for, into the machine's input ports.
- **Do not operate without first attaching to Trimmer system. The TC-2 is intended to be operated with a 6" trimmer outlet, however smaller can be used with the appropriate adaptors.**
- Use proper lifting and transporting devices for heavy equipment. This equipment is heavy. An appropriate lifting device should be used.
- Use caution when moving portable equipment. In some cases the machinery can be heavy and/or may be top heavy if loaded. Portable equipment can gain momentum during transporting and must be controlled at all times.
- Always operate in a well ventilated area and as intended. This machine is intended to collect cannabis and hemp trimmings. Use outside of intention can be dangerous.
- When emptying trim and kief from bag, wear a respirator and safety glasses.

TECHNICAL SPECIFICATIONS

Wattage:	1500 W
Max Amps:	7.8 A
Horse Power:	3 HP
Speed:	3450 RPM
Airflow Capacity:	1400 CFM
Cord and Plug:	90" with 6-15P
Voltage:	220/230 V Single Phase
Freq.:	60 Hz
Max Noise:	84dB
Inlet Size:	6"
Filter:	1 Micron
Drum Capacity:	3.61 Cubic Feet
Kief Bag Dimensions:	23" x 30" x 4mil
Drum Bag Dimensions:	30" x 30" x 4mil
Width:	26"
Length:	48"
Height:	69"
Weight:	91 lbs





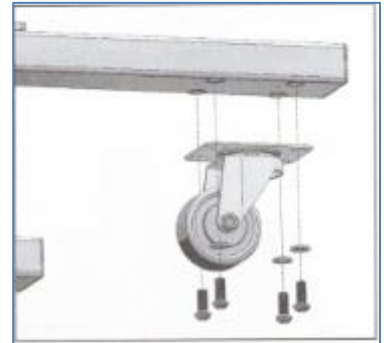
REMOVING FROM BOX AND INSPECTING

1. The Trim Saver is not pre-assembled. Transport Trim Saver in its packaging to location before unpacking it. If packing crate or boxes show signs of damage, take pictures and carefully document damage.
2. Remove all contents from boxes and drums. Verify the following;
 - a. Frame, Base
 - b. Handle
 - c. Frame, Upright (qty 2)
 - d. Wheels, Frame (qty 4)
 - e. Impeller Housing
 - f. Cyclonic Funnel
 - g. Wheels, Collection Drum (qty 3)
 - h. Canister Filter
 - i. End Cap for Base
 - j. Kief Bag
 - k. Canister Bag
 - l. Bag Clamp
 - m. Hose (8')
 - n. Hose Clamp, 6" (qty 2)
 - o. Collection Drum Assy
 - p. Hardware Package
 - i. M6 x 15mm Screw (qty 32)
 - ii. M6 Washers (qty 32)
 - iii. M8 x 40mm Screw (qty 4)
 - iv. M8 Washers (qty 22)
 - v. M8 Nuts (qty 6)
 - vi. M8 x 20mm Screw (qty 2)
 - vii. M8 x 20mm Screw (qty 4)
 - viii. M8 x 16mm Screw (qty 12)
 - ix. Plastic Handle

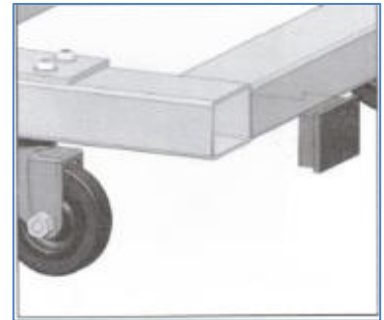
ASSEMBLY

1. Assemble Frame Assy.

- a. Flip Lower Frame Assembly upside down, paying special attention to not damage painted surfaces and install Wheels, Frame (item d) using M6 x 15mm screws and M6 washers. Torque to 12 in-lbs



- b. If not already installed, install End Caps (item i) into Lower Frame Assy.



- c. Assemble Frames, Upright (item c) onto Frame, Base (item a) using M6 x 15mm screws and washers. Torque to 12 in-lbs.



- d. Assemble Bracket (item b) onto Frame Assembly using M8 x 40mm screws, M8 washers, and M8 Nuts.

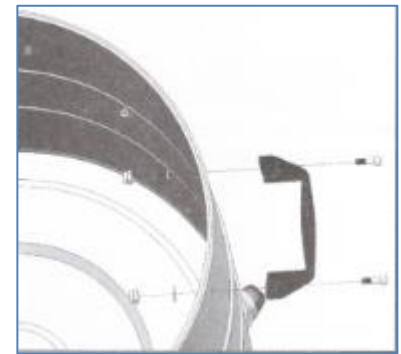


2. Assemble Canister Assy.

- a. Remove Inner Drum from Canister Assy, and place Outer Drum on its side. Install Wheels, Canister (item g) onto drum (item o). Hand tighten wheels only.



- b. Place Outer Drum on its wheels and install Plastic Handle onto drum assy using M8 x 20mm screws, M8 washers, and M8 nuts. Pay special attention to not over tighten.



- c. Place the Inner Drum into Outer Drum of Canister Assy. Ensure Inner Drum and Outer Drum windows line up. Install Canister Bag (item k) in between Outer and Inner bag.



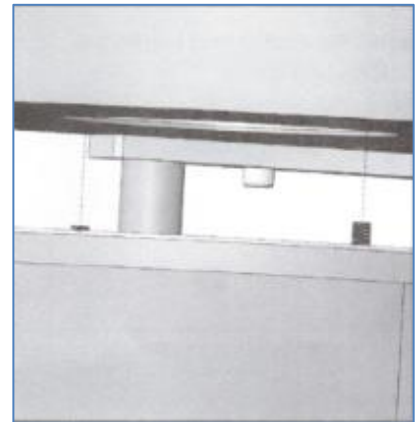
3. Assembly Cyclonic Funnel and Filter Canister

- a. Using at least one person to lift the Impeller Housing (item e) onto the Frame Assy, paying special attention to line up mounting holes. Use M8 x 20mm screws and M8 washers to secure



- b. Unscrew Cyclonic Clamp and remove Lower Cyclonic Funnel from Upper Cyclonic Funnel. Install Upper Cyclonic Funnel to Impeller Housing (item e) using M8 x 16mm screws and M8 washers.

- i. Install Lower Cyclonic Funnel to Upper Cyclonic Funnel using the Cyclonic Funnel Clamp.

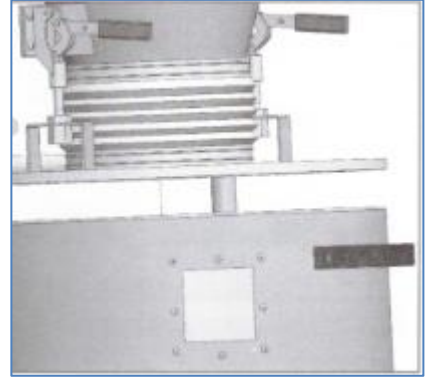


- c. Fasten Canister Filter (item h) to Impeller Housing (item e) using M8 x 16mm screws and M8 washers.



4. Final Assembly

- a. Fasten Collection Canister to Cyclonic Funnel using two drum lock handles. Note: the two should fit together loosely.



- b. Secure Kief Bag (item j) to the bottom of the Filter (item h) using the bag clamp (item l).



- c. Remove screw on outlet of Cyclonic Funnel Assy and place to the side. Install hose and use hose clamp to secure hose to Cyclonic Funnel.

BEFORE OPERATION

Inspection

- Inspect Trim Saver for obvious damage.
- Ensure Filter Bag is secured to Filter Canister
- Check Cord and Plug for damage.
- Verify hose is securely attached to both Trim Saver and Trimmer using 6" hose clamps.

OPERATION

The TC-2, Trim Saver is a very simple vacuum which ensures the trim does not touch the impellers during operation. This results in a higher quality trim. Kief and smaller particles will still pass through the impeller chamber and will be collected by the Kief Bag.

To operate, simply turn on using the Power Switch. During operation, the Filter will ensure air quality remains high, however, may end up getting clogged with particulate matter. During heavy operation, the filter should be "scrubbed" periodically. This is done by rotating the Scrubber Handle a couple of times. This knocks the kief from the inside of the filter which is then captured in the bag.

The Canister was designed to capture trim in a bag located within in between the Inner Canister Drum and the Outer Canister Drum. Levels should be checked periodically to ensure that the Canister is not filled. This can be done through the window. Once approx. only 80% filled, The Trim should be collected and the bag replaced.

When completed, simply turn Power Switch off.

CLEANING

Cleaning of your machine will ensure that your TC-2 can be used for years to come. We suggest a light cleaning daily after each shift and more thorough cleaning every week and/or before being stored. Use standard water based, non-caustic, FDA Food grade approved detergents and/or clean water to clean machine.

Daily Cleaning

1. Unplug Machine from Power Source.
2. With compressed air, blow all loose material from all surfaces of machine.

Caution: Wear eye protection when using compressed air. Failure to do so, can result in eye damage.

3. Scrub inside of Filter by operating Scrubber Handle for at least 5 rotations.

Deep Cleaning

BE Hemp recommends pressure washing with light detergent weekly, however, deep cleaning requirements should be determined by operator.

1. Unplug machine from power source.
2. Remove Filter Assy by unscrewing. See Assembly instruction.
3. Remove Lower Volute from Volute Assy by unscrewing Volute Clamp.
4. Place bag over Motor Assy and Cord.
5. Pressure wash until all dirty surfaces are no longer dirty....
6. Pressure wash removed components as required.
7. Dry with towel and then wipe all surfaces with alcohol to remove water spots.

REPLACEMENT PARTS

BE Hemp is happy to supply parts, however, also want to make the best effort to allow customers to re-supply themselves, as desired with standard consumable parts. If you should need additional support or other parts not on this list, BE Hemp is happy to offer support in whatever fashion needed.



Item	Part Number	Description	Qty	Notes
1	5-0001-01	Filter Assy	1	
2	5-0002-01	Hose, 6" x 8'	1	Not pictured
3	5-0003-01	Bag Clamping Strap	1	Not pictured
4	E-5001-01	Bag, Canister	1	
5	E-5001-02	Bag, Kief	1	Not pictured
6	45955K73	Hose Clamp, 6"	2	Not Pictured