

BR-2

Double Station Bucking Machine



Owner's Manual



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.

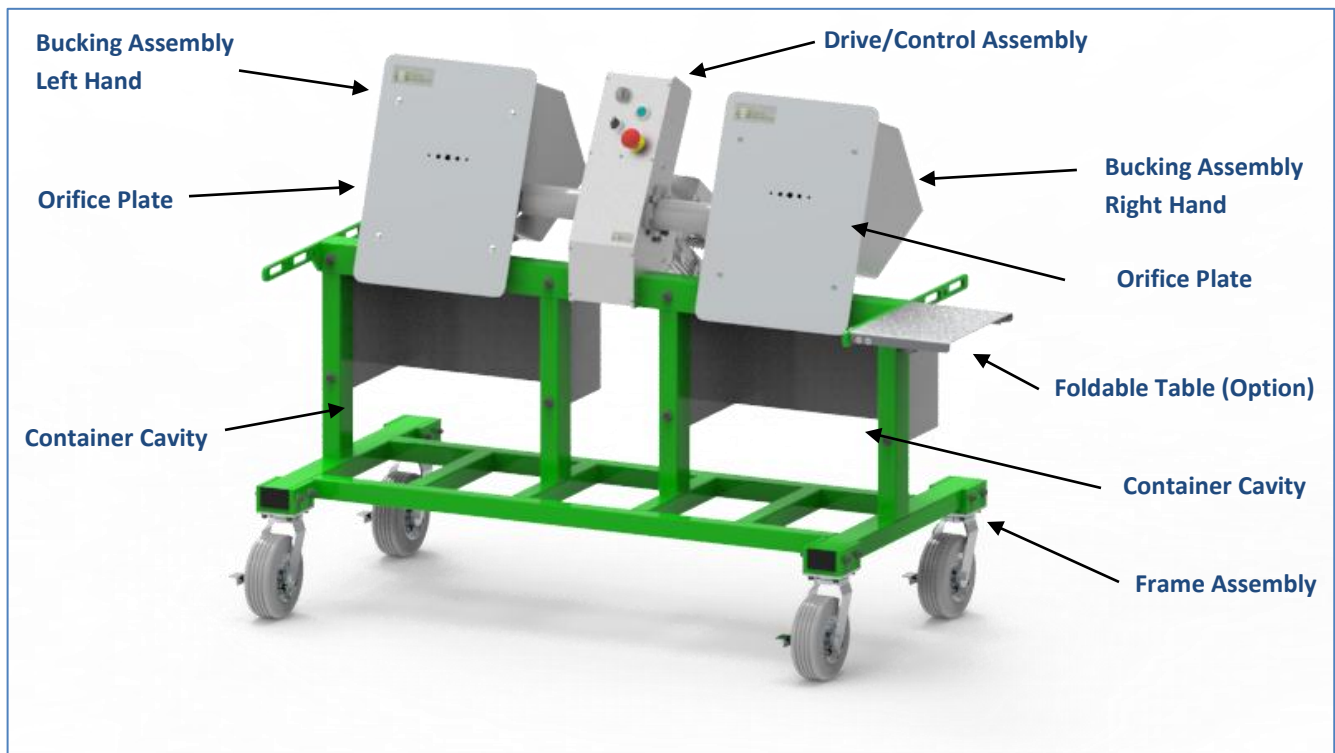
Every effort has been made to engineer safety into the design of BE equipment per standards set forth by ANSI, the National Electric Code, and others that apply as necessary. Areas of potential danger are mechanically and/or electrically protected. Safety labels and instructional decals are visible to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

MACHINE OVERVIEW

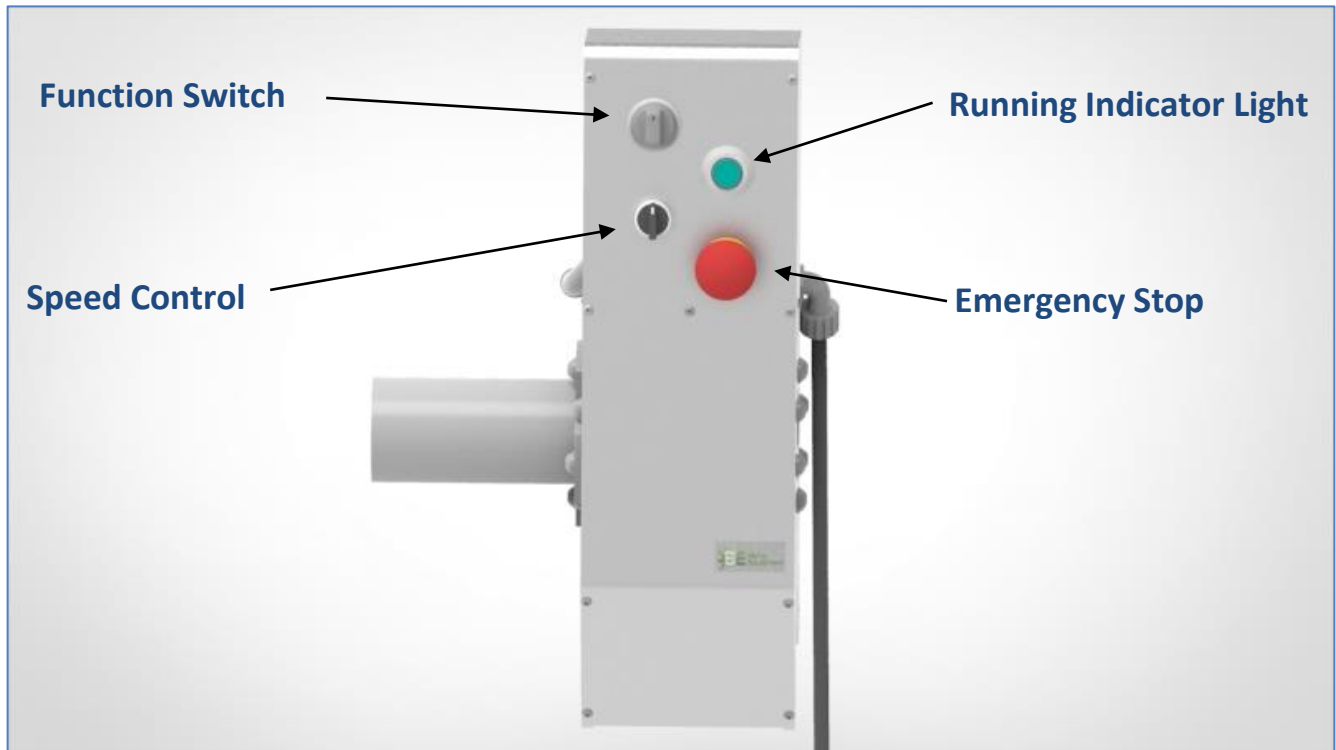


WHATS IN THE BOX

The BR-2 comes fully assembled and ready to buck. When unpacking the machine, please ensure the following items are present;

- BR-2 Bucker Machine (obviously)
- Spare Collar Kit
- Allen Wrench, 5/16"

CONTROLS



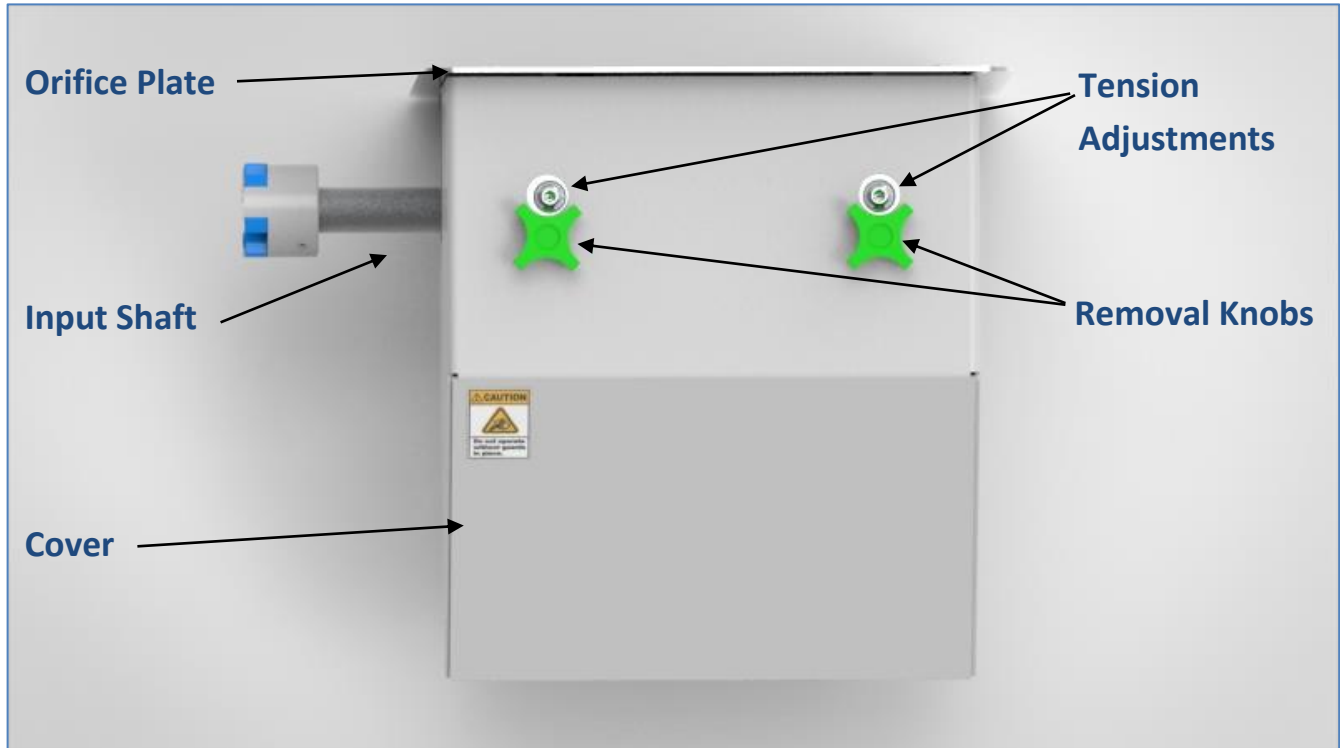
Function Switch: Able to control operation between OFF, ON, AND REVERSE function

Speed Control: Controls the speed of the buckler

Running Indicator Light: Illuminates green when operating buckler in ON function.

Emergency Stop: Push in to stop function immediately. Pull outwards after to return to normal operation

BUCKER ADJUSTMENTS



Orifice Plate: Front plate used to shed flower and leaf from stem.

Input Shaft: Shaft that drives the rollers.

Cover: Safety shield used to cover rotating parts.

Tension Adjustments: 5/16" Allen headed screws used to adjust tension (grabbing grip of stem) to roller assemblies. Clockwise tightens grip and counterclockwise releases it.

Removal Knobs: These two knobs keep the cover attached the rest of the bucker assembly. Tighten by hand only. Do not overtighten.

WHEN TO BUCK

Wet Bucking: Wet bucking can occur anytime!

Dry Bucking: Obviously, different strains will require different moisture content, but we recommend between **12-14%** total moisture content.



Check the flower by pinching it between two fingers. It should spring back to original shape.

- Flower that is too dry will break apart during bucking
- Flower that is too wet will deform

PREPERATION

Prepare both the plant and area prior to bucking.

Area Preparation

1. Ensure adequate space around the equipment. Ensure that extra space behind the machine (where the stem is exits the machine). Hurd is going to stack up quick!
2. Review electrical requirements.



Try to buck in as cool as an environment as possible (65°F-75°F is ideal).

Plant Preparation

1. Cut the main stalk and separate into individual stems removing any “Y”s from the stems, trying to leave at least 2”-3”s of bare stem at the bottom.



Place in container pointed in one direction for speed of process.

GENERAL OPERATION

Normal Operation

- Inspect buckler for any damage. Do not operate if damage is observed.
- Place desired "Tote" in Container Cavity.
- Adjust Roller Tensioners clockwise, until you feel slight resistance.
- Ensure Emergency Stop is pulled to outward position.
- Turn Function Switch to ON position
 - Running light should turn on, indicating that the rollers are moving.
- Adjust speed to desired output speed.
 - 💡 When bucking dry, use lower speed settings to reduce potential damage to flower.
- Feed stem side into an appropriately sized hole on the Orifice Plate until you feel the rollers grab onto stem and pull it into the machine.
 - The flower and leaves should drop into the Tote below.
 - 💡 Periodically check the stem pile behind the machine and remove the stems as required to ensure adequate ejection space for the machine!

Clearing a Stuck Hurd (Stem)

- Turn Function Switch REV position and hold until Hurd is backed out of the Orifice Plate.
 - 💡 You may need to help guide the stem from the orifice by pulling on it at the same time as reversing the machine.

Machine Shutting Down

- Turn Function Switch to OFF position
- Push Emergency Stop Switch downward into STOP position
- Adjust Roller Tensioners counterclockwise to remove all pressure from roller assembly

CLEANING

Cleaning of your machine will ensure that your machine 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

- Dust off all exposed machine surfaces with a clean cloth
- Remove cover from Bucker Assembly and wipe total surface of both upper and lower roller using Isopropyl Alcohol with a clean cloth.
 - ⚠ **Do not pressure wash rollers.** Damage can occur over time.
- Using a plastic brush and/or cloth, clean each orifice

Weekly Cleaning

- Perform all daily cleaning tasks
- With cover removed, pressure wash interior of Bucker Assembly paying special attention not to spray electrical controls, motor assembly, or rollers.
- Pressure Wash Frame
- Using water with detergent, dampen cloth and wipe down entire Drive/Control Assembly.
 - ⚠ **Do not pressure wash Drive/Control Assembly.**

MAINTENANCE

Annual and periodic maintenance is suggested to keep you Bucker operating at peak performance.

Checks

- Check the cord and receptacle for damage. Any damage should be repaired immediately.
- Inspect electrical conduit and connections for damage and signs of leakage.
- Inspect rollers for uneven wear, grooves, or damage.
 - ⚠ Replace if damage prevents normal operation. BE Hemp Equipment offers a roller exchange program. Contact BE Hemp Equipment for details.
- Verify that all electrical controls are in good working condition.
- Check the electrical outlet cover in the rear for seal. Replace if required