CDL SUGARING EQUIPMENT

OWNER'S MANUAL

Version 001 | 08/08/2025
66824-MAN-EN

MASTER AUTOMATIC CAN SEALER

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Introduction

Thank you for choosing a Master can sealer from CDL Sugaring Equipment.
We are proud to offer you high-quality products designed to meet the demanding needs of the maple sugaring industry. This user manual has been created to help you get the most out of your equipment by providing clear and detailed instructions for installation, use, maintenance, and troubleshooting.

At CDL, we are committed to continuous innovation and improvement to provide you with the most effective and reliable solutions. We encourage you to read this manual carefully and keep it for future reference. If you have any questions or concerns, please do not hesitate to contact our technical support team, who will be happy to assist you.

Thank you for trusting CDL for your maple sugaring equipment needs.

Safety Instructions

Safety is a top priority when installing and using your equipment. This section provides essential information to ensure safe operation.

Please read all safety instructions carefully before beginning any operation. The following pictograms are used throughout this manual to draw your attention to specific hazards and necessary precautions. Understanding and following these instructions will help prevent accidents and ensure a safe working environment.

General Hazard

This symbol indicates a potential risk of serious injury or property damage. Please take all necessary precautions to avoid accidents.

Electrical Hazard

This symbol indicates a risk of electric shock that could cause serious injury or death. Always disconnect power before performing any work and follow all electrical safety guidelines.

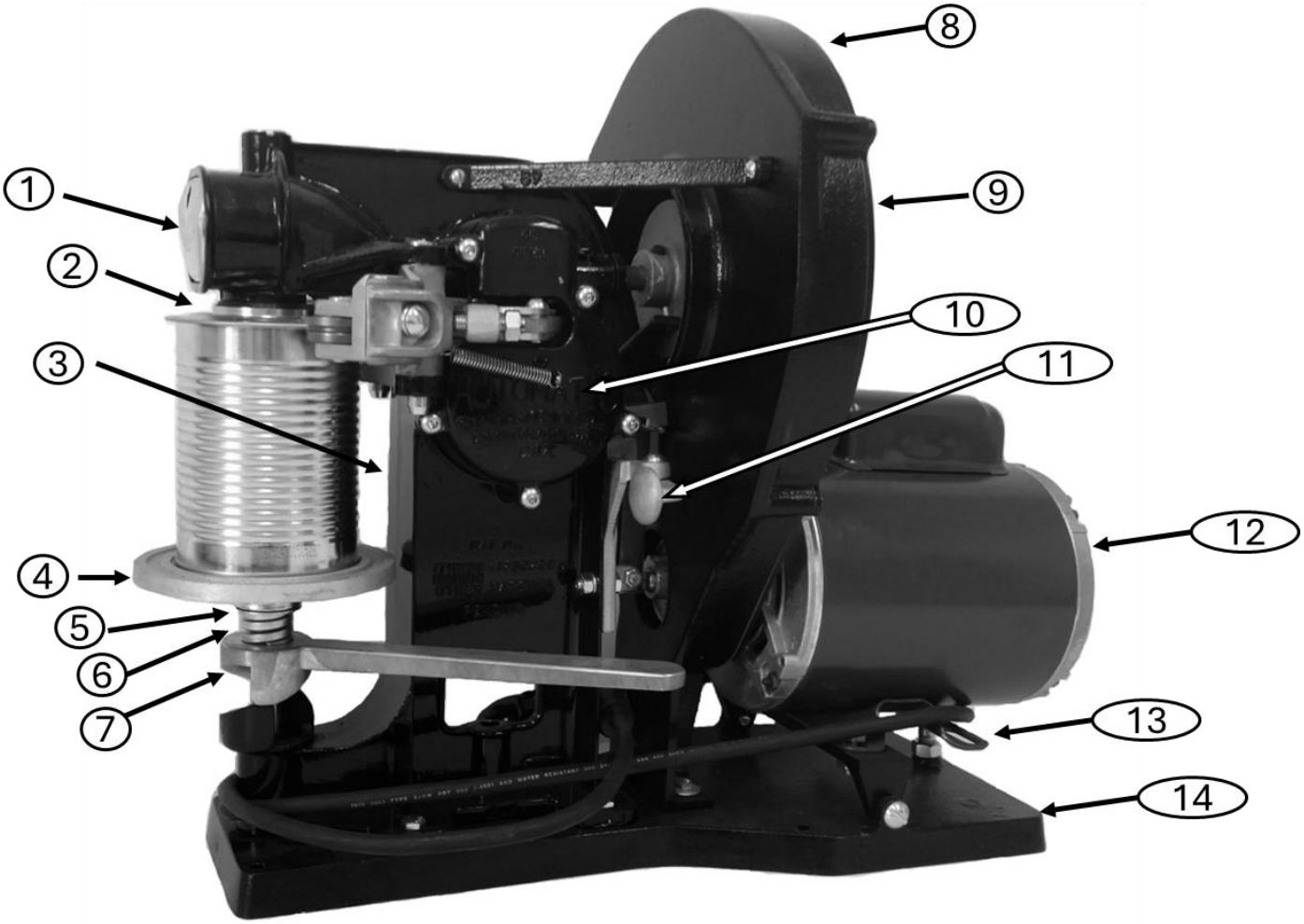
Crushing Hazard

This symbol indicates a potential crushing hazard that could cause serious injury. Be cautious in areas where heavy or moving parts may shift or fall.

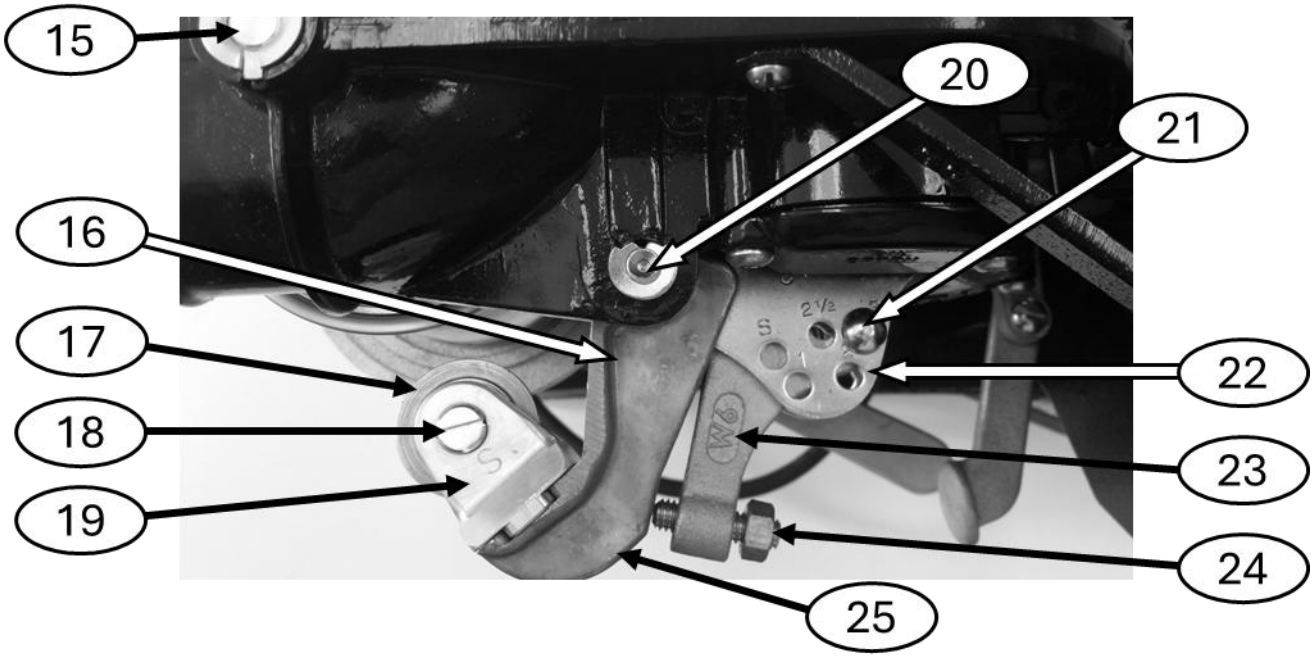
Burn Hazard

This symbol indicates a potential burn hazard that could result in serious injury. Be cautious around hot surfaces and high-temperature liquids. Use protective equipment to prevent burns.

Components Identification



#	Description
1	Front Gear Cover
2	Chuck
3	Electric Sealer Frame
4	Base Plate
5	Base Plate Shaft
6	Compression Spring
7	Can Lifter Handle
8	Pulley Wheel Housing
9	Pulley Housing Cover
10	Cam Worm Wheel Cover
11	Reset Lever
12	Electric Motor
13	Motor Brace Bracket
14	Sealer Base



#	Description
15	Chuck Holder Bushing
16	Seaming Lever
17	Operation Roller
18	Seaming Roller Pin
19	Roller Bearing Lever
20	Seaming Lever Pin
21	Rivet for Cam Roller
22	Cam Roller Lever
23	Adjusting Lever
24	Adjusting Screw and Lock Nut
25	Lock Screw for Roller Bearing

Getting Started

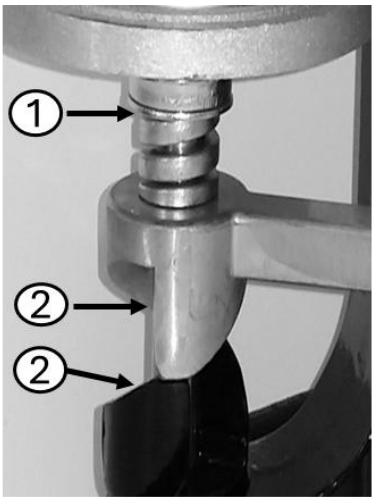
1. The first thing to remember is to **never operate the machine without a can locked in place between the base plate and the chuck**. Running the rollers against the chuck without a can in place will eventually damage the rollers and require their replacement.
2. The can sealer can be **securely fastened to a table or counter** using the four bolt holes cast into the base. If bolting is not possible, place a bar mat underneath to reduce vibration.
3. **Connect the power plug** to the appropriate outlet (120V).
4. For operation, **the seaming lever rivets should be inserted into the hole number on the cam roller arms that matches the can size**. (For example, use hole number 2 for a number 2 can.) Rivets are typically installed in hole number 3 for shipping.
5. **Start the motor** by switching the toggle switch to the "ON" position.
6. **Lower the base plate** by turning the **can lifter handle** fully to the left.
7. **Place the lid on the filled can and set the can on the base plate.**
8. **Raise the can** until it is firmly clamped between the base plate and the chuck by turning the can lifter handle fully to the right, until the handle locks against the frame. **Wipe off the outside of the can.** The can is now ready to be sealed.
9. To start operation, **push back the reset lever and hold it for one second.** The reset lever is located on the right side of the frame. The sealer will complete one cycle and then stop.
10. When both arms are away from the can, **pull the can lifter handle toward you and remove the can.**
11. **Wipe down the machine regularly** to prevent buildup of foreign materials.
12. The motor is designed to run continuously, and it is best to leave it on during regular use. However, **if the sealer will not be used for several hours or more, turn the switch off.**

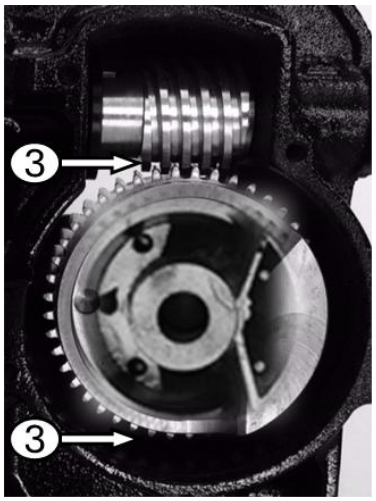
Caution:
Do not place any part of your body between the chuck and the rollers while the machine is running. Failure to follow this warning may result in serious injury.

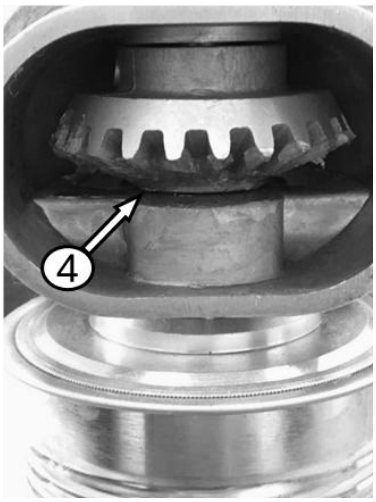
Maintenance and Care

Periodic maintenance

1. **Remove the base plate** and apply food-grade lubricant to the shaft located underneath.
2. **Remove the can lifter handle**; apply food-grade oil to the brass stem and the contact point between the handle and the frame.
3. **Apply food-grade white petrolatum** to all the teeth of the cam worm wheel located behind the worm wheel cover.
4. **Apply food-grade white petrolatum** to the teeth of the bevel gear located behind the front gear cover.

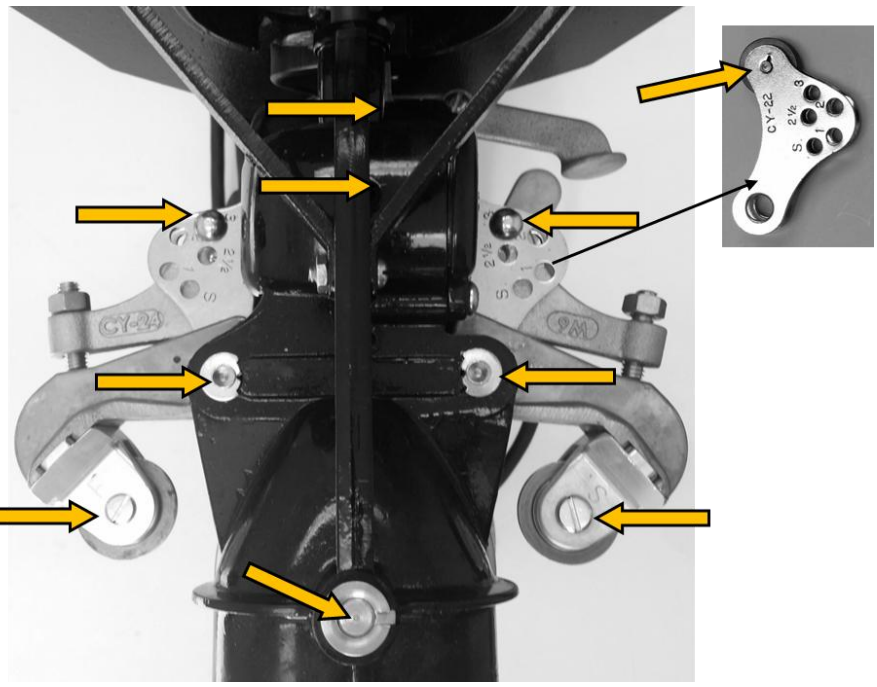






Daily maintenance

Use food grade lube oil at each arrow below.



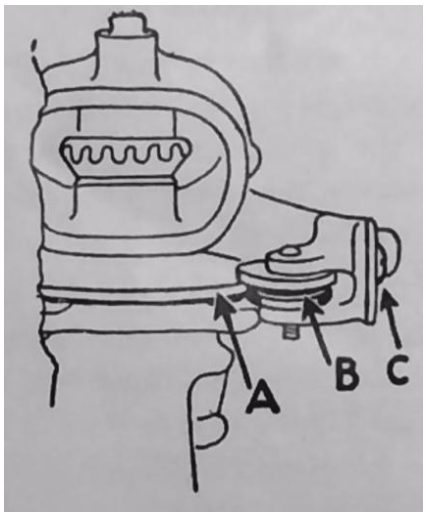
Adjustment and Seam Gauge

Check the adjustment of the seaming rolls occasionally to ensure a proper seam.

1. Check height adjustment:
When the chuck (A in the sketch) is held tightly against the ball bearing, the underside of the top flange on the seaming roll (B in the sketch) should rest snugly on top of the chuck (A).

To adjust:

- Push the cam roller lever toward the chuck until the seaming roll touches the chuck.
- Slightly loosen the screw labeled “C” in the sketch.
- Push down on the roller bearing lever (the one holding seaming roll B) until the top flange of the seaming roll rests firmly on top of the chuck.
- Tighten the screw “C” as tightly as possible.



This adjustment should be made for both the **first** and **second operation** rolls.

2. Check the seam using the seam gauge:
The seam gauge is used for checking the can seam.

Follow these steps:

- Remove the rivet from the second operation cam roller lever (the second operation is on the right side when facing the front of the machine).
- Run an empty can through the machine to perform the **first operation** seal.
- Remove the can and place the seam gauge over the seam.
    - The groove marked “1st” should slide over the seam.
    - The seam will not fill the entire groove.
    - If the groove does **not** fit over the seam, **tighten** the first operation roller by loosening the lock nut and turning the adjusting screw **no more than a quarter turn to the right**.
    - If the groove feels too loose, **loosen** the roller by turning the adjusting screw to the **left**.
    - Repeat with another can until the gauge fits correctly.

Once the first operation seam is correctly adjusted, move the rivet from the first operation lever to the second operation lever. Adjust the second operation roller using the same method, but with the can that already has a correct first operation seam. Use the groove marked “2nd” on the seam gauge for this step.
Always tighten the lock nuts after adjusting each roller.

Important:
If you need to operate the sealer without a can in place, remove the chuck to avoid damaging it and the seaming rolls.

Troubleshooting

This troubleshooting section is designed to help you quickly identify and resolve any issues you may encounter with your equipment. If problems persist, your representative or our customer service team is available to provide further assistance.

Problems and Solutions

- **Clicking Noise**

Possible Causes of Clicking:

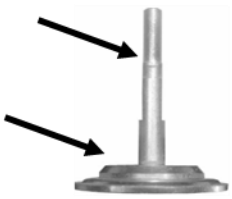
1. The clutch assembly is not sliding far enough up the clutch knockout.
2. The clutch assembly slides back down the clutch knockout when the tension on the can is released to remove it. This can occur if the machine runs too freely.
3. Insufficient lubrication under the chuck, on the gears, or on parts indicated for oiling in the instruction manual.

How to Eliminate Clicking:

<u>For causes #1 and #2:</u>
The clutch knockout is attached to the bracket, which is secured to the main frame with two bolt, lock washer, and nut assemblies. **Loosen both assemblies slightly—do not remove them.**
Hold the reset lever and **reduce the angle of the clutch knockout by gently lowering the reset lever**.
Always adjust in small increments, as lowering the angle too much can also cause problems.

<u>For cause #3:</u>
Remove the chuck and lubricate as shown:

- **Chuck:** Apply food-grade white petrolatum to the entire shaft of the chuck and to the top surface (as shown in the diagram).
- **Clutch Knockout:** Apply food-grade white petrolatum to the area indicated by the arrow in the diagram.
- Also, **lubricate all other points shown on maintenance section** of the instruction manual.


Chuck


Clutch knockout

- **Can isn’t spinning properly:**
  Increase the can lifter handle tension by adding a thin washer to the base plate shaft. Start with a 1/32" washer and test with a can. Add more washers if necessary.

- **Operation rollers aren’t spinning properly:**
  If the rollers are not cleaned regularly, residue from certain liquids can accumulate and cause them to seize. Remove the roller bearing lever and soak the assembly in warm soapy water for 10 minutes to loosen the buildup. Rinse thoroughly and dry. Reinstall the lever, adjust, and lubricate with food-grade oil.

- **Can lid is sticking to the chuck after sealing:**
  The rollers are set too high, causing the metal to fold over the chuck. Refer to “Adjustment and Seam Gauge” section for proper adjustment instructions.

- **Can seal is leaking:**
  The roller arms are too loose. Check the seam using the seam gauge following the instructions in “Adjustment and Seam Gauge” section

Warranty

This CDL product comes with a one-year limited warranty (one sugaring season) against all manufacturing defects from the factory. Damage caused by freezing, wear, abuse, poor maintenance, or abnormal use is not covered.

The warranty covers only the product itself, and not yield losses, production losses, or any other damages it may cause. This warranty does not cover products whose installation and use do not comply with the instructions in the user manual.

Transportation Fees
All transportation costs related to the replacement or repair of products shipped to the CDL factory must be prepaid by the customer.

For technical assistance or support, contact your CDL representative, your local CDL store, or the CDL technical support team.

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Notes