



SAFETY OPERATING PROCEDURE

BOTTLE CRUSHER

Model : EXPLECO GLAFS maxi

IMPORTANT!

PRIOR TO OPERATION ALL USERS MUST READ THE ENTIRE INSTRUCTION MANUAL

1. Ensure that machine is plugged into a **3phase 380,415 or 440 volts 50/60hz 20A to suit country of application**
2. Check level of sand in 1m³ bag. The bag is capable of holding sand in the equivalent of 50 x 140L bins of bottles. Bag must never be overfilled. The bag should be changed when it is $\frac{3}{4}$ full.



Fig 1



Fig 1 b

3. When changing bag ensure that the strap is securely fitted to the output chute to prevent dust escaping and ensure that the bag is sitting evenly on a pallet with

the 4 hooks secured to ensure that the bag fills evenly. The bag hooks should firmly hold the loops and can be adjusted by tightening on bag cleats.

4. Fit appropriate PSE equipment – Safety Glasses, Earmuffs and leather gloves.
5. Check that hopper is free of any non-glass bottle debris before filling.
6. IMPORTANT! Ensure that a waste bin is located opposite the control station to enable non bottle debris to be removed from the conveyor feed.
7. **IMPORTANT START SEQUENCE** - Turn crusher on using the **Green** Crusher start button. Then turn on the main conveyor and finally turn on the feed conveyor using the **Green** Conveyor start buttons.
8. The operator must remain on the platform to observe and remove any non-bottle waste. In some markets where co-mingled waste product and debris is an issue – it is important to have an observer on both sides of machine to remove non-glass waste.
9. The conveyors can be stopped and started using the Conveyor **red** and **green** buttons. All plastic bottles, Aluminium cans, bottle openers, and metal or rock or dense non bottle product **MUST** be removed from the conveyor. Failure to do so can cause severe damage to the machine. Some machines have an optional Foot Switch to stop and start both conveyors simultaneously.
10. To shut down the machine turn Feed conveyor off first and then the Main conveyor using the **red** conveyor stop buttons. Then allow crusher to continue running for minimum of 20 seconds and then turn crusher off using **red** Crusher button.
11. **EMERGENCY STOP – Only use the emergency stop for an emergency.**
If the emergency stop is used to shut the machine down in normal operation it will turn off the crusher and conveyor together and the crusher will shut down while there is glass in the crushing process. This will probably require clearing before the machine can restart.
12. **The Waste Tray located at base of main conveyor, must be continually monitored and emptied as required.**

INCIDENT MANAGEMENT

Bottle Jam

1. Contact Maintenance Staff.
2. The following Lock-Out procedure must be implemented before servicing the machine or opening the main chute.
 - **The main 63A Wall Switch must be turned OFF.**
 - **The 63A wall plug must be removed**
 - **The switch mechanism must be locked or tagged in a manner that it can only re-instated by the person who locked the machine**

Conveyor Jam – refer to Instruction manual

1. Contact Maintenance Staff.
2. Follow Lock-Out procedure

CHUTE and HOUSING CLEANING – refer to Instruction manual

1. Contact Maintenance Staff.
2. Follow Lock-Out procedure

Filter Clean/Replacement – refer to Instruction manual

1. If visible dust is seen coming from the filter or main inlet, it is an indication that the filter needs cleaning or the 1m3 bag is overfull.
2. Contact Maintenance Staff.
3. Follow Lock-Out procedure

Bearing grease. – refer to Instruction manual

1. The machine is pre-greased in the factory.
2. If the machine makes an intermittent or consistent squeak the main bearing will need greasing. Fig 3
3. Contact Maintenance Staff.
4. Follow Lock-Out procedure

Consumable Items – refer to Instruction manual

1. The GLAFS maxi has specialised internal components which are made from high tech abrasion resistant materials which eventually need replacing.
 - 12 x Oscillating Hammers replace with every 3rd screen
 - Main Screen replace when worn thru approx.
 - Top screen shroud replace with every 3rd screen
 - Main Bearing replace when noisy
 - 1m3 bags. PE Lined life dependent on handling

Replacement of Consumable items – refer to Instruction manual

3. Contact Maintenance Staff.
4. Follow Lock-Out procedure



Sales and Service Enquiries

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