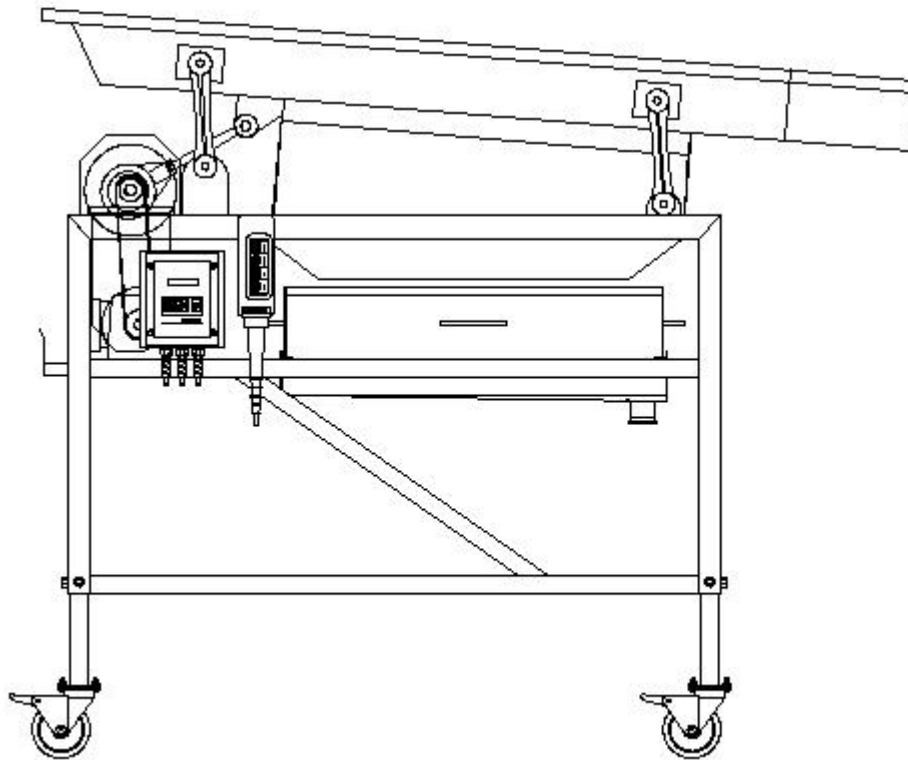
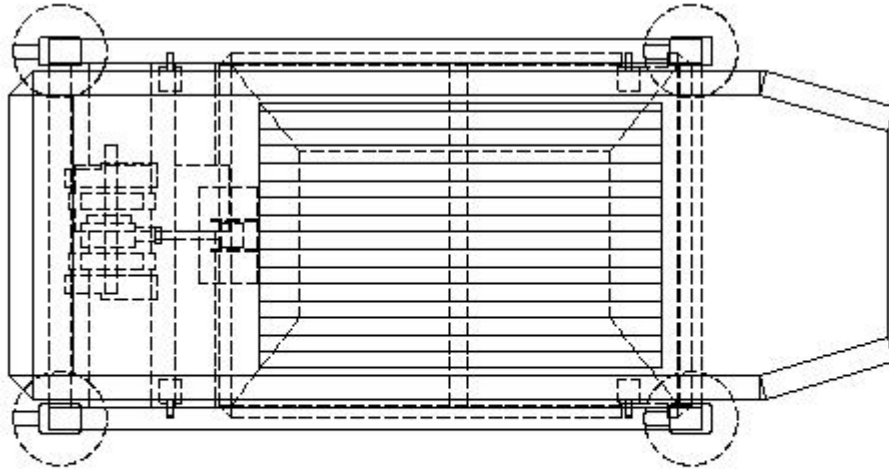




P&L SPECIALTIES

MANUFACTURING THE FINEST STAINLESS STEEL EQUIPMENT



LT™ (LE TRIEUR™)
OPERATION MANUAL
U.S. PATENT PENDING

SERIAL NO. _____ DATE OF MANUFACTURE _____

EQUIPMENT DESCRIPTION

LT™ (LE TRIEUR™)

The LT™ is a patent pending motorized sorting device. The sorting process allows un-ripened “shot” berries, stem jacks, raisins and MOG (Material Other than Grape) to pass through a wedge wire sorting screen. LT’s™ gentle shaking motion then allows the whole, ripe berries to easily pass on to the next stage.

This device can be integrated into the sorting system underneath or downstream from the destemmer and dramatically reduces the labor required for post destemmer sorting.

The LT™ features include: all stainless steel construction for ease of cleaning, a programmable VFD (Variable Frequency Drive) for a complete range of speed control, a remote pendant control, removable directional wedge wire sorting screens, a removable MOG collector and an integrated juice pan.

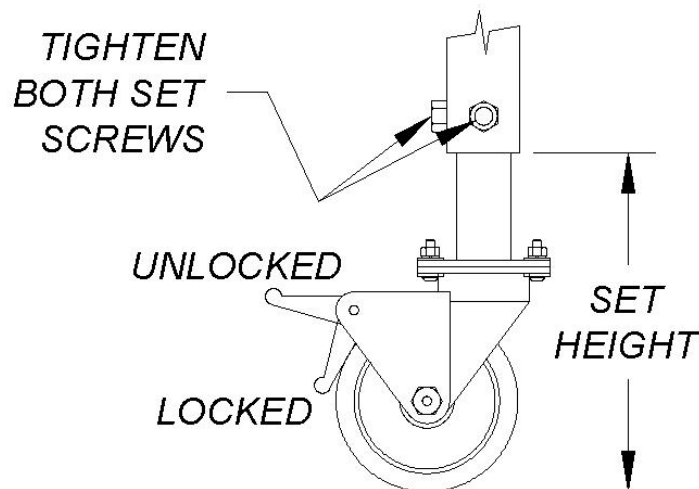


INSTALLATION AND INITIAL START UP

WARNING

Prior to start up, disconnect the power to the unit and inspect the inside of the control panel for accumulated water or moisture. Ensure that the desiccant packs are dry and that all components are free from electrical short circuit. **NEVER** open the panel with the unit connected to power.

1. Visually inspect the unit for any signs of damage, cracks, fatigue or loose components. Any damaged components should be repaired or replaced immediately. See P&L Specialties' contact information on the last page of this manual.
2. Position and level the unit to ensure safe and stable operation. Make certain that the caster wheels are all facing the same direction and that the brake mechanisms are all in the locked position.



3. Connect the unit to the appropriate power source (voltage/phase).
4. Set the ON/OFF switch to the ON position.
5. Set the START/STOP switch to the START position and slowly increase the speed.

6. Adjust the speed control so that the unit is operating properly. Any abnormal rocking or jumping may be due to leg height being slightly out of adjustment. Adjust as necessary to correct.

OPERATION

WARNING

Always ensure that ALL personnel are free and clear of the equipment prior to and during operation. Always power down and let the unit come to full and complete stop then disconnect the power prior to performing and service or maintenance to the unit.

Adjust the speed control as needed to increase or decrease the flow of berries.

Once the MOG basket fills, carefully slide it out to one side and discard the contents and then reposition the basket making contact with the keepers.

SERVICE AND MAINTENANCE

WARNING

Always ensure that ALL personnel are free and clear of the equipment prior to and during operation. Always power down and let the unit come to full and complete stop then disconnect the power prior to performing and service or maintenance to the unit.

WARNING

Never power wash the control panel or pendant control.

Visually inspect the unit daily for any signs of damage, cracks, fatigue or loose components. Any damaged components should be repaired or replaced immediately. See P&L Specialties' contact information on the last page of this manual.

Daily remove any accumulated or loose material from the unit.

Monthly lubricate ALL bearings using Shell Alvania EP2 (NLGI #2) or equivalent grease.

ECCENTRIC BEARING MAINTENANCE

Monthly lubricate the eccentric bearing using Shell Alvania EP2 (NLGI #2) or equivalent grease.

1. Remove the safety cover (see picture below).

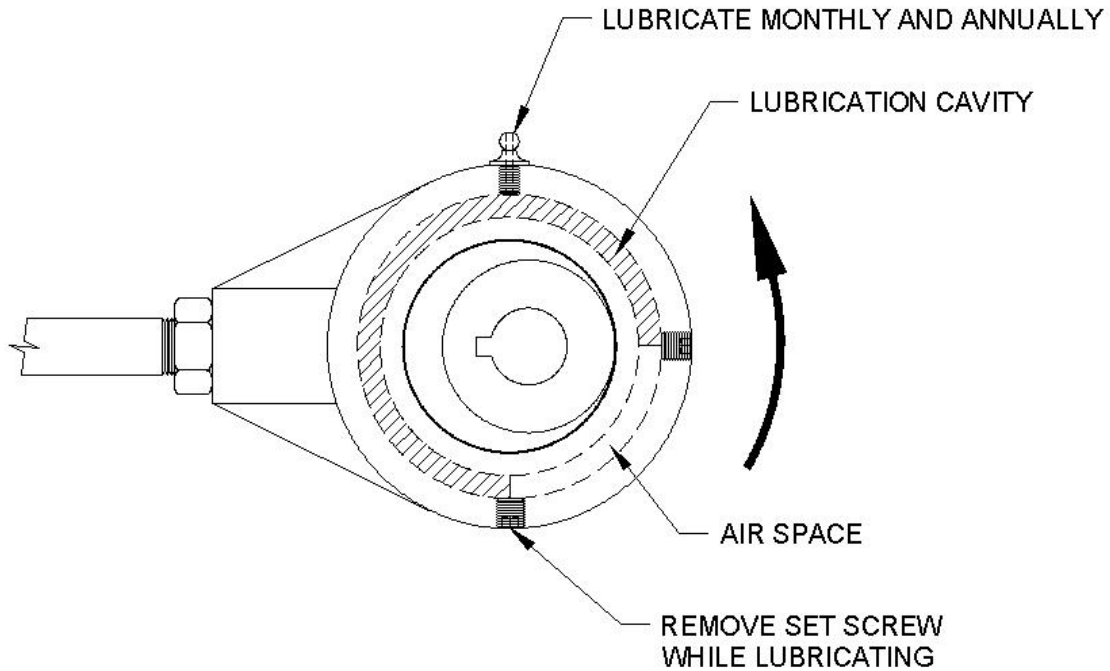


2. Add a small amount (1 oz.) of lubricant at the grease fitting. Applying too much lubricant in the bearing will cause the bearing to overheat and cause more damage than applying too little.
3. Reinstall the safety cover.

At the end of the season it is recommended that a large amount of lubricant be pumped through the bearings' felt seal to force out any water that may have been forced in by the cleaning process.

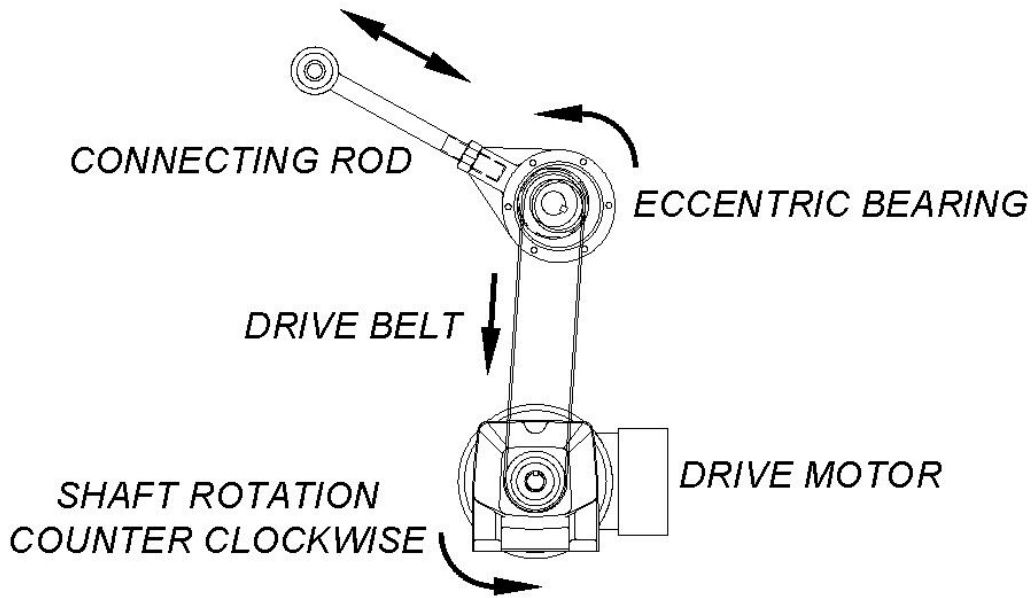
1. Remove the bottom set screw and pump the lubricant in until clean lubricant discharges through the lower set screw opening.

2. Carefully remove a small amount of lubricant using a sump gun to create a space for expansion when the bearing becomes heated.
3. Reinstall and tighten the set screw.
4. Reinstall the safety cover.



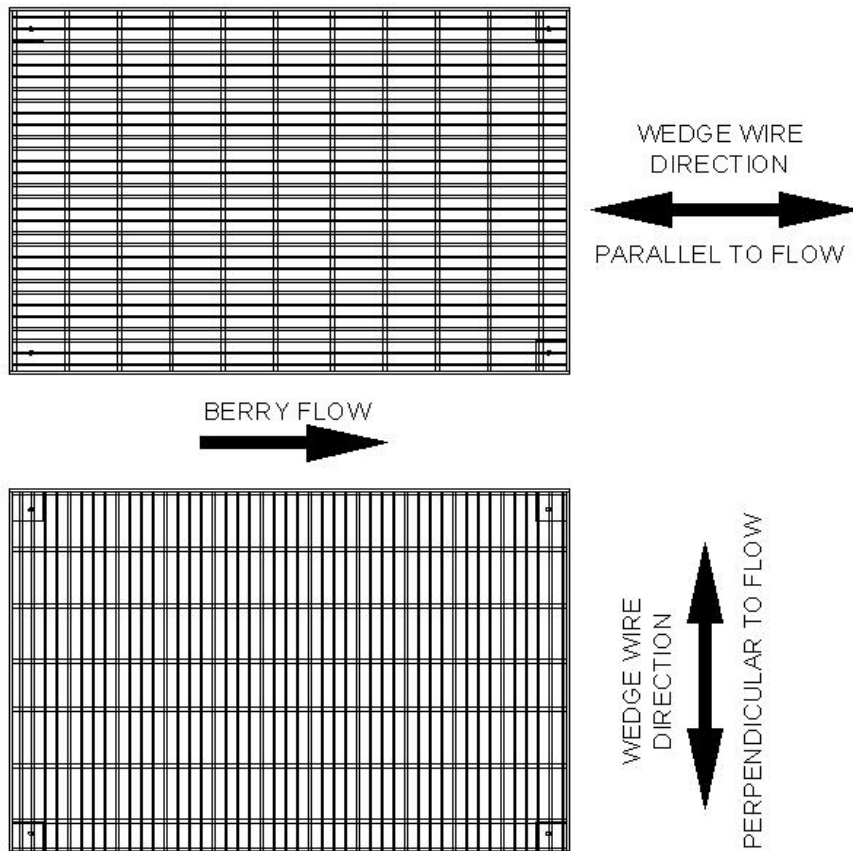
The function of the unit is designed specifically to provide maximum separation of berries and MOG. If the performance is poor then it may become necessary to ensure that the motor and eccentric bearing are rotating in the proper direction.

To do so, remove the drive belt cover and verify by referring to the figure below.



If the rotation is not as indicated, correct by swapping the two power leads at the drive motor junction box.

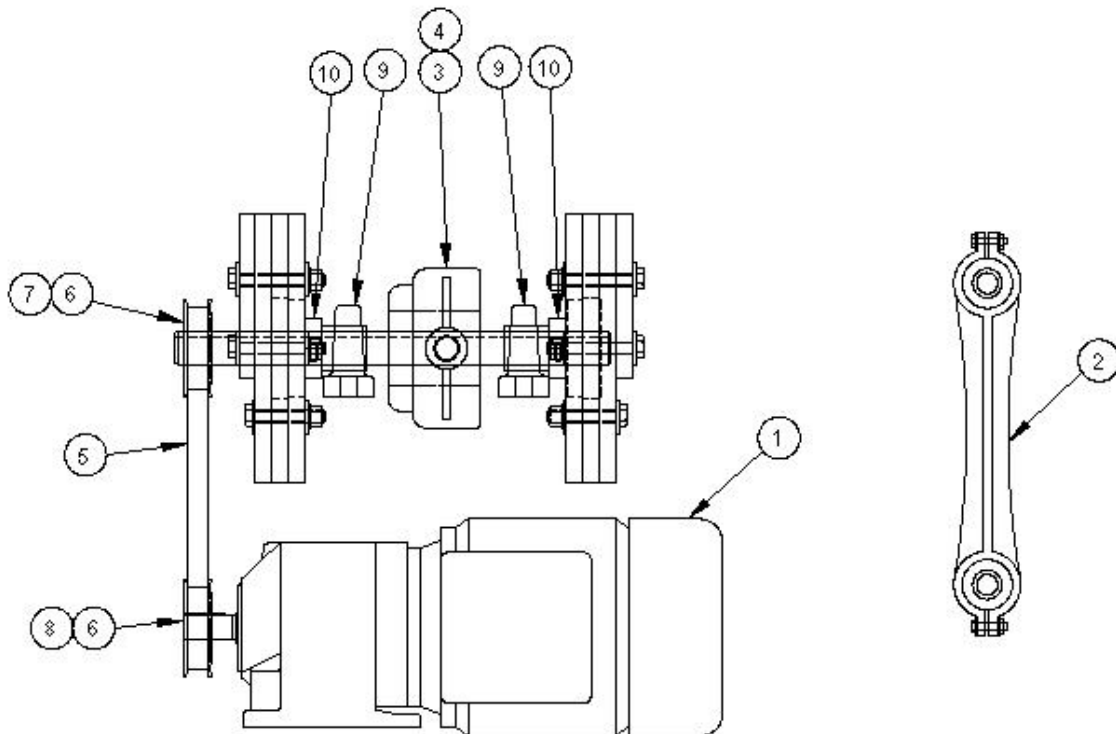
Each unit is equipped with two (2) types of wedge wire sorting screens: one (1) parallel to the flow of berries and one (1) perpendicular to the flow of berries. Each changes the characteristics of the sortation process.



To change the screen:

1. Disconnect the power to the unit
2. Remove the four (4) brass wing nuts on the bottom side of the screen
3. Lift the screen up and out from the top side of the pan
4. Insert the new screen
5. Replace and tighten the wing nuts

SPARE PARTS LIST



ITEM 1

Drive Motor - 1 HP - 493 RPM - 3/4" diameter shaft
mounting position = B3 - terminal box = 1 - cable entry = 2
severe/wash down duty

ITEM 2

Shaker Hangers - 9" long

ITEM 3

Eccentric Bearing - 3/8" throw - 3/4" travel

ITEM 4

Connecting Arm - 3/4" diameter rod - 9" long rod

ITEM 5

Syncro Drive Belt - 21 mm - 11.81" center to center

ITEM 6

Belt Sheave - 21 mm belt

ITEM 7

Taper Lock Bushing - 1" diameter thru bore

ITEM 8

Taper Lock Bushing - 3/4" diameter bore

ITEM 9

Pillow Block Bearing - 1" diameter bore T304 SST

ITEM 10

2 Piece Shaft Collar - 1" diameter bore T304 SST

ITEM 11 (Not pictured)

Swivel Caster with brake – 5" diameter x 1-1/4" wide tread - 325 lb. capacity
- T304 SST construction with Delrin Bushing - Performa Rubber (flat grey)
flat tread 2 Series Tech-Lock brake

ITEM 12 (Not pictured)

VFD Control Panel with 4 Button Pendant Control and 15'-0" cable NEMA
4X - 1 HP - MC series



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