MAXANT
HONEY PROCESSING EQUIPMENT

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MODEL 1400PL RADIAL EXTRACTOR

The 1400PL 10/20 radial extractor must be bolted to the floor or sturdy platform before operating.

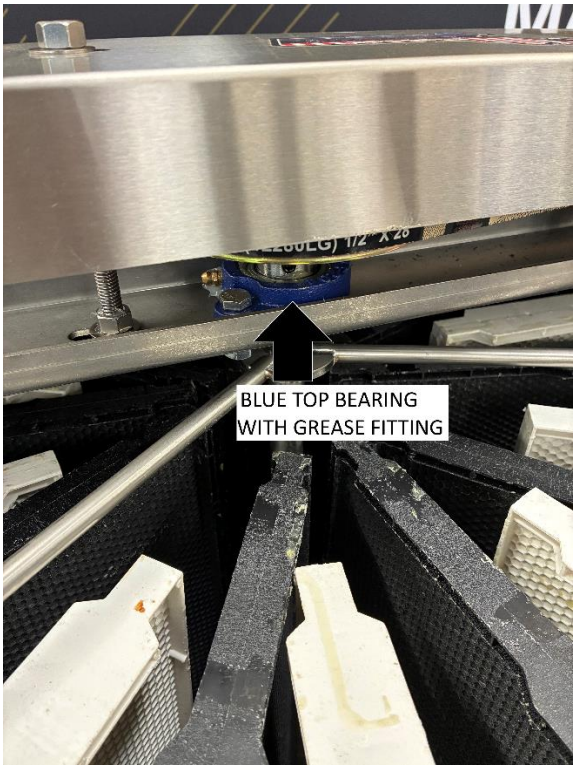
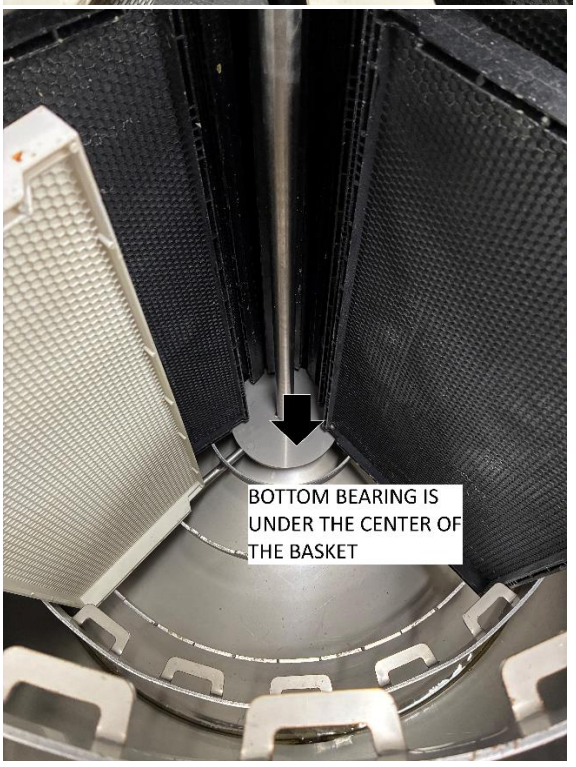
After uncapping the frames, lay them in the machine with the top bar resting in the notches punched from the angle of the inner rings, which makes up the reel. When loaded, the reel will look like a bicycle wheel with the frames representing spokes.

Do not switch on the motor until you are positive the pressure is off the clutch.
Do this by loosening the yellow knob on the top of the machine, turning counterclockwise. It is now time to turn on the motor. Note that the motor runs but not the reel.
In order to start the extracting process you must now slowly turn the yellow knob clockwise to apply pressure to the clutch.
Do not crank the knob all the way down, as this will cause damage to the comb. A slow start is needed to remove the bulk of the honey from the combs. This can take about 15 minutes depending on the temperature of the frames. If you are just starting to use a radial extractor, you need to monitor the progress of extraction by shutting off the motor and allowing the clutch to act as a brake to stop the reel.
You will have to start the extracting back up as if you were starting a new load. Once the bulk of honey has been removed you can increase the speed by tightening the yellow knob of the clutch.

ALWAYS BE SURE TO EXTRACT WITH THE OUTLET OPEN. EXTRACTING WITH THE OUTLET CLOSED, ALLOWING HONEY TO BUILD UP, CAN CAUSE DAMAGE TO THE EXTRACTOR AND THE MOTOR.

How long does it take to run at high speed? This all depends on the temperature of your frames.
Are they going back to the hive? If so, leave them a little wet.
Done for the season? Dry them out by spinning as long as you can.

Cleaning: Spray the inside of the tank with a garden hose, using great care to NOT get the motor wet. There is no need to take apart the machine to clean it. However, if you do remove the reel for any reason, be careful to not lose the ½" stainless steel ball bearing that the reel rides on! We do not recommend the use of any abrasive cleaners inside the extractor. (If you must use something to sanitize it, simple dish soap works).

Maintenance:

- Maintenance Schedule: Typical/Moderate usage should 1-2 times per year.
- Lubricate the leather washer with food safe oil (such as Olive Oil) in the Speed Control and inspect your thrust bearings (See Speed Control Assembly page that is with your machine or on our website maxantindustries.com/resources/)
- With an automotive grease gun with a flexible hose, apply food grease to the top and bottom bearings using the Zerk fittings on each bearing. (See Photos Below)