

## What's the LTLR Series Label remover?

In daily life, we can see all kinds of plastic bottles everywhere. After use, it usually needs to be recycled. Obviously, it is indispensable to remove the label of the bottle body, which uses a kind of equipment, that is, the LTLR Series Label remover. Next, this article will introduce the LTLR Series Label remover in detail, as well as its maintenance and precautions.

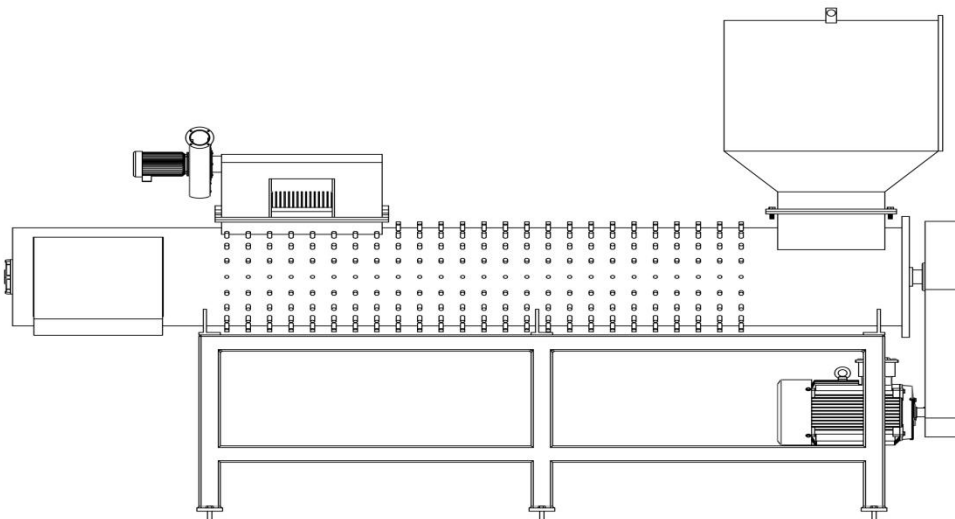
### 1. Definition of LTLR Series Label remover

The LTLR Series Label remover is a device that removes the label paper from all kinds of PET bottles, and at the same time performs preliminary washing of the attached silt and dirt. It mainly meets the production needs of the PET washing line during the period the PET bottle remove the label. The successful research and development of this product have completely changed the status quo of manually removing labels in the past. At the same time it improved production efficiency and reduced worker intensity, and will produce good economic and social benefits.

### 2. The Mechanical structure of LTLR Series Label remover

The main body of the machine is divided into three parts:

(1) Feed hopper; (2) Main barrel; (3) Separation chamber.



### **3. Application scope of the LTLR Series Label remover**

The label remover is mainly used for the high-efficiency removal of labels for vacuum bottles such as PET mineral water bottles, beverage bottles and oil bottles.

### **4. Application of the LTLR Series Label remover**

- (1) Separate PET bottle body and label paper;
- (2) The prelude work of before the crushing of the PET production line;
- (3) Greatly improve work efficiency and replace manual production.

### **5. Working principle of the LTLR Series Label remover**

The working principle of the machine: the bottle material is self-feeding. The main shaft is equipped with 130 alloy blades and the center line of the main shaft has a certain angle with spiral rotation. The PET bottle is transported to the discharge, and the alloy knife on the blade peels the label. There is a bellows separation chamber at the exit to separate the peeled label from the PET bottle body. The label paper is blown out from the right mouth, and the PET bottle falls directly.

- (1) The claws on the blade easily peel the label.
- (2) After the label is removed, the bottle and the label can be separated automatically.
- (3) Remove rate: about 95%.
- (4) Output capacity :  $\geq 500\text{kg/h}$ .

### **6. Common faults and solutions**

#### **6.1 Fault 1: The spindle does not rotate.**

Causes: damaged V-belt at the main motor or damaged bearings.

Solution: Check the pulley and V-belt. If the belt is damaged, replace the belt, or replace the inspection bearing.

**6.2 Fault 2: The machine has a low removal rate or the off-standard is not clean.**

Causes: tool wear is severe or tool is damaged.

Solution: Replace the damaged tool.

**6.3 Fault 3: V-belt damaged.**

Causes: Long-term, high-intensity work causes rubber aging.

Solution: replace the new V-belt.

Finally, if there are any questions about the LTLR Series Label remover you are currently using, you can feel free to contact us.

**7. Routine maintenance**

For the label remover, if you want to keep good quality and high efficiency, you must carefully maintain it. The maintenance of the label remover mainly has the following 5 ways:

(1) Regularly check if the oil quantity of the lubricating pump oil tank and the base oil tank of the machine is sufficient. Check the reliability of the lubrication system and lubricate the moving parts as required.

(2) Regularly check the leakage of the pipe of the machine and the fastening status of the fasteners.

(3) Always check if the safety device of the machine is normal and effective, especially after changing the mold. Check whether mechanical insurance has been adjusted accordingly. Regularly check the ground connection, the insulation of electrical components and the aging of wires.

(4) Regularly check the condition of the oil filter or packing, and clean and replace it in time. Always pay attention to if the oil is contaminated and deteriorated. When the hydraulic oil becomes dark brown and emits an odor, it is a sign of oxidative deterioration, and the hydraulic oil should be replaced as soon as possible. When there are small-black-spots or transparent bright spots in the hydraulic oil, it means that impurities or metal powder are mixed in, and it should be filtered or changed.

(5)The cooler needs to be soaked and cleaned with carbon tetrachloride solution every 5 to 10 months of operation.

Finally, if you have any difficulties during maintenance, you can talk to us and we are willing to make suggestions for you.

## **8. Notes**

(1) Bearing: the shaft carries the full load of the negative machine, so lubrication has a great relationship with the bearing life. It directly affects the service life and operating rate of the machine, so the injected lubricant must be clean and sealed. The main oil injection points of this machine are rotating bearings, roller bearings, all gears, movable bearings, sliding planes.

(2) If the oil temperature of the bearing of the machine rises up, it should be stopped immediately in order to check the problem. If there is an impact sound when the rotating gear is running, it should be stopped immediately for an inspection.

(3) The plane of the chassis where the mobile device is placed should be free of dust and other objects. In order to prevent the machine from encountering unbreakable materials, the movable bearing can't move on the chassis, resulting in a serious accident.

If this page still not solve your questions, we can talk about your questions and discuss it, just tell me!

Just call me if you want: 008617361621611, my name is Amy