

# Diesel Oil Heating Industrial Chain Plate Belt Type Drying Equipment DL-6CHL-CY User Manual



**Note:**

In order to reduce the degree of injury, please be sure to read this instruction manual carefully before using this machine.

Please follow the instructions in this manual.

The manufacturer reserves the right to change specifications without notice.



泉州得力农林机械有限公司  
Quanzhou Deli Agroforestril Machinery Co.,Ltd.

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**Quanzhou Deli Agroforestril Machinery Co.,Ltd**

Dear Customer:

Thank you for using the "**Deli Assistant**" brand tea machinery equipment, our products will become a good helper for your tea.

Before using this product, please read the "Instruction Manual" carefully to understand the structure and performance of the machine, master the use, maintenance, maintenance and troubleshooting methods to ensure that you can complete the task efficiently.

- Please read the "Instruction Manual" carefully



- Attention warning sign and working voltage



- Be sure to be firmly grounded



- Attention to mechanical injury



- Please pay attention to safety protection



- Pay attention to prevent burn



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## 1. Product structure and characteristics

1.1 This product is made of national standard steel materials, which are manufactured by precision processing and have a neat appearance.

1.2 The heating equipment is partially imported from Japan. Accurate computer program control, can make full use of fuel to automatically achieve thermal efficiency \_ energy saving and environmental protection.

1.3 This equipment control box is made of high quality fittings, materials and structures. It can automatically control temperature, adjust temperature, speed, and blade speed, which can improve the quality of tea products and set according to their own needs.

## 2. Operation and maintenance and repair

### 2.1 Control box

1 transmission speed control film; 2 fan speed control film; 3 material speed control package; 4 connector; 5 main switch; 6 fuse; 7 indicator light (power supply);

### 2.2 Operation process and maintenance and repair

First turn on the power switch (220V contact line);

Drive (plate blade) switch, adjust the appropriate speed (900-1200 rev / min) as needed;

Open the rice switch (snap tea leaves to adjust the appropriate thickness) to make the tea even;

Turn on the fan switch, the general wind speed is adjusted to (900-1200 rev / min);

Set the required temperature (120 ° C - 150 ° C) and then turn on the oil switch to make the burner work properly. (If it does not start, please check the tubing or re-press the button of the oil machine)

Wait until the temperature reaches the desired temperature and then turn on the dust switch. (When the good humidity comes up, the tea leaves are sent to the blade and then the air volume is slowly adjusted).

## 2.3 Fan maintenance and repair

The fan has a motor on which three blades are driven, and the bearing parts are often greased.

- A. The drive motor is connected to the reducer below (to add oil)
- B. Sewing tightness
- C. Belt tightness
- D. Add butter to the bearing parts

## 3. Common faults and troubleshooting methods

3.1 Automatic stop does not rotate

- A. Check if the fuse is blown, if it is blown, replace the fuse;
- B. Check if the external power supply is imported or not connected;
- C. Check, electronic film, fuse is blown, if it is badly replaced;
- D. Check if the motor, belt and slack are intact, if not changed.

3.2 The plate blade drive cannot be rotated to check whether it is buckled or the fuse is burned.

3.3 The temperature can not be stabilized, check the temperature meter, temperature line, failure and disconnection (does not open Fan speed).

## 4. Burner maintenance

Fault phenomenon	Failure analysis	Approach
1. The motor does not turn or run abnormally	<ul style="list-style-type: none"> <li>1. The electric eye is sensitized before ignition, and the program stops automatically;</li> <li>2. The thermal relay is not reset after the action;</li> <li>3. The wiring is loose or open;</li> <li>4. The AC contactor is faulty and the coil or contact is burnt out;</li> <li>5. The fan blades are caught by foreign objects;</li> <li>6. The oil pump is damaged and the rotation resistance is too large;</li> <li>7. The motor is faulty, the bearing is damaged or the coil is burnt out;</li> <li>8. The program controller is faulty.</li> </ul>	<ul style="list-style-type: none"> <li>1. Check the installation direction of the electric eye and damage it.</li> <li>2. Restart after reset;</li> <li>3. Rewire;</li> <li>4. Replace the AC contactor;</li> <li>5, dismantling and checking, removing foreign objects;</li> <li>6. Remove the oil pump for repair or replacement;</li> <li>7. Replace the motor.</li> </ul>
2. The oil chestnut works abnormally, and the oil supply or oil pressure is unstable.	<ul style="list-style-type: none"> <li>1. The filter inside the pump is blocked;</li> <li>2. Air leakage from the oil supply line;</li> <li>3. The gas pump generates a gas plug;</li> </ul>	<ul style="list-style-type: none"> <li>1. Remove the filter to clean it;</li> <li>2. Check for leaks and eliminate leaks.</li> <li>3. Open the exhaust valve to exhaust the gas;</li> <li>4. Replace the oil pump;</li> </ul>

	<p>4. The oil pump is seriously worn; 5. The vacuum of the oil supply pipeline is too high; 6. The coupling is damaged and cannot be rotated;</p>	<p>5. Increase the position of the fuel tank and reduce the vacuum of the pipeline.</p>
<p>3. The ignition transformer does not discharge or produces an abnormal spark.</p>	<p>1. The electrode has carbon deposits or dirt that affects normal discharge; 2. The position of the electrode changes and the spark is not normal; 3. The ignition transformer is burnt out; 4. The high voltage wire connector is detached or broken down; 5. The program controller is faulty.</p>	<p>1. Remove dirt and keep the electrode clean; 2. Adjust to the normal position; 3. Replace the transformer; 4. Rewire or replace the high voltage line; 5. Repair or replace the programmer.</p>
<p>4, the nozzle does not spray oil</p>	<p>1. The nozzle is clogged; 2. The solenoid valve coil is burnt out; 3. The solenoid valve plug is blocked or stuck; 4. Flame detector failure; 5. The program controller is faulty.</p>	<p>1. Remove the nozzle to disassemble and clean; 2. Replace the coil; 3. Disassemble cleaning or replacement; 4. Inspection or replacement; 5. Overhaul or replace.</p>
<p>5. It can't be ignited normally or it will automatically turn off after successful ignition.</p>	<p>1. The damper is too large to blow out the flame; 2. The ignition electrode position is not suitable; 3. The water in the oil is too high to burn normally; 4, low oil pressure, poor atomization, affecting combustion; 5. Nozzle wear or fog angle is not suitable; 6. Flame detector failure; 7, the program controller failure</p>	<p>1. Re-adjust the damper; 2. Readjust the electrode position; 3. Replace better fuel; 4. Adjust the oil pressure appropriately; 5. Replace the nozzle; 6. Inspection or replacement; 7. Overhaul or replace.</p>
<p>6. Black smoke when burning.</p>	<p>1. The damper opening is too small; 2. The oil pressure is too low and the atomization is not good; 3, the oil filter is blocked, affecting normal atomization; 4. Excessive ash accumulation or blockage of the air duct; 5, the nozzle leaks oil; 6. The position of the flame plate is not suitable; 7. The furnace pressure is high and the matching is not suitable.</p>	<p>1. Adjust the damper appropriately; 2. Adjust the oil pressure appropriately; 3. Remove and clean; 4. Disassembly and cleaning; 5. Retighten the seal or replace it; 6. Adjust the correct position according to the instructions; 7, replace the nozzle or replace the large wind pressure ignition</p>
<p>7. Vibration of the body during combustion.</p>	<p>1. The installation of the body is not strong;</p>	<p>1. Reinstall firmly; 2. Readjust the amount of</p>

	<ul style="list-style-type: none"> <li>2. The amount of combustion is too large;</li> <li>3. The position of the stable flame plate is not suitable, which affects normal combustion;</li> <li>4. The burner or nozzle is not properly matched.</li> </ul>	<ul style="list-style-type: none"> <li>combustion;</li> <li>3. Adjust the position of the flame plate;</li> <li>4. Replace the nozzle or replace the burner.</li> </ul>
8. Fire immediately after starting, and then stop.	<ul style="list-style-type: none"> <li>1. The solenoid valve is faulty, the valve core is stuck and cannot be closed or closed, and the oil is leaking;</li> <li>2. The program controller is faulty.</li> </ul>	<ul style="list-style-type: none"> <li>1. Repair or replace the solenoid valve;</li> <li>2. Repair or replace the programmer.</li> </ul>

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