

Introduction

1. Name of major component



2. Working Principle

Hydraulic oil press machine use the hydraulic oil to transmit pressure, purely physical pressing, without damaging the oil quality, based on the principle of liquid static pressure transmission to the hydraulic pressure as the transmission medium to squeeze the oil and then pressed out of a squeezing oil equipment. This machine is a closed circuit system composed of two parts of the hydraulic system and the oil press main frame. Hydraulic press squeezing method is a purely physical method of squeezing oil.

3. Working steps instruction

Before goods deliver, Normally we assemble the main machine with motor and hydraulic station well. And we test the machine to make sure it run well before delivery. So Client receive the goods only need add the H46 hydraulic oil and connect the electric line is ok.



1. Install electricity control box



2. Connect electricity wire and pressure testing tube



- 1) Power wire, it's 220v 50hz/60hz single phase, connect your local plug
 - 2) Heating circle wire
 - 3) Hydraulic pump station wire
- Please ask your engineer to help to connect.

3. Make sure tube joints are in well condition



4. On the station have motor, pressure gauge,hydraulic oil box. Add H46 hydraulic oil (tips: you can buy it in mechanic shop/car repair workshop, H46 model)



In the corner, there is a hole to fill the H46 Hydraulic oil. Different model add different Liter Hydraulic oil. For example 6YZ-150 add about 20kg in the first time. (After filling, as long as there is no leakage, you can use it all the time. If less, continue to add. The manual says that it should be changed once a year, which can be filtered and reused. As long as there are not many impurities in the oil, it can be used continuously.)

5. After everything u check is ok and electric connect well. Now let us try to test the machine.

1) Connect power plug, green button will light on.

The yellow one is heating switch. When u want to heat oil, u can open it. .

Top was temperature controller. The temperature can adjust by hand. When the light turn green it means it was heating working. Normally set in 50-60 Degree.



2) Check pressure gauge, normally we set well before deliver. When u found not in 45-50 MPA, u can adjust via pressing red part. We have some client they don't want to do high pressure pressing, and they adjust range between 20-30Mpa firstly.



3) Adjust pressure handle at this direction,



4) Put material into barrel

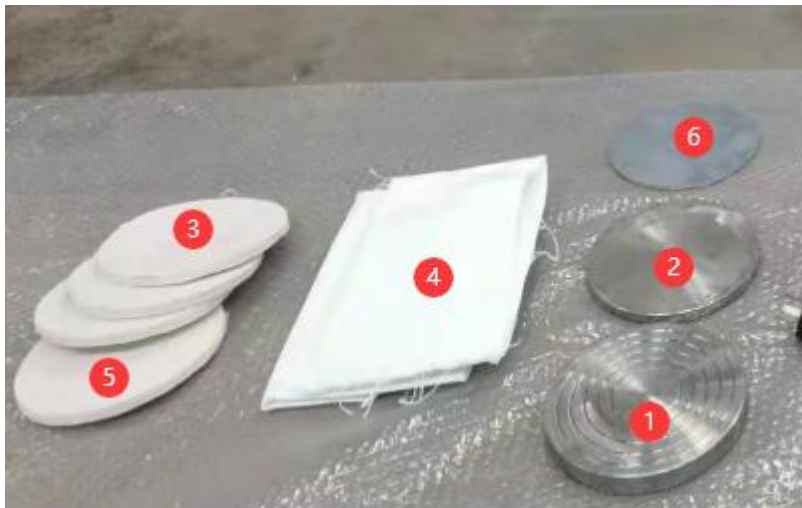


Plate 1 - Plate 2 - Pad 3- Load material into bag 4 - Pad 5 - Plate 6



5) Lock nut



5) Switch on pressing button and observe the pressure gauge, if it rises from 0mPa to 50Mpa.



When machine working, the hydraulic will supply pressure to the piston to push it to Top. For model 150, you can load around 2-3kg cocoa liquor per batch, and waiting for around 10 minutes pressing until you find there is no oil out, and we can over this batch pressing.

Next, how to take out cocoa cake.

1) Switch off pressing power, and the you will find pressure down to 0 (Observe pressure gauge)

2) loosen cover, and prepare to take out cake. You will find they have been tighten inside.

Then let's switch on pressing power. You will find piston is rising, and quickly open and close the switch to control the height of top press plate. When you see the plate, please turn off power switch. Don't let piston over too more or it will be hard for downing piston. (Because 6YZ-150 is smallest model, and new machine, piston is tightly engaged, 150 type piston is relatively light, and over 180 type piston is heavy enough to automatically lower after pressure relief.

3) Adjust pressure handle, and press pressure release.

