

# Manual Book



## **Automatic Oil Press Machine**

**Model: GTO-101**



## INTRODUCTION

- |                     |                            |
|---------------------|----------------------------|
| 1. Main Machine     | 2. Hopper                  |
| 3. Trim Hand Wheel  | 4. Chamber                 |
| 5. Heater           | 6. Lead Slag               |
| 7. Oil Guide Groove | 8. Cover                   |
| 9. Filter Screen    | 10. Protect Switch         |
| 11. Electrify       | 12. Heating                |
| 13. Reversion       | 14. Stop                   |
| 15. Start press     | 16. Temperature Controller |

## PRODUCT DESCRIPTION

- Mini Commercial Oil Press Machine is used for Pressing of Peanuts, Coconut, Sesame, Soybean, Walnuts, Sunflowers seeds, Vegetable seeds, Flax seeds, Almond, Castor Seeds, Mustard seeds and so on.
- Oil extracting that is depends on the oil seeds.

## OPERATION

1. Connect to the power and turn on the switch. 220V- 50 Hz, please use the single phase three socket, the outlet should be a reliable ground protection.
2. Push on the power switch "10", power indicator "11" shine means power on.
3. Pressing heating switch "12", waiting 10 min to heating. No need to turn off the heating switch.
4. **How to Set Temperature in Controller:**



"B" is Select button, "C" is reduced button, "D" is increase button. how to adjust temperature for 280C. 1<sup>st</sup>, Turn on heating switch and press "Set" button. 2<sup>nd</sup>, Press "B" button, when "AT" number light, press "C" or "D" to adjust number for 2. 3<sup>rd</sup>, Press "B" button, when "AL1" number light, press "C" or "D" to adjust number for 8. 4<sup>th</sup>, Press "B" button, when "AT" number light, press "C" or "D" to adjust number for 0. 5<sup>th</sup>, press "Set" button again, it will show 280C, then wait for 10 minutes (Never turn off the heating switch in processing oil process)

5. First put a small amount of raw material for pressing, to test whether the machine can be normal operation. Put the material in the hopper "2", fine tuning the trim hand wheel "3", clockwise turning the hand wheel, do not rotate around 360 degrees.
6. Press start button "15", if any abnormal press "14". If any foreign body enter the pressing chamber, stop the machine and press reversion button "13", when foreign body out of machine then continue pressing.

7. Press the button “12” when materials pressing finished. And let the machine working empty for 3-5 minutes. Turn off “12” and “14”.

## Main Material Oil Yield Rate

Raw Materials	Oil yield rate	Raw Materials	Oil yield rate
Sesame	42-55%	Sunflower seed	35-45%
Peanuts	35-50%	Walnut	45-55%
Rapeseed	30-35%	Flaxseed	30-36%
Coconut	40-45%		

## MATERIALS

COCONUT: Make small pieces of dry coconut and set temperature to about 80-100°C. After 5-10 minutes push squeezing button and then input coconut to hopper.

(Note: 15 minutes after squeezing started, off heating if you fill enough heating.)

PEANUT: Roast the peanut and then add 10 - 12 % water, continue roasting for some minutes. Until the water dries out, this can make the oil purer.

SESAME: Black sesame can be pressed directly. White sesame need to like the peanut. Add 10 - 12 % water and then roast.

CAMELLIA SEED: Roasting till dry fully. And can press with shell.

## ATTENTION

1. Operators must understand the technique and performance of oil press machine, so that can operate independently.
2. Prohibited metal or other hard objects into the pressing chamber. Do not use the metal bar into feed inlet.
3. When pressing screw shaft jammed, not troubleshooting, prohibit forced to start, to avoid damage to parts and other accidents.
4. The oil cake should cool to below 40 deg. So that can be stacked and packaged to prevent spontaneous combustion.
5. Prohibit use high-power motors to drive the oil press.
6. While the machine is working, the operator shall not leave.

## DISASSEMBLE

1. Press the reverse button to make the machine swivel back for 30 seconds so that the pressing chamber and screw can be easily separated.

# OIL Press Machine GTO-101

2. Do remember to put on gloves for disassemble the pressing frame when the extraction is just finished. OR let the machine cool down for a while and then disassemble.
3. Take out the pressing screw and chamber.

## **MACHINE PARAMETERS**

Model: GTO-101	LxWxH: 70x29x71 CM	Weight: 53 Kg
Voltage: 220V/50Hz	Capacity: 20 Kg/hr	Power: 2000 W

## **COMMON PROBLEM AND SOLUTION**

1. If any foreign body enter the pressing chamber: - Stop the machine and press reversion button, when foreign body out of machine the cleaning the chamber and screw, continue pressing.
2. Screw cannot take out from chamber: - Put it the machine and let the machine idle away 5 minutes.
3. Power off above 30 minutes: - Stop adding material, turn off power and plug. Clear the hopper. When power gets on, continue pressing after heating about 20 minutes. If the oil press machine still cannot be working normally, the please get out the chamber and screw. After clear them, start to press again.

Temperature Controlling Range	
MATERIAL	TEMPERATURE (°C)
Peanuts	180-220
Sesame	170-220
Mustard	180-210
Flax Seeds	170-200
Almonds	180-220
Sunflower	180-210
Coconut	60-100
Safflower	190-210
Walnut	160-190
Kalonji	120-150
Soybeans	170-210
Castor	180-220
Moringa Seeds	80-120
Malkangni	60-80