

BEAN AND COCONUT GRINDER INSTRUCTION MANUAL

一、 TECHNICAL PARAMETER

Model	Capacity (kg/h)	Dynamic Speed (r/min)	Spindle Speed (r/min)	Power	Voltage	Size (MM)
TT-F130	45	2800	940	2200 W	220V/380V	620*320*880

二、 INSTRUCTIONS

1. Installation: Connect the power according to the given voltage, use of the leakage protection switch and be sure to connect the machine to the ground to prevent the danger of power leakage. **The rotation direction should be consistent with the cover logo.**

2. Baking/Roasting sesame: Be sure to clear of sesame leaf stems, iron sand, stones and other debris (or damaged wheel, or thick pulp and lower oil yield). And then wash clean in water, roast according to the traditional process . At the beginning to use of big/strong fire, so that the moisture/water in the sesame coming out and then use small fire. Sesame should not be roasted coke outside but raw inside. (grinding sesame paste, fry to internal pale yellow; grinding sesame oil, fry to internal date - paste color). When it is ready, act quickly, and let smoke release from sesame . Sieve with No. ten sieve to prevent debris blocking control device. Fried sesame is better to be used immediately, if it needs to store, put in plastic bag ,sealing. **If it gets wet, it will cause thick pulp or no pulp.**

3. Baking/Roasting peanuts: First clear shells and dregs in the peanuts, then fry peanuts until light yellow. When grinding , you must get rid of the peanuts skin, so that the sauce is finer.

4. Start up: First coat edible oil on the two pieces of grinding wheel contact

surface, then cover the lid and lock the clasp. Next adjust the handle toward the thick direction until the dynamic and static grinding wheel without contact flexible rotation then you can start up the motor. (**Note: do not use water to clean the grinding wheel, or no pulp or paste, and also you must replace the grinding wheel with a new one.**)

5. Production operation: Adjust the handle toward thin direction evenly and slowly, hearing faint scratching, (after the power supply is cut off it can still turn a few seconds). Then adjust the hopper rod and close the control device, feeding the cooked sesame, slowly adjusting the rod, opening the control device and it will begin to produce.

After it works 3-5 minutes, observe if the pulp or paste is overheating. if there is smoke from the pulp mouth, adjust the grinding wheel to think direction slightly. It is the best that the pulp or paste is fine, but no smoke.

If dynamic and static grinding wheel are parallel (i.e. dynamic wheel and static wheel contact 100%), the machine will work the best which should not be ignored. If they are not parallel, adjust them referring to Part 5--maintenance 1.2.3. (the machine has been adjusted well before it leaves the factory, so don't adjust it randomly.)

6. The control device must be taken off when you grind peanuts; then slowly feed peanuts into the hopper.

7. Stop: When the work is done, stop the machine. (Note: the lid /cover should not be opened before it stops completely.) Then clear the paste thoroughly. (**Note: do not use water to clean the grinding wheel, otherwise no pulp or paste, and also you must replace the grinding wheel with a new one.**)

8. Oil taking: If takes sesame oil, do according to traditional method.

三、 MAINTENANCES

1. Static wheel replacement: take off the cover, unscrew the fastening screws on the circumference of the wheel seat, then loosen the three nuts on the wheel seat, taking off the countersunk screws and you can replace the static wheel.

When installed, three disc spring washers are padded on the three holes respectively, place static wheel on them, draw the protection cover down, and put in the three countersunk screws, slightly tighten the nuts (not too tight). Coating the static grinding wheel contact surface with colored chalk, draw down the cover, and take off pulp out mouth from the pulp mouth. Turn the dynamic wheel with hand, adjust the handle, and give out the sound of scratching, after several revolutions, open the lid to check if the static wheel friction surface is up to 100%, if not, adjust the three screws according to loosen--tighten method to achieve complete contact, then tighten the screws on the wheel circumference.

2. Dynamic wheel replacement: loosen the screws on the circumference of the wheel seat, unscrew the fastening bolts, take off the dynamic protection cover and the dynamic wheel, then you can replace it with a new one.

When installed, the positioning screws must be inserted, accurately, in the little round holes on the back of the dynamic wheel. Tighten the fastening bolts, and then tighten the fastening screws on the circumference of the wheel seat, in case the wheel is not parallel or damage.

3. Leveling the wheels: the first step: coating the static grinding wheel edge contact surface with colored chalk, installing the machine cover, adjusting the handle to dynamic and static grinding wheel touch slightly, removing pulp mouth, then put your hand into the machine to pull the dynamic wheel with your fingers, after rotating 2-3 revolutions, removing the cover, check the dynamic wheel contact surface; the place where is colored is the highest, then wear off the colored part evenly with waste grinding wheel; repeat this operation again and again until the

dynamic wheel contact surface is colored all, then the dynamic wheel is parallel

The second step: taking the dynamic wheel as the benchmark, replacing the color of the chalk and covering the dynamic grinding wheel with the colored chalk, then check the static wheel coloring with the method of the first step; the place where is colored is the highest then wear off evenly with waste grinding wheel and repeat this process until the static contact surface is colored all, which proves the static grinding wheel is parallel.

4. Maintenance: after a year of usage or unused for a long time, the whole machine and electric motor must be given a careful maintenance and kept in ventilated and dry place. When it is used again, use wire brush to brush off the dry sesame/peanut paste.

四、Removal of Fault

Fault	Cause	Removal of Fault
Electromotor not working	<ul style="list-style-type: none"> ✧ Power failure ✧ Grinding wheels too tightly attached ✧ Operating with the machine stuffed ✧ Electromotor burnt out 	<ul style="list-style-type: none"> ➤ Find out causes and remove ➤ Adjust the wheel (the handle) toward the wider end until it runs smoothly ➤ Remove the stuff inside, feed after the machine started up
Sudden stop or high, temperature of electromotor	<ul style="list-style-type: none"> ✧ Too much oilseed stuffed ,overloaded ✧ Grinding wheels locked by hard substance ✧ Voltage too low 	<ul style="list-style-type: none"> ➤ Feed less ➤ Open the cover, check the grinding wheel and remove the hard substance ➤ Avoid peak hours of electricity consumption or adjust voltage
Wheel breakage	<ul style="list-style-type: none"> ✧ Grinding wheels unparallel, friction heat uneven 	<ul style="list-style-type: none"> ➤ Level the grinding wheels, make them run evenly

damages	<ul style="list-style-type: none"> ✧ Grinding wheel too tight temperature increasing swiftly 	<ul style="list-style-type: none"> ➤ Slowly adjust the grinding wheels toward the wider end until they touch each other
Efficiency decrease or Oilseed blocked	<ul style="list-style-type: none"> ✧ Grinding wheel too tight ✧ Too much oilseed stuffing the barrel ✧ Grinding wheel abrasion ✧ Kickoff on the cap of the grinding wheel damaged 	<ul style="list-style-type: none"> ➤ Loose the grinding wheels appropriately ➤ Stop the machine, clean the wheels and barrel, feed less ➤ Change grinding wheels
Coarse sesame paste failing to flow of the outlet	<ul style="list-style-type: none"> ✧ Sesame or peanut not fully parched or moistened ✧ Grind wheel uneven ✧ Grinding wheel too tight 	<ul style="list-style-type: none"> ➤ Parch sesame or peanut again ➤ Level the grinding wheel as MAINTAINANCE,3 ➤ Loose the grinding wheels appropriately

五、 Notes

1. Please operate as the specification shows.
2. Make sure to earth when operating.
3. Don't star up with the machine stuffed.
4. Cut off the power supply when disassembling and assembling the machine.
5. The grinding wheels is an import fitting part, and its quality is directly relevant to the technical of the machine. We produce special purpose grinding wheels(proprietary articles)with fine material and processing crafts, which we recommend you to purchase from our agents or agents or write to order. Customer are responsible for deficiency in the technical characteristics of the machine caused by forged grinding wheels.
6. Grinding wheels Must not be cleaned with water otherwise oilseed can't be fed. Clean the wheels with dishcloth.