

Vacuum Tumbler

The INSTRUCTION

(Operating the equipment must be familiar with this manual before)

Vacuum tumbler machine

Principle.....
structure profile.....
machine installation.....
operation.....
maintenance and repair.....

一. working principle

Vacuum tumbler machine in vacuum condition, using the physical impact principle, let materials in a barrel roll up and down, hit each other, turning friction produces large area evenly distributed massage and pickled role, flooding in material evenly in the liquid distribution more conducive to salt tolerance protein with the fastest speed and maximize the children, thus increasing the products with good water, improve the product flexibility, slice sex and taste, extremely in the degree of the product yield, improve product, at present, our production of vacuum rolling and kneading machine according to the volume of GR20, divided into: GR50, GR100, GR200, GR500, GR1000, GR1600, GR2500, GR3500.

二. Structure introduction

Vacuum tumbler machine main cylinder parts, transmission parts, vacuum system, electronic control parts etc.

Roller drum spindle, in and out in part by the cover material etc.

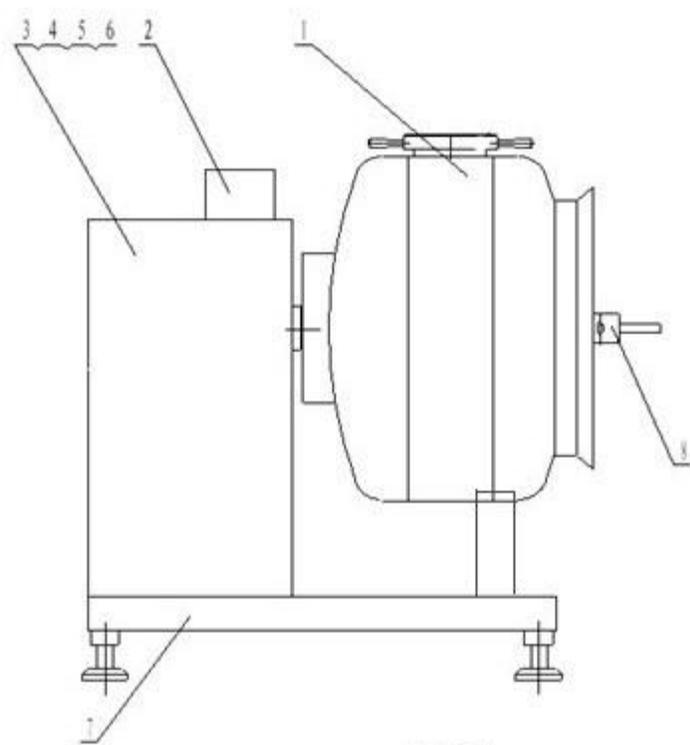
Transmission part by electric motors, deceleration machine, wheel, chain etc.

The vacuum system mainly by the vacuum pump, electric node table, filters, vacuum pipeline, etc.

In part by the electronic control panel and control box composition. Control box has three digital display time relay, set up separately for the drum rolling and kneading time/rest time (roller rolling and kneading a period of time after time machine operation) of all time; If the system equipped with human-machine interface, which can be directly in the man-machine interface set time, need not time relay.

Frame made by stainless steel, all components are installed on the frame and the frame, in order to install a grounding wire and the bolt.

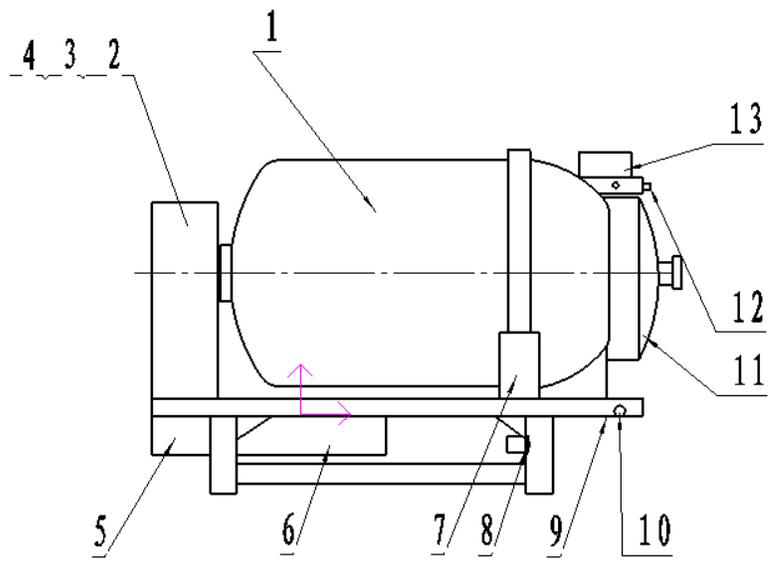
GR20 / GR50 / GR100 model is as follows:



技术要求

1. 滚筒 2. 电器盒 3. 罩 4. 链轮 5. 链条 6. 减速机
7. 机架 8. 进出口

1. Roller 2. The electrical box 3. The sprocket cover 4. The sprocket 5. The chain
6. Reducer
7. Ladder frame 8. In and out of material mouth
GR100 / GR200 / GR500 / GR1000 / GR1600 / GR2500 / GR3500 model is as follows:



1. Roller
2. The sprocket cover
3. The sprocket
4. The chain
5. Vacuum pump
6. Reducer
7. Roller
8. Filter cartridges
9. Ladder frame
10. Grounding screw
11. In and out of material mouth
12. Suck material mouth
13. The electric

三. machine installation

1. The machine should be laid on the ground level. **Move machine, can only on the frame in the roller strength, not strength, lest cause parts damaged or fall off hurt.**
2. Three phase 220 v / 60 hz.
3. The power supply into the machines should be isolating switch (user should bring along their own).
4. The machine should have reliable grounding lines. In the side of the fuselage ground symbol.
5. Drum motor wiring should press "rolling and kneading" roller clockwise vacuum pump motor wiring should make motor turns pulley arrow in turn by.

四 operation

1. The pack material

Open the roller in and out of cover material (counterclockwise on the cover of the handwheel), will the pieces and other ingredients to join roller. And then cover material and in and out of the roller cover clockwise handwheel will cover moderate pressure.

Tip: don't allow will dry starch powder materials such as directly added to roller, lest its inhaled in vacuum pump, causing damage to the equipment. If you need to add ice, its size should not be more than 80 x 80 x 80 mm.

2. The operation parameters Settings

1) according to the production process requirement, can by adjusting the time relay, set the time parameters.

Rolling and kneading/rebirth time by adjusting the parameters set time, unit of time can choose namely H (hours), M (minutes), S (in seconds). Time relay are already tagging above.

Running time: the regulating time relay (KT2) set time parameters at this time. This time, automatic stop running over. Unit of time can choose.

2) with human-computer interface of rolling and kneading machine can be through the man-machine interface set time parameters, vacuum, discharging and adjusting method. And can store 99 recipes, and user-friendly. After power equipment, display bright, and next to that

In the first time use and process have changes need to set the right values (unit for points), according to set store set value. Steps: Settings-choice-to return.

Setting process finished, then can start working. Screen below have vacuum, rolling and kneading, discharging, stop button, the corresponding action is: the vacuum-equipment to begin the automatic air extraction, until it reaches the vacuum degree set automatically stop, below the set to be automatic running. Rolling and kneading-press rolling and kneading automatically execute the set value, until after the working process of the stop

The material-rolling and kneading work process ended, according to the material can will roller from the materials in the clean
Stop-the equipment will all stop work, but also the transformation process and numerical setting should step

五. Maintenance and repair

1, often check the machine (machine have grounding ground symbol), and ensure the safety is reliable.

2, should protect good material for vacuum cover in and out of the mouth, and cover the water in the sealing ring (mat) and seal face, so as to avoid the leak is no guarantee that vacuum.

3, long after the operation, the spindle can wear sealing ring, causing a flat. Should change in time sealing ring, seals model XYZ-16.

4, motor overload protection of the reset:

During operation such as for overload or power cut in motor overheating, will make automatic protection parking. This time single speed type vacuum rolling and kneading machine will "roller" knob to "stop" spin position position. Then check the power supply is whether there is a break to ensure there is no broken phase will again after thermal relay reset (press the reset the handle can).

5, rotary vacuum pump maintenance: chip

(1) vacuum pumps and surroundings often should keep clean.

(2) the long-term work of pump often should pay attention to the oil is enough (may not be less than a line. 023) oil, the oil is not enough will affect performance and even attaint parts.

(3) if oil clean, and the vacuum pump had an impact, often should take note.

General pumps in addition to dry gas, about 1000 to 1500 hours in a replacement for new oil. Replace new oil, spin to put oil first screw, reoccupy hand pump wheels turning, pump chamber and the stock of oil tank completely, and then from the mouth out into new oil, move pump wheels, cleaning, cleaning loaded on to put the oil, and again from come on hole plug into new oil (Suggestions to join vacuum pump oil).

(4) shall be regularly every year it once. Overhaul

6, motor maintenance:

(1) reducer 40 # oil can be used

(2) the bearing should be regular inspection, cleaning, change a grease, once every six months.