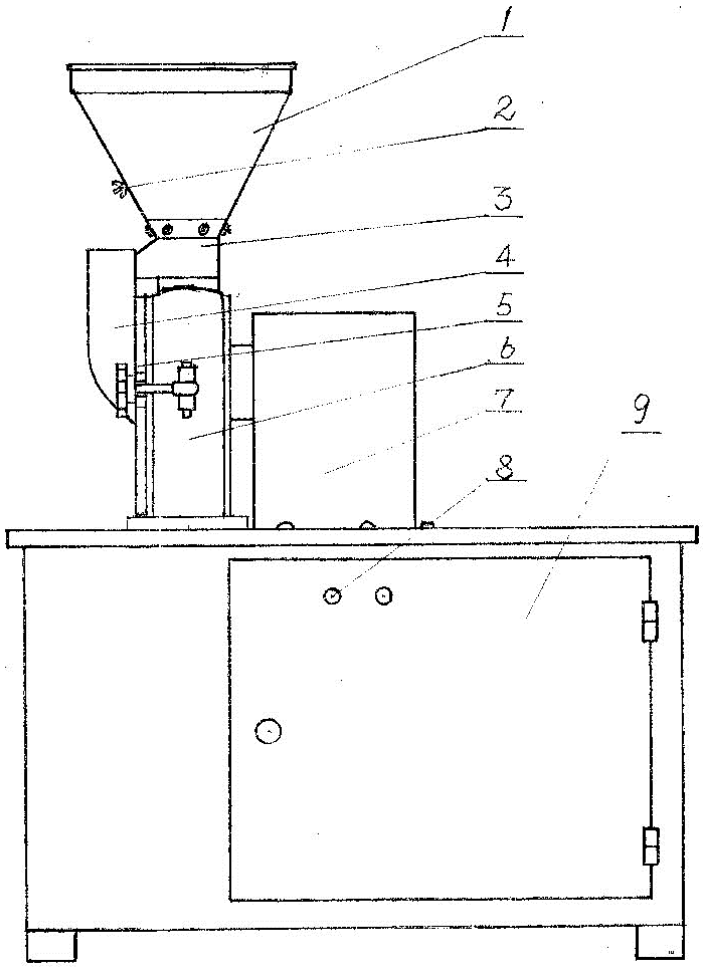
Molino Triturador / Grinding Machine

Model TR20 Cod. 5810000

INSTRUCTIONS MANUAL

A. Shape of Machine



1. Hopper 2. Flashboard rod 3. Hopper seat 4. Feeding hopper 5. Front cover
6. Body 7. Enclosure 8.Power switch 9. Case

B. Uses

This machine is applicable to fields like pharmaceutical, foodstuff, chemical, metallurgy, geology, agriculture, scientific research and other units. It is used for pulverizing the Chinese medicinal herb, drug, mineral and chemical raw materials and so on.

C. Features

This machine has a reasonable structure, stable operation, easy handle and the low noise. The machine is equipped with air-cooled device, so that low machine temperature, the working part of the closure of the machine is made of stainless steel, high-speed operation to achieve pharmaceutical sanitation. It is high effective and low cost.

D. Instruction of Installation

The machine is for the entire packing, after the demolition, it is moved to the appropriate use of local (note the flatness of the surface), connected to the power (Pulley steering with the arrow mark the same) .Then you can use it.

E. Technical Parameters

Spindle Speed	4000 rev / min	Fineness	10-120 mesh
Capacity	10-20 kg	Noise	≤85 Db
Running direction	Clockwise	Material Limit	8×8×8mm
Using electric distribution	2.2KW	Overall Size	420×600×1000mm

F. Working Principle

The machine adopts impact pulverizing; it utilizes the high-speed running of six active hammers and the relative motion of fixed gear. It makes the material crushed through concussion, rub and crush between the materials. The pulverized materials are sifted out from the sieve pore, and then flowed to the bag under the effect of rotating centrifugal.

G. Instruction of Uses

1. Before use, please check if the driving section parts are loosened or other abnormal conditions. Check if the running direction is the same with the direction of arrow.
2. When using the machine, test the empty machine 1-2 minutes. You can not feed the materials until all the things are normal, you should feed materials gradually and observe the functioning of the motor power supply. After the feeding and current is normal, then you can set the flashboard rod. During the pulverizing, if the materials are too wet and too sticky to powdering. At this time, you should dry the materials or replace a coarse sieve. Only open the front cover that you can replace the sieve, you should pay attention the hand-wheel must be in unanimity tightness and make sure the sealing of front cover and enclosure when install the front cover.
3. Before stop the machine, you should stop feeding first, and let the machine running 5-20 minutes, which can reduce the residual materials.

H. Maintenance and Repair

1. Check the bearing regularly, and replace the butter so that the machine can operate normally. And you should often check the wearing parts; if they are wear and tear should be replaced on time
2. If find the speed of spindle is gradually decreased when using the machine, you should stop the machine and adjust the motor, so that the machine can achieve the required speed. If find the abnormal situation, you should shut down the machine.
3. Non-metallic materials into the interior of the machine, such as nails, iron, etc.
4. You should clean the residual materials in all parts of the machine after finish the work. If the machine is long time no to use, you should clean the machine and cover it with tarpaulin.

I. Common Faults and Exclusion Methods

Fault	Result	Remedy
Vibration of machine and loud noise	The instability of foundation bolts or loosens of some parts.	Find another place that can level up the machine, tightened the foundation bolt and the tightened the loosened bolt.
Motor overload (over current)	The speed of feeding is too fast, sieve is inappropriate.	Reduce the speed, replacing sieve
Bearing overheating	Too long hours working, bearing box is short of oil or adding too much oil, the pulley is not parallel or the belt is too tight.	Properly stop the machine half an hour, add the lubricant or pour away the excess oil; adjustment belt and pulley.

K. Electrical Schematic