



# **LOW SPEED GRANULSTORS**

**Operation instruction**

**V2018.8**

**HLJX Plastic Machinery Co., LTD**

Welcome to choose our products, to enable you to correct and efficient use of this product, please read this manual carefully before using.

## Brief introduction

The machine side pulverizer is placed on the injection molding machine and the blow molding machine to pulverize the nozzle material and the scrap material, and automatically pulverizes and recycles, which greatly reduces the production cost and labor cost.

Two machine-side pulverizers, among which HGMS medium and low speed machine pulverizers are suitable for crushing and recycling of crushed materials with high output requirements. The HGLS slow machine side pulverizer is only 26 rpm, which is more suitable for crushing nozzle material, head material, etc., low output requirements, small pulverized material, slow mute automatic pulverization and recycling.

**Application:** It is suitable for the recycling of various plastic materials, including plastic trim, returning and semi-finished products. It is suitable for soft and hard plastics such as soft chlorine, polycarbon, nylon, ABS, etc., dendritic and mesh plastic.



**HGLS**



**HGMS**

## Characteristics and functions

### HGLS low speed granulator

- Low power, low speed, low noise and low dust.
- Adopting Taiwan Shan State geared motor, low noise, high efficiency, stability and durability. The performance is stable, the service life is long, and the transmission torque is large.
- Double-layer shock-absorbing material with built-in soundproof interlayer to reduce noise and improve the environment.
- It adopts cast steel knife holder and SKD-11 material cutter, which is solid and durable.
- The blade structure is different. Three sets of integral rotary knives are used, which are non-packed, more compact and durable, and the smashing is more thorough and uniform.
- The motor drive mode adopts the shaft drive, which adopts the separate structure of the cutter and the gear motor. It is more stable and reliable than the old model. Disassembly, maintenance and maintenance are more convenient.
- The crushing chamber can be opened to the left and right. Compared with the old one, the upper and lower opening forms are used. It is more convenient to clean and refuel, and there is no old material left in the bottom of the knife holder.
- High-quality power system, low speed and quiet.
- No screen design, uniform pulverized particles, very little powder content, can be mixed with new materials immediately.
- Using an upgraded version of the touch box, the operation is more convenient, safer to use, and more functional.
- Complete safety protection measures to ensure the safety of use and manual operation. This machine is equipped with overload overheat protection, power protection, automatic fault alarm, automatic shutdown protection, emergency stop protection and so on.
- The control voltage of the machine is 110v low voltage, which makes it safer to operate.
- This machine can be equipped with timing function. Users can set the delay pulverization time according to the actual use, save power, reduce energy consumption, and be more environmentally friendly and efficient.
- European design, steel structure box, solid material, beautiful and sturdy.

## **HGMS medium and low speed granulator**

- Low speed, low noise and low dust.
- Adopting Taiwan Shan State geared motor, low noise, high efficiency, stability and durability.
- The motor drive mode adopts the shaft drive, which adopts the separate structure of the cutter and the gear motor. It is more stable and reliable than the old model. Disassembly, maintenance and maintenance are more convenient.
- The machine adopts the whole structure of the flat plate, which is more solid and more stable than the old one.
- It adopts SKD-11 material custom tool and cast steel tool holder structure, and the material is solid and durable.
- The well-designed "concave" tool is used to maintain a fixed cutting curve and cutting interval after re-grinding, without complicated adjustments, making the disassembly tool faster and greatly extending the service life of the machine. The static knife can be used repeatedly after 4 times.
- The control voltage of the machine is 110v low voltage, which makes it safer to operate.
- The use of a rugged rotor device and a V-shaped stepped tool greatly enhances the cutting torque and capacity, improves the crushing yield, and improves the crushing efficiency.

## Operating instructions

1. Power cord connection: This machine adopts three-phase power supply and connects to the appropriate voltage according to the voltage indicated on the label. The lines are accurately connected according to the line markings, where R, S, and T are three-phase power lines. To ensure that the security user also needs to connect a ground wire.
2. Connecting the pipeline: According to the different recycling methods, the pipeline is accurately connected with the machine.
3. Before starting the machine for the first time, check whether the line and pipeline are connected accurately, and check whether there is any foreign matter in the crushing room.
4. After checking, turn on the main switch and press the green power button to start the machine.

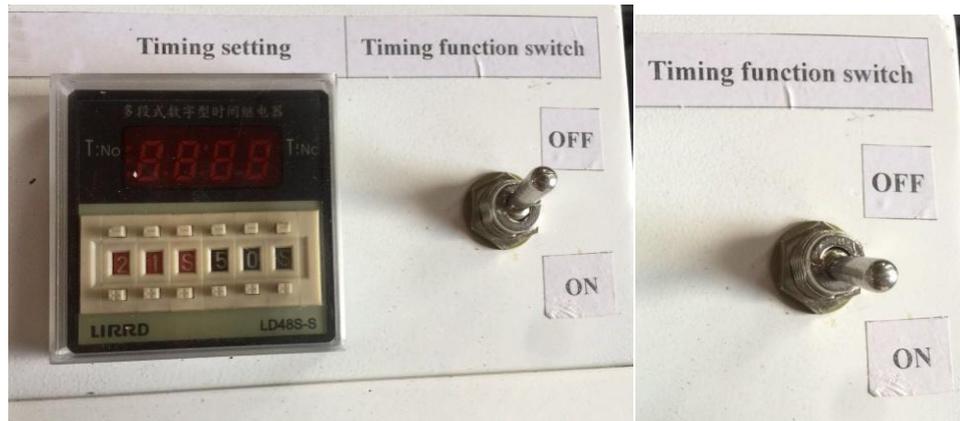


5. Check if the motor rotates in the correct direction. If the motor is reversed and the main switch is turned off, please switch any two of the three-phase power cables R, S and T.
- 6, daily operation. Make sure that the motor runs in the correct direction. After the line is connected correctly, turn the main switch back on and press the power button to enter the working state. Note: In the daily working state, avoid metal debris falling into the crushing chamber, so as not to affect the service life of the blade.
7. If manual feeding is selected in actual use, the feeding should be appropriate, and the feeding should be uniform, avoiding the phenomenon of jamming caused by the injection of large or too large plastic.
8. In the daily operation process, if you need to temporarily shut down the machine, machine failure or other emergency situations, you can press the red emergency stop button to turn off the machine, wait for the troubleshooting or re-open, turn the red emergency stop button. Press the green power button to turn the machine back on.



## **Second, timing function (optional);**

1. This machine can be equipped with timing function. Users can delay the opening of the crusher by setting the opening and stopping time, saving energy and reducing energy consumption.
2. If you need to turn on the timing function, make sure the machine is in the stop state and push the lever to the ON position. If the lever is pushed to OFF, the timing function can be disabled.



3. After turning on the timing function, adjust the time by the small button on the left side, S represents the minute, set the downtime according to the need, and the boot time can be. This part should be adjusted several times according to the actual situation to ensure the balance between the crushing effect and energy consumption.
4. After the setting is completed, re-open the machine and it will work normally.

## **Repair and maintenance**

1. Regularly check the wear of the tool to facilitate timely grasp of the use of the crusher.
2. Regularly check whether the screws of the whole machine are loose, and lock the fixing screws in time.
3. Regularly check whether the grinder electrical parts, especially the safety protection devices, are in good condition, micro switch, emergency stop device, current overload protector, etc.



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