

Strong Crusher

Instruction Manual



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1. The basic principles of crusher operation

For whatever reason, the host must start without load.

2. Installation of crusher

- A. This machine uses a three-phase power supply, connect the appropriate voltage according to the voltage shown on the nameplate, and connect the ground wire.
- B. After the machine is fixed in place, lock the machine securely to avoid noise during machine movement.
- C. This machine is equipped with a safety micro-switch, as a safety protection device to avoid wrong operation during maintenance. When the machine is installed, the user needs to install an independent switch to cut off the power and avoid operation during maintenance.

3. Preparations before starting

- A. Open the feeding door and blanking net support, and check whether there is anything or metal in the crusher room.
- B. Check the clearance between the rotating blade and the fixed blade, whether the blade's fastening bolts are locked, and whether the spring washers are pressing.
- C. Rotate the flywheel and check if the operation is normal.
- D. Check whether the rubber sheet at the feed port is firmly connected to the feed door and whether the compression nut is locked.
- E. The bearing nipple on the spindle should be filled with sufficient lubricant.

4. Operation of machine

- A. The operator must be familiar with the machine and its working principle.
- B. Check that the motor is turning correctly (refer to the arrow on the belt guard)
- C. Check the tightness of the belt is ok or not.
- D. Turn it on for five minutes and check whether it is running normally.
- E. When the machine is working, the operator should wear protective glasses and ear muffs, and should feed on both sides of the machine's feed port, and never face the feed port.

5. Instructions for safe operation of crusher

- A. Feeding should be appropriate to avoid blocking if large or excessive plastic is thrown in. Once blocking occurs, the machine should be stopped immediately and the feeding should be uniform to avoid damage caused by overloading the machine.
- B. When the blade is found to be blunt or damaged, the blade should be repaired or replaced in time.
- C. Always pay attention to the heating of the motor bearings, the temperature must not exceed 60 °C.
- D. It is strictly forbidden to feed 3 minutes before the shutdown, and the machine can be shut down after the stock in the crusher is completely crushed.
- E. When the plastic is difficult to enter the crusher room, do not push it by hand. In case of accident, stop the machine for cleaning or use a plastic pipe to clear it.
- F. It is strictly forbidden to have metal parts and hard materials in the crushed material, so as to avoid damage to the blade and machinery. If the blade gap exceeds the above specified range, it should be adjusted, otherwise the blade is easily damaged.

6. Repair and maintenance

A. Before each use, check whether the nut of the cutter is tight.

B. Repair or replace blunt knives daily or before each use.

C. Each shift or use should not run continuously for 8 hours,(Equipment is prone to generate heat, causing rigidity degradation of the blade / body, metal fatigue, heat generation, deformation, melting of rubber products, short motor life, etc.)

D. Inject sufficient lubricant on the main bearing every week, and check whether the bearing moves smoothly.With or without noise.

E. Check that the tightness of the V-belt is appropriate every week.

F. Check whether the screws of the whole machine are tight every month.

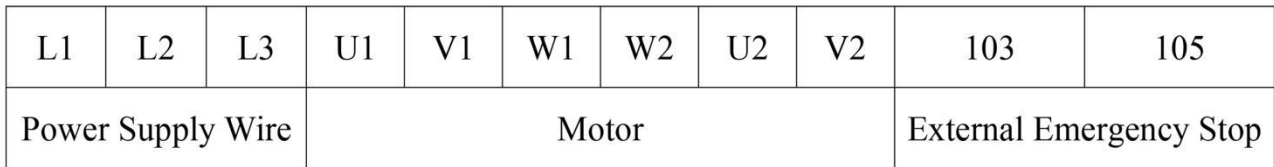
G. There is a current overload protector in the starting box, if it is blocked.

It can cause the protector to trip and cut off the power supply of the motor. You can first clear the blocked material, and then press the protector to reset it to restart the machine.



7. Common faults and solutions

Failure phenomenon	Analysis reason	Handling method
Can't start	1. Power failure or fuse	1. Check power and fasten fuse
	2. Poor contact between buttons and pushers	2. Tighten loose ends or adjust the contact
	3. Motor damaged	
	4. The feed door is not locked	
Slipping of belt can't run	1. The belt is too long	1. Tighten the belt
	2. There is something stuck in the box	2. Remove the blockage
Micro to beat	Bearing damage	Replace the same type bearing
Uneven discharge	Screen is damaged	Repair or replace the screen



- 1) FU Fuse
- 2) SB1 Emergency Stop Button
- 3) SB2 Stop Button
- 4) SB3 Start Button
- 5) SQ Safety Switch
- 6) FR Thermal Overload Protector
- 7) M AC Motor
- 8) KM Contactors
- 9) T Transformer
- 10) HR Power Indicator
- 11) HG Running Indicator
- 12) HY Fault Indicator