

Mid-speed Crusher

Instruction Manuel



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Chapter 1 Installation And Initial Operation

1. Installation

The machine must be installed on the level ground. To ensure that the machine is stable, two wheels with brakes must be installed on the machine.

2. Cable installation

- A. The power supply wire should be connected to 380V three-phase electric cable to check whether there is any damage or leakage of electricity, in order to ensure good conditions, before the normal connection can be used.
- B. When wiring, the operating line can not be extruded.
- C. The equipment must be connected to ground wire



Make sure the brakes are locked.

3. Preparation before booting

- 1) Check the crushing chamber before starting the machine to ensure that there is no residual material in the crushing chamber.
- 2) Check that all parts of the unit are fastened and the power line is good before starting.
- 3) After booting, let the equipment running 2-3 minutes without loading, check whether the rotor steering is correct and sound is normal. It can only work after rotating smoothly at rated speed.
- 4) Always pay attention to the operation of the crusher, feed evenly, to prevent blocking. If there is vibration, noise, bearing and body temperature is too high, spray out of the material, should immediately stop to check, after troubleshooting before continuing to work.
- 5) Crushed materials should be checked carefully, do not mixed with stones, metals and other foreign objects to avoid damaging the machine.
- 6) When the machine is running, the operator shall not leave the unit, nor shall he remove the machine in operation to observe the working condition of the crushing chamber, and the maintenance tools shall not be placed on the machine or filler.
- 7) Operators should not wear gloves, when clogging, strictly prohibit the hand into the stuffing hopper, feed should stand on the side of the grinder, in case of rebound debris injury face.
- 8) Do not shut down immediately after the work is finished. It should be idle for 2 to 3 minutes, so that the material in the machine can be completely discharged. After shutdown, it should be cleaned and maintained.

Note: motor steering should be checked.

Chapter 2 Instructions For Safe Use

- This chapter is for you to use this product correctly and safely, notes on the operation, maintenance, inspection, repair process and how to identify the notice stickers, and labels affixed to the product.**

! Warning

Operation and maintenance, inspection of this product, must strictly abide by the safety notes recorded in this book. We do not assume any liability or warranty for any injury or accident caused by failure to pay attention to these matters.

! Warning

- For the safe use of this product, the general note must be observed.**

Must abide by the content	Example
No crushing of any material or article other than a "plastic bar"	Not allowed to crush form bad products, mold cleaning materials, etc.
Prohibit a large amount of material rod crushing	No manual input or material rods piled up inside the hopper for the use of tools to the material rod into the box and so on and so on
Disable load start-up	No matter what causes the shutdown, when restarting, all the contents of the box and hopper must be cleaned, otherwise the motor and motor starter will be destroyed.
No breakage of adhesive paper and change of current value on thermal protector in motor starter	1. The arbitrary change of the current value will seriously affect the guarantee function of the motor. 2. The sticker paper is damaged artificially, does not with warranty, and holds the corresponding responsibility
No metal tools can be used to move jammed cutters	Can cause cutter damage.
Prohibition of reverse operation of crusher	The electric current increases, burns out the motor Cut into pieces, affecting use
Must ensure good discharge of crushed materials	The crushed materials will gradually pile up, causing losses to the internal parts of the box and to the motor.
Please let our after-sales service department or your company very experienced electrical technicians operate: spot check and replacement operations	Because electrically unfamiliar operators are prone to trouble and danger

Please do not proceed without our approval to change the machine.	Our company is not responsible for accidents caused by unauthorized transformation and alteration
Before the operation of maintenance, inspection and replacement, must stop running and cut off the power supply	Avoid personal injury

3. Maintain

Crusher machine operator is accompanied with fault and dangerous during maintenance inspection and replacement therefore, except the professionals who are familiar with the product, please don't operate it. When replacing gear reducer need using cranes and other occasions, the license personnel should abide by the necessary safety rules, such as labor safety and health rules, electrical equipment technical standards and other necessary safety rules.

! Be careful

1) Waste of products and parts

After products and parts become industrial wastes, subject to the "waste disposal and cleaning related laws", please entrust the industry waste collection and handling industry license or "industrial waste disposal industry license" practitioners to deal with.

2) Power supply

Please use the standard power supply voltage and frequency. The earth wire must be grounded.

3) Regular inspections

a. Replacement parts

Basically, each components of the crusher has its own useful life, in particular, the parts of the crusher blade (fixed moving knife, fixed knife and relying on knife) and the internal parts of the box body. Before the replacement, please put forward the request of wear inspection and replacement to the our company's after-sales service department in advance

b. Periodic dismantling and overhaul cleaning

In order to be able to use this machine for a long time, it is recommended that you do a regular disassembly and overhaul cleaning once a year. (Drive, bearing - related disassembly and overhaul cleaning and replacement of parts as required.)

c. In terms of contact, please consult with the after-sales service department of our company.

Chapter 3 Various Label Considerations

- Label the product according to the risk level, which must pay much attention.
- Please ensure to have fully understand the warnings and notes on the label before operating.
- Please pay attention to maintaining labels so that labels can be identified before the products are discarded.

Label type:

	Warn Watch your hands. Your fingers are pinned. Because of the use of a rather sharp rotary knife, do not touch even after the power is turned off, otherwise there is a risk of trauma.
	Danger Hand, finger cut off danger In operation, do not put your hand into the feeding port, otherwise, the sharp rotating knife will cause the hand and fingers to be cut off.
	Danger Hand, finger cut off danger In operation, do not put the hand into the lower part of the crusher rotation. Otherwise, a sharp rotary knife creates the risk of cutting off your hands and fingers
	Warn False action attention Before checking, maintenance and replacement, the power must be turned off to prevent the risk of misoperation.

	Danger Pay attention to pop-up. Do not stretch your head to look at the feeding mouth, otherwise, because of the material smashing in the face and injured.
	Danger Watch your hands. Your fingers are pinned. When closing the connection between the hopper and the crusher, remember to lock the brake on the casters and slowly lift the hopper. Do not put your hand between the joints.

	Operation is strictly prohibited because it is very dangerous to remove or ignore the safety device.
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Matters needing attention in casters clasp
Be sure to lock the casters in addition to transport the crusher

Matters needing attention in Motor Protection switch
Warning 1. When motor protection switch tripped, do not close, must find out the cause, troubleshooting (such as: remove the clogging in the machine, etc.) 2. When motor protection switch tripped, close again, its interval must be more than 15 minutes. 3. Failure to operate as stated above and force frequent shutoff will cause damage to motor protectors.

Chapter 4 Considerations in the use

- This chapter is a product specific note description.
- In addition, in order to prevent risks, all items are attached with labels and records from the most important items.

1. Precautions for operators

Labeling	Project	Matters need attention
	Related material	1) The device is a special crusher for synthetic resin runner residue and gate residue. 2) Even if the crushed material is synthetic resin runner residue, gate residue, PP material, soft material, reinforced nylon glass fiber, materials with strong static electricity etc. Operator should also note that whether the above materials can be crushed before crushing. And operator should also note that is it possible to cause bridging in the suction box at the bottom of the crusher. 3) Other materials(wood chips, iron and non-ferrous metals) is prohibited. It is easy to cause the accident, fault and damage. That is out of warranty.
	Operator and clothing	1) Please do not disassemble, clean and operate except the operator. 2) Avoid wearing the easily involved clothes. 3) Wear gloves to prevent cutting. 4) When using the air gun to clean, the dust flying in the air, please wear the dust-proof glasses and marks etc. 5) Please wear safety shoes during the maintenance.

2. Move, set, notice

Labeling	Project	Matters need attention
	Moving	1) The crusher is heavy. Be careful not to turn over. If the pressure on the person, there is a risk of fracture and other serious

		injuries. 2) When moving, it is important to take effective safety measures to prevent overturning when passing through sloping and falling areas.
 警告 Warn	Landing	Please be sure to check and confirm the grounding. * In poor grounded condition, there is a danger of electric shock.

3. Precautions in operation

Labeling	Project	Matters need attention
 危險 Danger	Hopper	1) When the machine is running, the hopper must be closed and the following hopper fastening parts must be tightened thoroughly. 2) If the hopper fastening parts are not tightened and the fastening parts are loosened and unloaded while the crusher is running, the hopper will become fully open as soon as it collapses, which is very dangerous. 3) Do not peep into the hopper while running. 4) The splashing of the rod can cause injuries to the face.
 危險 Danger	Material bar input	1) The bar should be injected in batches during each injection period. 2) Excessive injected will cause blade breakage and failure
 警告 Warn	Hopper	If the hopper continues to run in a full state, the rotary knife will crush the pellets in the hopper by meters, and the guide plate will cut off the pellets, resulting in curl and breakage of the guide plate. Therefore, do not allow the hopper to run at full capacity.



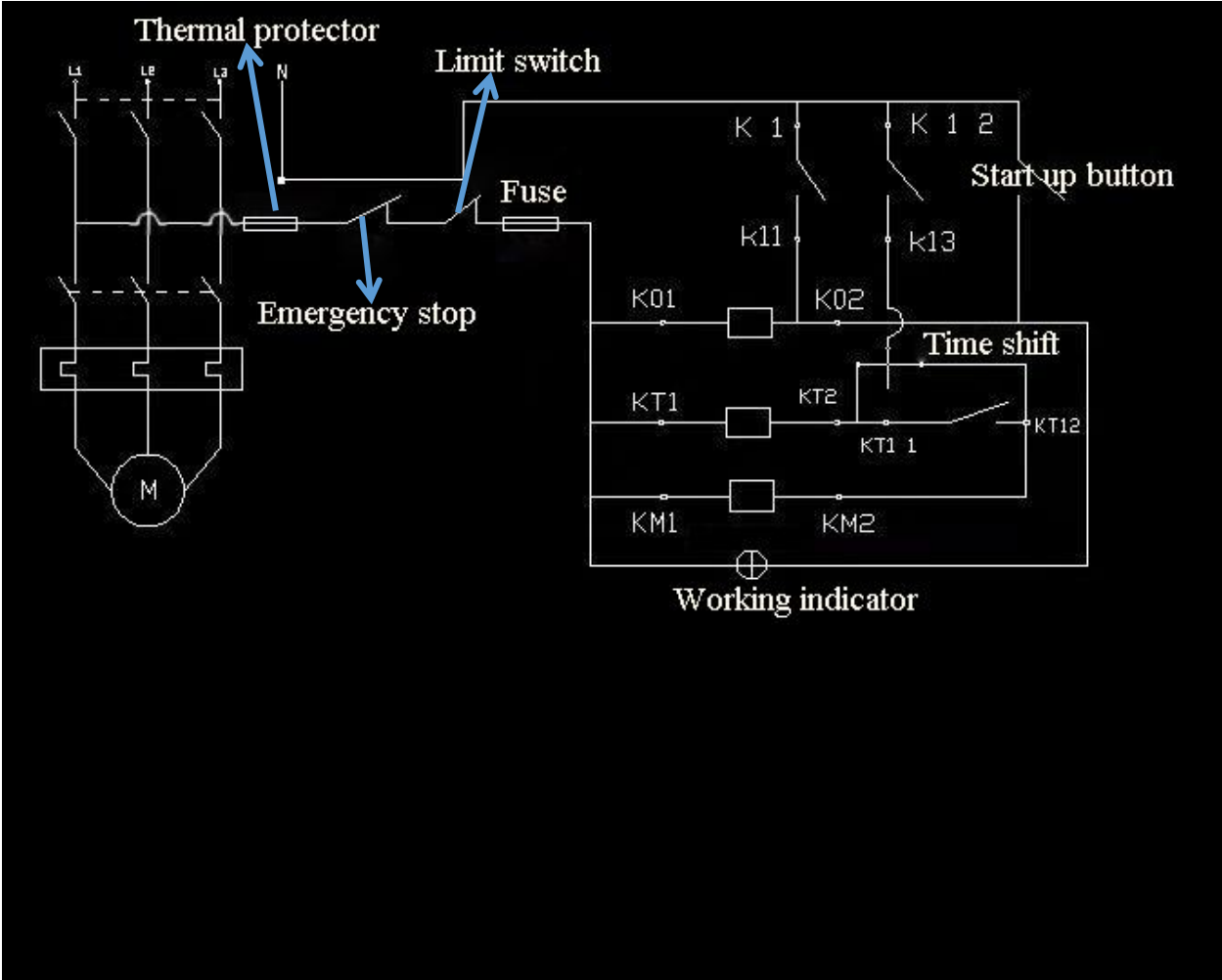
Charter 5 Matter out of warranty

- The blade (fixed moving knife, fixed knife and relying on knife) and the body box in contact with crushed material are as the consumption parts of daily wear and belong to the warranty external parts.
- In addition, after purchasing, the rust of machine is also not warranty. Please pay attention to the rust prevention measures after purchase.
- In addition, the foreign body into the wrong, resulting in the crusher blade damaged, also out of the warranty.

Ding Yuan



Charter 6 Electrical dwg



K01	Intermediate relay coil 13
K02	Intermediate relay coil 14
KT1	Time relay coil 2
KT2	Time relay coil 7
KM1	AC contactor coil A1
KM2	AC contactor coil A2
M	Motor T1 T2 T3
K 1	Intermediate relay contact point 9
K 11	Intermediate relay contact point 5
K 1 2	Intermediate relay contact point 12
K 1 3	Intermediate relay contact point 8
KT1 1	Time relay contact point 8
KT12	Time relay contact point 5