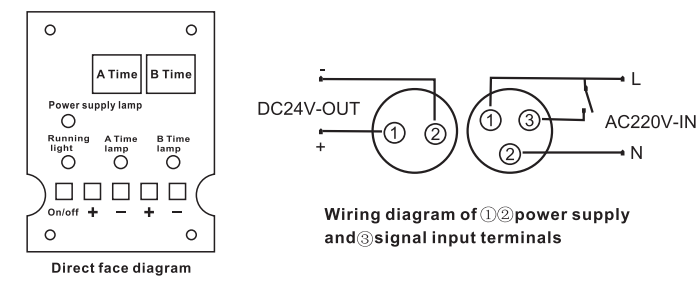


## Time proportional valve controller manual

### 1. Panel and wiring diagram:



### 2. Function details:

1. After powering on, the power light is on and the time display A displays the current setting value respectively.
2. Press the On/Off button at this time, and the system will immediately judge the status of the input signal of pin 3: when there is no input signal, the running light flashes, and the system cannot run; When there is an input signal, the running light is on for a long time, and the time indicator of A is on, and the time indicator of A runs in a countdown mode according to the current set value. When the time of A is over, the time indicator of A will be off, and the time indicator of A will show the word "00", and the system will immediately switch to the running time of B. At the same time, the running light will remain on for a long time, and the time indicator of B will be on. Time display B runs in countdown mode according to the current set value. When time B is over, time indicator B is off and the relay is disconnected. At this time, the internal delay of the system is 3S (display is displayed in video mode).
3. Shutdown process: When working normally, press the shutdown button to turn off the running light and shut down all operation and output of the system (this is shutdown).
4. During operation, when the optical signal disappears, the system can only stop working after the completion of the current delay state.
5. When the system loses power during operation, keep the original working state when powering on.
6. Time setting range: 1-99S

### 3. Working operation:

After powering on, the power indicator lights up, and the digital display shows the current set time, then press the switch key, (no working signal when the running indicator flashes, there is a working signal when the running indicator light is all on), when there is A working signal, A work indicator lights up, and time start running, when A time finishes running, B time starts running, at the same time output 24V control signal, When the running time of B is completed, the 24V control signal stops output, and the running time of A is restarted, so the cycle works.

. 14.

Please read the instructions carefully. If you have any questions, please call our technical service hotline: (844) 866-5687

**HMAIDUN** Yueqing Maiden Machinery Technology Co., LTD

Address: South Industrial Zone, Hongqiao Town,  
Yueqing City, Zhejiang Province  
Tel: (844) 866-5687

**One-stop injection molding  
auxiliary machine supplier**

**HMAIDUN**

**Fully optimize your injection  
molding workshop**

**Chapter 6 chapter is the cause of the exception and the treatment method**

The temperature of the crusher is too high		
SERIAL NUMBER	problem	Treatment Method
1	The clearance of the knife is too large	Adjust the inters ticeof the knives
2	The direction of rotation is reversed	Restore the correct rotation direction
3	The knife is mounted upside down	Install the knife correctly
4	The temperature in the shredder room is too high	Install blower and other equipment to cool it
5	Too much material input	Limit the input of materials
6	The revolving edge is in contact with the fixed edge	Adjust the appropriate knife clearance
7	Insufficient bearing oil	Adding lubricating oil

The temperature of the crusher is too high		
SERIAL NUMBER	problem	Treatment Method
1	The clearance of the knife is too large	Adjust the knives
2	The direction of rotation is reversed	Restore the correct rotation direction
3	The knife is mounted upside down	Install the knife correctly
4	The material won't bite	It is necessary to choose the right kind of machine and the right method
5	The choice of machine is wrong	It is necessary to choose the right kind of machine and the right method

. 13.

**HMAIDUN**

**SLOW SPEED MACHINE  
EDGE CRUSHER  
MD8000-1/2/3/5HP**

**Instruction manual**

**⚠ warning**

Thank you very much for the purchase of this machine. Please read this manual carefully and use the machine correctly. In addition, please keep the instruction manual close to the machine while it is running, so that you can read it whenever necessary.

**Yueqing Maiden Machinery Technology Co., LTD**

**Chapter 1 Names of machine parts**

一、MD8000-1HP

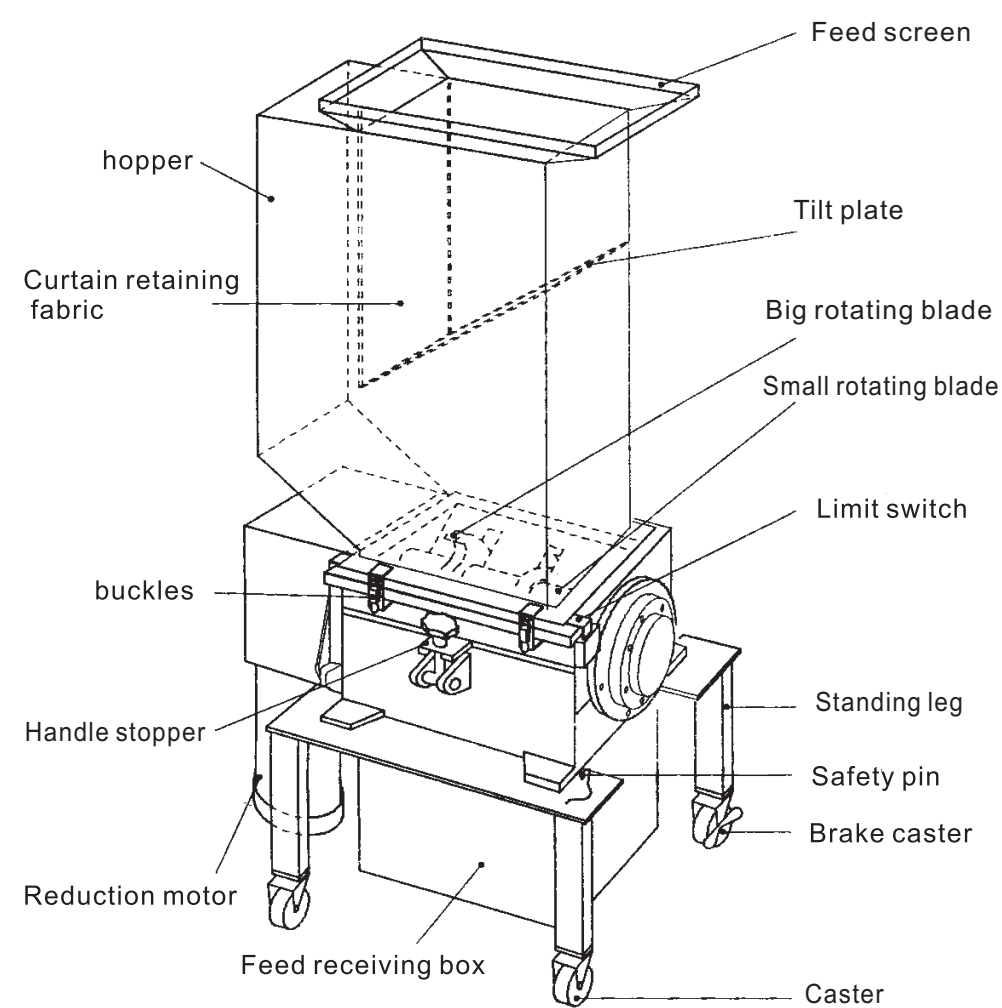


figure 1-1

The design of the machine is subject to the object

. 1.

**Chapter 5 Tool replacement**

This chapter mainly introduces the change of rotary edge and fixed edge.

**Operation Contents**

Remove the hopper  
 ↓  
 Open the upper body of the shredder  
 ↓  
 Take down the reduction motor of the crusher  
 ↓  
 Loosen and remove the bolts fastening the motor bracket and bearing housing of the spindle  
 ↓  
 Lift the spindle assembly and erect the spindle assembly vertically. Remove the bearing cover, positioning plate, bearing, side plate, small rotary blade and large rotary blade..... in turn according to the following figure  
 ↓  
 After replacing the tool, it is loaded in reverse order according to the way it is removed  
 ↓  
 Adjust the gap between the teeth of the rotary blade and the fixed blade to 0.2-0.3mm. Check and adjust with the feeler, and tighten the fixed blade comprehensively and evenly after adjusting the results.

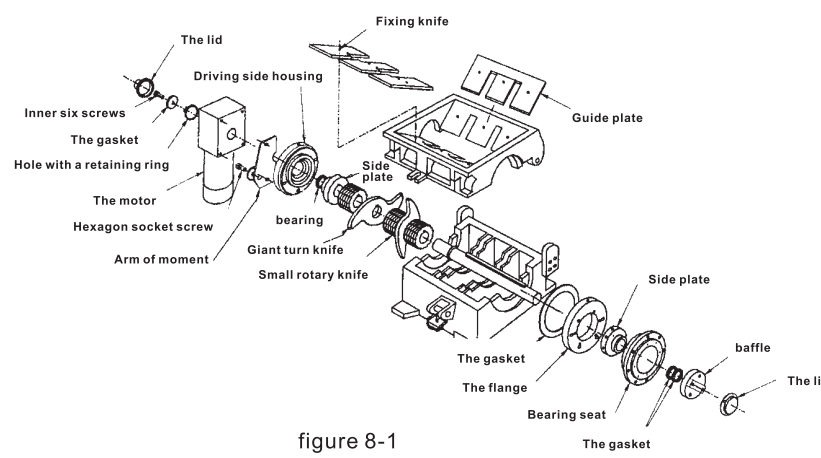


figure 8-1

. 10.

## Chapter 6 chapter is the cause of the exception and the treatment method

This chapter describes the abnormal situation of the product and its handling methods. Please do some research before you commission repairs. If the treatment is invalid, please entrust our company to repair.

### WARNING

The electrophoresis switch and your equipment must be turned off before the inspection operation. Check the operation, please let your company designated personnel operate.

The motor doesn't start		
SERIAL NUMBER	problem	Treatment Method
1	The power supply does not supply power to the crusher	Clear the power failure factor and switch on the power
2	Stop motor limit switch action	Check whether the limit switch is working properly
3	The thermal relay protecting the motor tripped	Open the hopper and remove the blockage. When the motor temperature returns to normal, open the starting box, confirm whether the thermal relay is set at the set value, and press the reset switch. Close the starting box, and start the motor again.
4	There's a foreign object stuck in the shredder equipment	Open the hopper and remove the foreign matter
5	The connecting cables of power cables and motor wires are loose	Tighten the joint
6	Operation, power switch contact is not good	Please adjust the contact position

There is a noise in operation		
SERIAL NUMBER	problem	Treatment Method
1	Rotary cutter and fixed cutter teeth contact	Adjust the proper clearance range of the knife
2	Bolts, nuts, and keys are loose	Check all parts and lock
3	Pulverizer equipment mixed with debris	Remove Clutter
4	Lack of lubricating oil	Adding lubricating oil

. 11.

## CATALOGUE

- Chapter 1 Names of machine parts
- Chapter 2 Preparation before operation
- Chapter 3 Operation method
- Chapter 4 Maintenance inspection
- Chapter 5 Tool replacement
- Chapter 6 Causes of the abnormality the treatment method
- Chapter 7 Time proportional valve controller manual

## Company Profile

Yueqing Myton Machinery Technology Co., Ltd. is located in the south of pleasant scenery and convenient transportation Industrial area. At present, it is one of the large-scale enterprises specializing in the production of plastic auxiliary machinery equipment in China

Division research and development, design, manufacturing, sales, service, installation equipment in one of the science and technology enterprise industries.

The company in the "meet the needs of domestic and foreign users, manufacturing high-quality injection molding auxiliary machine" business philosophy Under the guidance of the continuous development and innovation, continuously into the new design concept; From the production Product structure to appearance, quality to cost, the company pursues the best ;Advanced technology and equipment from European and American countries are actively introduced, in addition, we also add our own design style on it.

Every new product is unique, and can be loved by domestic and foreign users alike. Because of the specialization Industry excellent technical personnel, the company introduced advanced processing equipment, for the steady development of the company Provides a powerful impetus; With the characteristics of the modern management mechanism, ensure the enterprise The living life of karma.

"Maiden" brand mill, dryer, automatic filler, industrial chiller, mold Temperature control machine, central feeding system, plastic dehumidification dryer and mix machine and other series of plastic machine auxiliary machines, Infused with the minds and souls of the Madonians, they have gone all over the country, to Europe and America Countries and the Middle East, no matter where they are, they have been welcomed by the vast number of users and have gained good Review.

Sincere thanks to friends and enterprises from all walks of life Business unit that care, support and help our company's development of . Myton Machinery will provide you with high quality products, satisfactory service, with you Hand in hand, seek the future, win-win cooperation, create brilliant!

Company tenet: integrity, dedication, pragmatism and innovation  
 Company vision: Make injection molding industry to achieve intelligent, automatic  
 Company mission: To provide customers with intelligent injection molding machine equipment and solutions  
 Company slogan: To establish business with precision and win with quality  
 Business philosophy: Create value for customers and seek development for employees  
 Core values: honesty, commitment, excellence and sustainable growth  
 Company philosophy: win-win, sharing, gratitude and harmony  
 Company spirit: brave and positive

## Chapter 6 chapter is the cause of the exception and the treatment method

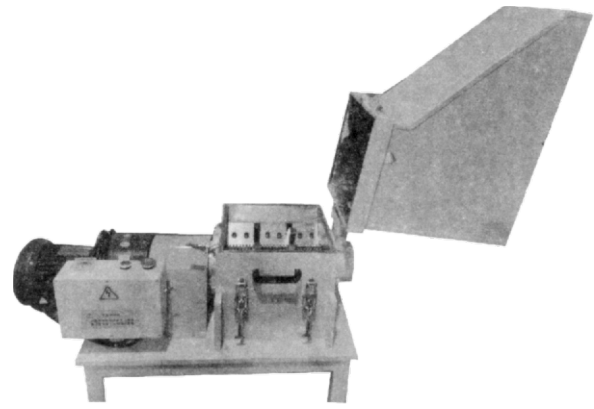
A violent vibration		
SERIAL NUMBER	problem	Treatment Method
1	Improper installation	Reinstall correctly
2	Loosen bolts, nuts, and keys	Check all parts and lock

Overload operation and stop		
SERIAL NUMBER	problem	Treatment Method
1	Lack of horsepower	It is necessary to re-select the model and specification
2	Operation, power switch contact is not good	Please adjust the contact position
3	Excessive material input	Limit the input of materials
4	The direction of rotation is reversed	Restore the correct rotation direction
5	The knife is mounted upside down	Install the knife correctly
6	The thermal relay protecting the motor tripped	Open the hopper and remove the blockage. When the motor temperature returns to normal, open the starting box, confirm whether the thermal relay is set at the set value, and press the reset switch. Close the starting box, please start the motor again.

. 12.

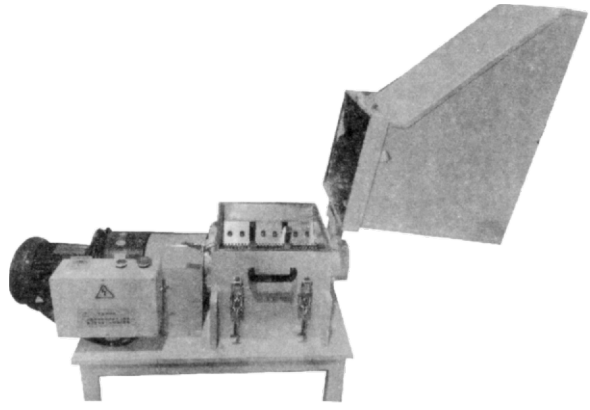


## Chapter 2 Preparation before operation

SERIAL NUMBER	Operation Contents
2	<p>Please loosen the fasteners on the crusher and lower body as shown in Figure 2-2.</p>  <p>figure 2-2 The design of the machine is subject to the object</p> <p>The upper and upper body of the hopper should be tightened first before the upper and lower bodies can be loosened.</p>

. 5.

## Chapter 2 Preparation before operation

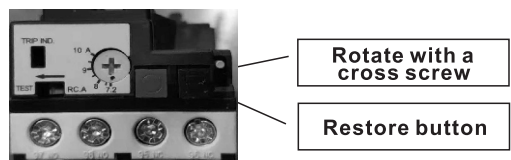
SERIAL NUMBER	Operation Contents
3	<p>Figure 2-3 below shows the state after opening the grinding machine and lower body. Check and confirm whether there are materials and foreign bodies inside. Whether the bolts are loose or not. Check and confirm whether the spindle rotation is flexible and normal or not.</p>  <p>figure 2-3 The design of the machine is subject to the object</p>
4	<p>After checking and confirming, please look at the upper and lower body, push the fastener, and press the lock.</p>

. 6.

## Chapter 4 Maintenance inspection

### 2. Maintenance check every three months

Check the function of each protective device. In case the machine does not work properly, please stop operation immediately and contact our company. It will cause an accident if the protection device operate, out of order.

Inspection of maintenance project	Operation Contents
Thermal relay trip function for motor	<p>Please do a trial run</p> <p>Turn on the electromagnetic starter, measure the current value with the amperometer, and turn the current setting button of the thermal relay clockwise with a Phillips screwdriver according to the figure 7-1 below, and slowly reduce the set value.</p>  <p>figure 7-1</p> <p>Confirm whether the thermal relay is tripping. (Trip will stop operation) After confirmation, please return the thermal relay to the original set value and press the reset switch of the thermal relay. For people who do not know very much about electrical knowledge, it is easy to cause failure and danger, please do not handle without authorization, please entrust the inspection operation to the fraud agency.</p>
Maintain the limit switch	<p>Turn off the power</p> <p>Remove hopper and upper body</p> <p>Remove dust from the limit switch section</p> <p>If the limit switch cover is deformed, replace it in time</p>

. 9.

## Chapter 1 Names of machine parts

### 二、MD8000-2HP

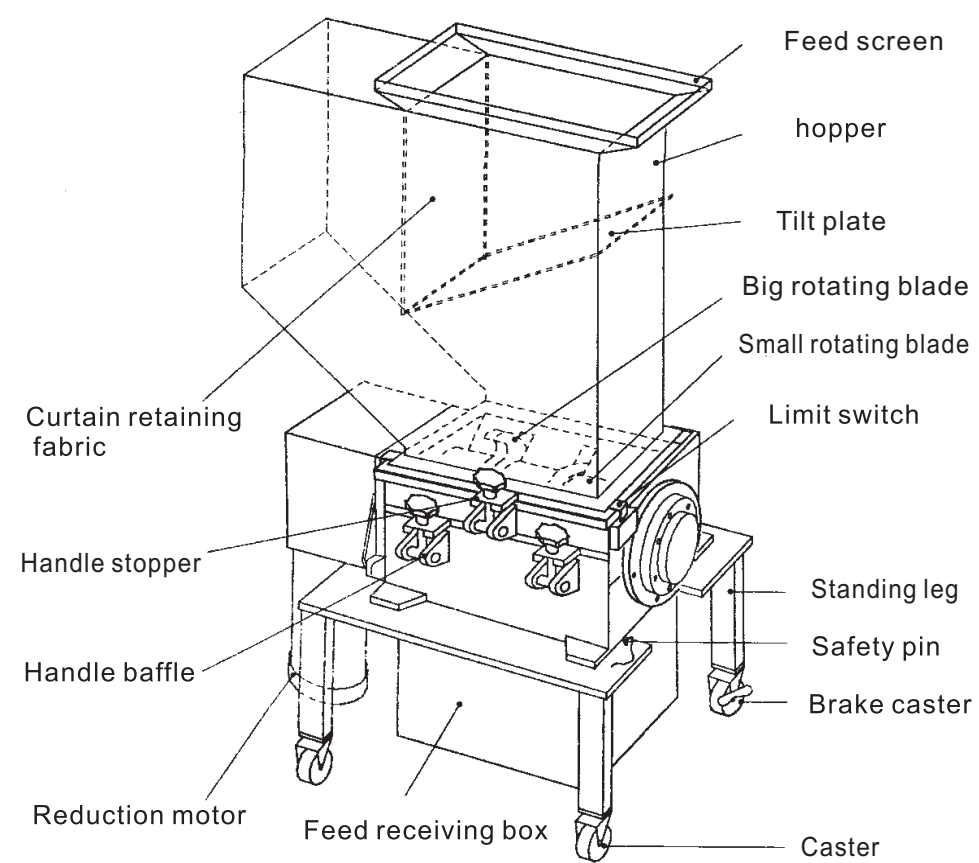


figure 1-2

The design of the machine is subject to the object

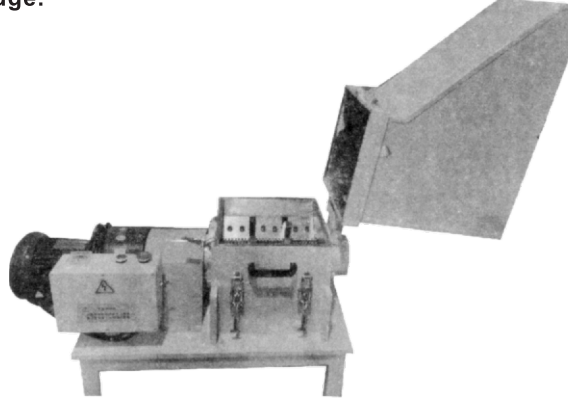
. 2.

### Chapter 3 operation method

SERIAL NUMBER	Operation Items	Operation Contents
1	Power supply ON	<b>Point the power switch of your equipment to "ON".</b>
2	Start to run	Press the start button (green) and the device will run. 1. When foreign material occur in the upper and lower body or the open part of the hopper (such as foreign matter), the safety switch will be opened and the equipment will stop running. 2. When the locking device between the upper and lower body and the hopper is loosened, the machine will not be able to start or stop when the machine vibrates.
3	Out of action	Please press the stop button (red) to stop the operation.
4	Power OFF	Please switch the power supply of your equipment "off". <b>WARNING</b> 1. At first, please put the waste into it as test feed for test run. After the test run, the crusher must be cleaned. 2. when the grinder is fully rotated then patin into the material. 3. Please confirm in advance that no foreign matter is mixed into the crushed material before putting in the material. 4. When stopping operation, please first confirm that the material inside the crusher is almost completely discharged before closing.

. 7.

### Chapter 2 Preparation before operation

SERIAL NUMBER	Operation Contents
1	1. Please open the hopper of the crusher as shown in Figure 2-1, and check and confirm whether there are materials and foreign bodies inside. Whether the bolts are loose or not. Check and verify that there is no obstruction between the rotary edge and the fixed edge.  figure 2-1 The design of the machine is subject to the object 1. The equipment was coated with antirust paint in the receiving section during shipment, please wipe it off before operation. 2. Please check the vicinity of rotary edge and fixed edge. 3. Please do not put overload materials in the hopper. 4. Check the fixed screw of the fixed edge to ensure that there is no looseness. 5. Check and confirm that there is no obstruction between the rotating edge and the fixed edge. 6. When opening or closing the hopper and the upper and lower body, make sure that the wheel must be locked first.

. 4.

### Chapter 1 Names of machine parts

三、MD5000-3HP

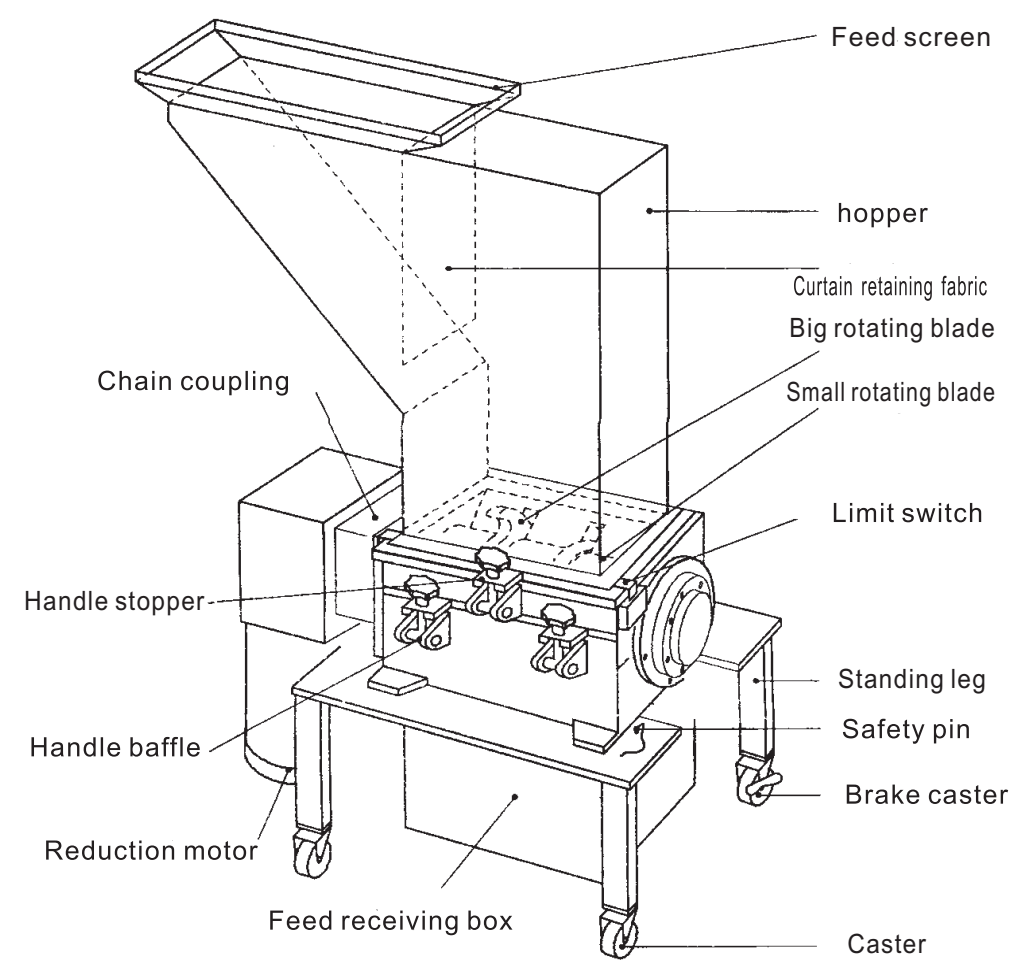


figure 1-3

The design of the machine is subject to the object

. 3.

### Chapter 4 Maintenance inspection

#### 1.Method of cleaning

When replacing the pulverized material, clean it in the following order

Operation Contents
Please turn off the power
Open the hopper
Please clean with compressed air
Restore the hopper to its original position and lock it
Open the crusher, lower body (upper body and hopper firmly together)
Use compressed air or brush to clean the body groove, rotary edge, fixed edge, solid bolt and its surroundings where the crushing material is easy to remain. When you need to turn forward, A metal rod with a handle ballcan be inserted into the hole of the side plate at one end of the spindle, and then the metal rod can be rotated.
Note: Before inserting the rotary rod, the material or powder in the corresponding hole on the side plate must be clear and clean. 2 The rotary rod must be inserted into the bottom of the side plate hole: 3 When rotating, please apply even force to avoid the rotary rod slipping out suddenly and damaging the hole.
Check the condition of the blade (check while turning)
Clean the dust in the groove of the giant rotary blade seat
Restore the upper and lower body into place and lock tightly
After the internal cleaning of the crusher, please assemble it as its original sample and keep the appearance clean.
<b>WARNING</b>
Maintenance check operation, except the special maintenance items, please cut off the power supply, unplug for operation.
<b>WARNING</b>
Wear protective gloves when maintaining and inspecting the mill.

. 8.