

Milling Machine



Operation and Maintenance Manual

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I. Technical Parameter

1. Product requirement	Size of input granule	smaller than 12mm
	Product temperature	lower than 60°C
	Product meshes	1400μ—125μ
	Sound	85dB
Production Capacity	50—300kg/hour (according to different material and mesh)	

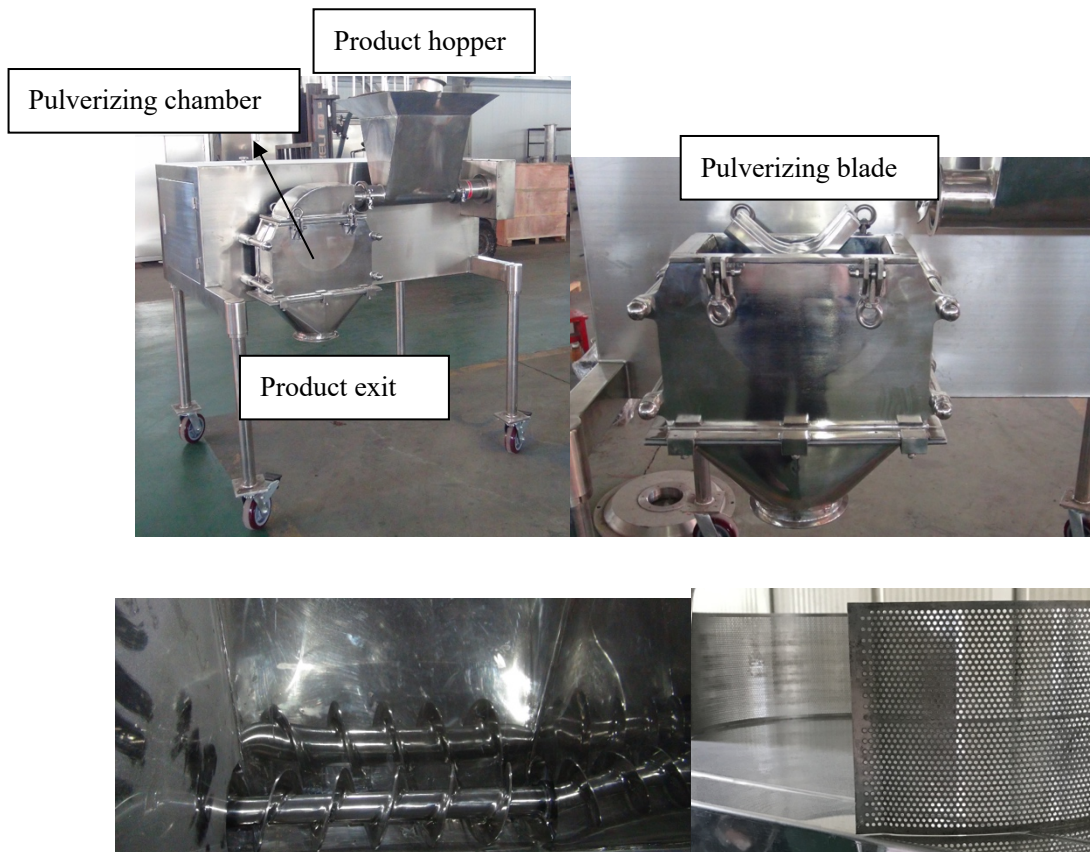
2. Machine specification

Power	7.5KW	10—15A	380-415V 3 Phase
Speed	Low	1000rpm	
	Medium	2450rpm	
	High	4600rpm	
Dimension	1100 x 860 x 1520mm (L x W x H)		

II. Machine Structure & Working Principle

1. Machine Structure

This machine is composed of product hopper, product conveying auger in the hopper, pulverizing chamber, pulverizing blade, finished product sieve, product exit. See photo below:



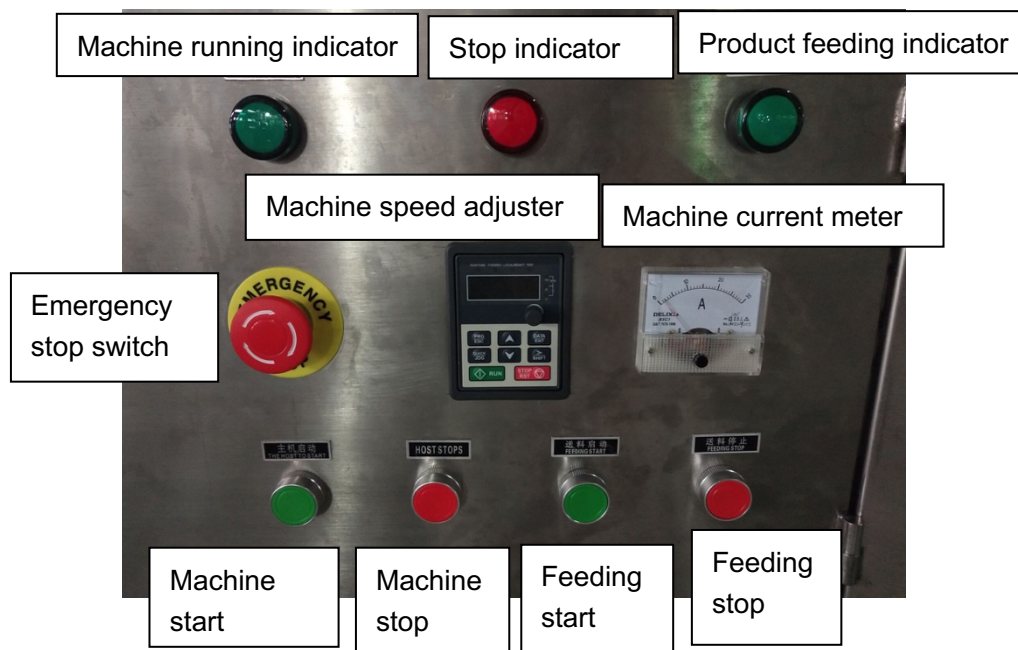
The above left photo is the auger inside the product hopper for conveying product from hopper to pulverizing chamber.

The above right photo is the sieve, which is installed at the product exit, the user shall choose the mesh number according to the product pulverizing finess result needed.

2. Working Principle

The product is poured into the product hopper by operator, and the product is conveyed to the product pulverizing chamber by the auger in the hopper, the product is pulverized at the chamber and come through the sieve to the product exit.

III. Machine control panel introduction



1. Panel introduction, see above photo

Machine start button is to start the machine

Machine stop button is to stop the machine.

Feeding start button is to start product feeding from hopper to pulverizing chamber.

Feeding stop button is to stop the product feeding from hopper to pulverizing chamber.

2. Operation step:

- 1) Release the emergency stop switch clockwise.
- 2) Press the machine start button and feeding start button to start the pulverizing.
- 3) Press the feeding stop and machine stop button to stop the machine running.

3. Machine speed adjustment:

Press the increase or decrease button to adjust the machine's speed according to the product pulverizing fineness need, and press the run button to finish adjusting the speed, see photo below:



IV. Machine Operation and Maintenance

1. When unpack the machine, please firstly check if there is any loosening or damaging on any part of the machine due to transportation, inspect each part and tighten any loosed parts.
2. The test run of the machine shall begin from low speed to high speed for idle running 30 minutes or more to inspect anything abnormal; after the test run, the machine is ready for normal pulverizing operation.
3. Connect the machine to the power supply and inspect the tension of belt, the proper belt tension is judged by pressing down with thumb with 15~20mm.
4. Do not feed too much product at one time, otherwise it will cause damage to the motor due to overload, judge proper feeding by observing the “machine current meter”, ensure proper current load on the current meter, to keep the machine in good running state.
5. When the user needs to change the product for pulverizing, he shall change to a sieve with proper mesh number for his requirement of fineness of pulverization result. When change the sieve, please open the lid and change it, then put on the lid again, press tight the sieve frame, manually turn the blade shaft and make sure the blade shaft has no contact with the sieve, then the machine is ready for operation again.
6. In order to ensure safety operation, the operator must be well familiar with the properties and structure and maintenance of the machine.
7. Change the fineness of the pulverization of the product is to change the sieve; when rinsing pulverizing chamber, please pay attention not to let water go inside the motor, control panel or bearings.
8. In order to prolong the working life of bearings, please lubricate as below:

Non-continuous working	8 hours/day	once each 200 hours
Continuous working	8 hours/day	once each 100 hours
Continuous working	24 hours/day	once 48 hours