



# Product

## Brief Introduction:

Ultrafine Millis designed by Liming engineers and technicians on the basis of many years production experience, such as multiple innovation. We have been absorbing many technology advantages from the same field home and abroad. The Ultrafine Mill has been proved by our thousands of customers to be out-standing and stable grinding mill.



## Highlights:

- (1) The main frame and the base are completely soft-linked rather than rigid-contacted.
- (2) The base is made of anti-crack nodular cast iron which boasts the strength of cast steel, the anti-vibration of cast iron and good impact resistance.
- (3) It adopts the reducer that simulates German Flender.



(4) The main frame and reducer are connected by pin coupling with elastic sleeve to ward off the breaking of nylon pin, which improves the reliability of the whole equipment.

(5) The classifier adopts high density impeller which can improve the fineness and capacity.

(6) The classifier adopts frequency control of motor speed with the characteristics of energy-saving, precision, good process control mobility and high degree of automation.

(7) Bypass powder collector with a dust isolation chamber make more dust go into the bottom of cyclone by the bypass system to avoid the dust escaping from air vents.

(8) Same resistance arrangement avoids difference in power from two powder collector, which increases the efficiency, capacity and decreases internal circulation.

(9) The discharges of the collector and dust remover are in the same line which is convenient for powder collecting and packing and reduces the amount of work.

(10) The maintenance platform makes maintenance work safer and more convenient.





## Working Principle:

The main motor of Ultrafine Mill drives main axle and every layer rotating by the power of reducer. Dial drives numbers of rollers rolling and rotating in the ring by pintles. Big materials are crushed into small particles by hammer crusher. Then they are sent to store house by elevator. Vibrating feeder send the materials evenly to the middle of the upper dial. Under the function of the eccentricity, the materials fall into the ring to be pressed, crushed and milled into pieces by rollers. After the first crush, materials fall into the second and third layer of the grinder mill. The pumping of the high-pressure centrifugal blower put the outside air into the ultra-fine mill. The coarse powder will be brought into the classifier.



## Technical Data:

### 1) Mainframe parameters

Item	Unit	Specifications & Technical data
Quantity of roller	pcs	4
Diameter of roller x Height	mm	φ410×210
Diameter of ring x Height	mm	φ1300×210



Rotation speed	rmp	103
Max. feeding size	mm	< 30
Output size	mm	0.074-0.038
Capacity	t/h	4-13
Weight	t	18

Note: (1) capacity in the table is referred to calcite, under the condition of 80% passing though.

(2) Any change of parameters and shape shall be subject to the usage and maintenance manual instruction with delivery.

## 2) Power of equipped systems

Name	Item	Unit	Specifications & Technical data
Motor for mainframe	Model		Y280S-4
	Power	kw	75
	Rotating speed	rpm	1480
Adjustable speed motor for classifier	Model		Y160L-4
	Power	kw	15
	Rotating speed	rpm	1460
Motor for elevator	Model		Y100L2-4
	Power	kw	3
	Rotating speed	rpm	1430
Motor for blower	Model		Y280M-4
	Power	kw	90
	Rotating speed	rpm	1480
Motor for Jaw Crusher	Jaw crusher		PE 250×400
	Model		
	Model		Y180L-6



	Power	kw	15
		rpm	970
Electromagnetic vibration feeder	Model		GZ3F
	Power	W	200

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## Contact Us:

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