



Product

Brief Introduction:

TGM Super Pressure Trapezium Mill, with the patent number of ZL 200520030288.3, has passed the quality certification and CE certification, featured by the original design, reasonable structure, small area covered, low power consumption, long service time, cheap wearing parts and high price-performance ratio, etc. Each item of technical performance has reached the world advanced level. Compared with the traditional mill, its superiorities are beyond comparison.



Highlights:

(1) The innovative design of the mill roller and grinding ring. Compared with Raymond mill, the mill roller and grinding ring are designed in multi-stairs shape, which can reduce the speed of the material gliding between the trapezium mill roller and the grinding ring, increase the time of the material being grinded, and improve the fineness and output of the finished product.

(2) Effective balanced and loaded spring. The trapezium grinding mill absorbs the merits of the Raymond mill and the suspension mill. The grinding roller assembly is connected with the horizontal spring through the



pull-rod, producing the radial force which can avoid the wear and tear due to the large block of material entering into the grinding chamber, thus prolongs the service life of the equipment.

(3) The host machine and the power classifier are connected flexibly, and the damping spring and the seal tape not only reduce the vibration and noise, but also avoid the resonance.

(4) High-density and high-precision impeller device.

(5) High-efficiency and energy-saving centrifugal induced draft fan. The fan plays an important role in the whole operation process of the mill. The trapezium grinding mill adopts the high-efficiency and energy-saving fan, and the efficiency is improved greatly compared with the straight-blade fan.

(6) Compared with Raymond mill, the patented product-super pressure trapezium grinding mill makes it easy and quick to adjust the clearance between the ends of the powder classifier and the shell, and improves the precision of the finished product.



Working Principle:

The mainframe is driven by the speed reducer through the central axis in the mill. The quincunx stand connected with the upper part of central axis, at the quincunx stand and rollers there is shovel system. Materials are fed into the



space between rollers and shovels when they are turning, and then be grinded by the pressure produced when rollers are turning, thus powder is made.



Technical Data:

Table 1

Item\Model	TGM100	TGM130	TGM160
Roller piece	4	5	6
Roller Diameter×Height(m m)	Φ320×200	Φ400x240	Φ440×270
Ring Inner Diameter×Height(m m)	Φ980×200	Φ1280×240	Φ1600×270
Speed Of Main frame (r/min)	130	98	82
Max. Input Size	25	30	35



(mm)			
Product Size (mm)	1.6~0.045 fineness can reach to 0.038	1.6~0.045 fineness can reach to 0.038	1.6~0.045 fineness can reach to 0.038
Capacity (t/h)	3~8.8	6~13	13~22
Overall Dimension (mm)	9910×5365×83 10	7910×7000×96 45	12550×5700×83 55
Weight (t)	16	26.1	35

Note:

1. Based upon limestone grinding with 80% pass-through;
2. The final technical data are subject to the operation manual along with the machine.

Table 2

Name	Item	Unit	Specifications & Technical Data		
			TGM100	TGM130	TGM160
Motor for main frame	Model		Y225S-4	Y280S-4	Y315M1-4
	Power	kW	37	75	132
	Rev.	rpm	1480	1480	1480
Motor for separator	Model		YCT200-4A	YCT200-4B	YCT205-4A
	Power	kW	5.5	7.5	18.5
	Rev	rpm	125~1250	125~1250	125~1250
Motor for Elevator	Model		Y100L-4	Y100L-4	Y112M-4
	Power	kW	3	3	4
	Rev	rpm	1420	1420	1420
Motor for Blower	Model		Y225S-4	Y280S-4	Y315M1-4
	Power	kW	37	75	132
	REV	rpm	1480	1480	1480
Motor for Jaw Crusher	Model	PE	250×400	250×400	250×100



			Y180L-6	Y180L-6	Y200M-6
	Power	KW	15	15	30
	REV	rpm	970	970	970
Electro-Magnetic Vibrating	Model		GZ2F	GZ2F	GZ3F
Feeder	Power	W	150	150	200

Contact Us:

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