



MTW Series Trapezium Mill

Shanghai ShiBang Machinery CO.,LTD
-----PRODUCT INTRODUCTION-----

MTW Series Trapezium Mill

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MTW series mills obtain international advanced technology as well as many proprietary intellectual property rights. Our experts design MTW series mill according to advices of customers of YGM9518 mill and their long-term experiences. The MTW series mills adopt bevel gear integral transmission, inner light-oil lubrication system, arc whirl tube and another proprietary technology.

Application:

This series mills are mainly applied to the powder processing of mineral products in the industries of metallurgy, construction materials, chemical, and mining, etc. They can produce powder from various non-flammable and non-explosive mineral materials with Mohs hardness below 9.3 and humidity below 6%, such as quartz, feldspar, calcite, talcum, barite, fluoride, Xircom, cinder, white lime, cement clinker, activated carbon, dolomite, granite, soft coal, coking coal, lignite, magnesia, chromium oxide green, gold ore, red clay, clay, kaolin, coke, coal Gangue, porcelain clay, kyanite, fluor spar, bentonite, medicinal stone liparite, diabase, pyrophyllite, shale red stone, emeraldite, basalt, gypsum, graphite, carborundum, heat insulating material, etc.

MTW Medium Speed Trapezium Mill Features:

1. bevel gear integral transmission: The traditional mill needs decelerator and ratcheting to drive the main shaft that increase the centering difficulty and is easy to bring noise as well as reduce the efficiency. MTW series mills adopt bevel gear integral transmission that compact the whole structure and simplify the installation as well as improve the efficiency.
2. Inner light-oil lubrication system: The traditional mills' lubrication adopts grease lubrication which increases the resistance of lubrication, creates high inherent temperature and shortens the service life of bearing. MTW series mills adopt light-oil lubrication achieve the lubrication of bearing without oil pump and lubrication station.
3. Arc whirl tube: The traditional mills adopt board-type whirl tube that increases the resistance, reduces the performance, and stops the air flow and so on. MTW series mills adopt arc whirl tube reduce the resistance and avoid the air-stop and so on.
4. Curved surface shovel with changeable edge: The traditional mills adopt quick wear edge and edge combine with shovel. If the edge is worn, all of the shovel should be changed that increase the cost and the stop time. The edge of MTW series mill adopts wearable alloy materials which improve the service life. The Changeable edge is easy to change that save time and cost. The traditional flat shovel make the materials accumulate in one level that reduces the ring and roller' service life. The curved surface shovel makes a vertical material liner which increases the working face and capacity.



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5. Adopt insulating structure between the inner core and mixed air flow that improve the classifying efficiency and precision.
6. non-resistance inlet shell: Traditional observation door of shell protrude that makes the inner surface is not so smooth which brings eddy effect and increase the consumption. MTW series mill adopts the same curved surface which avoids the eddy effect.
7. Fine appearance: MTW series mills not only adopt many advanced structure but also optimize the appearance.

Main specification:

Item	MTW110	MTW138	MTW175
Roller number(pcs)	4	4	6
Inner diameter of roller (mm)	Φ1100	Φ1380	Φ1750
Speed(r/min)	120	96	75
Max. feed size(mm)	< 30	< 35	< 40
Final 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)	3.5~10	6.5~15	11~25
Overall dimension(mm)	8910×6950×9010	9860×8340×10227	13500×11500×9500
Weight(t)	18	28.5	46

Note: capacity is according to the limestone and passing rate is 80% All of thee specification is just as reference.



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Name		Item	Unit	Sepcification		
				MTW110	MTW138	MTW175
Main unit motor		Model		Y280M-6	Y315M1-6	Y355M1-6
		Power	Kw	55	90	160
		Speed	Rpm	980	990	990
Motor of classifier		Model		YCT200-4A(YCT200-4B)	YCT200-4B(YCT225-4A)	YCT225-4A(YCT225-4B)
		Power	Kw	5.5(7.5)	7.5(11)	11(15)
		Speed	Rpm	125~1250	125~1250	125~1250
Motor of blower		Model		Y250M-4	Y280M-4	Y315L1-4
		Power	Kw	55	90	160
		Speed	Rpm	1480	1480	1490
	Elevator	Model		TH250	TH250	TH315
		Motor		Y100L2-4	Y100L2-4	Y112M-4



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		Power	Kw	3	3	4
		Speed	Rpm	1420	1420	1420
	Jaw crusher	Model		PE250×400	PE250×400	PE250×750
		Motor		Y180L-6	Y180L-6	Y200L2-6
		Power	kw	15	15	22
		Speed	Rpm	970	970	970
	feeder	Model		GZ2F	GZ3F	GZ4F
		Power	w	150	200	450



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