

Excellent Grinding Results in a Wide Range of Application

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MTW
梯形磨

应用广泛 性能卓越

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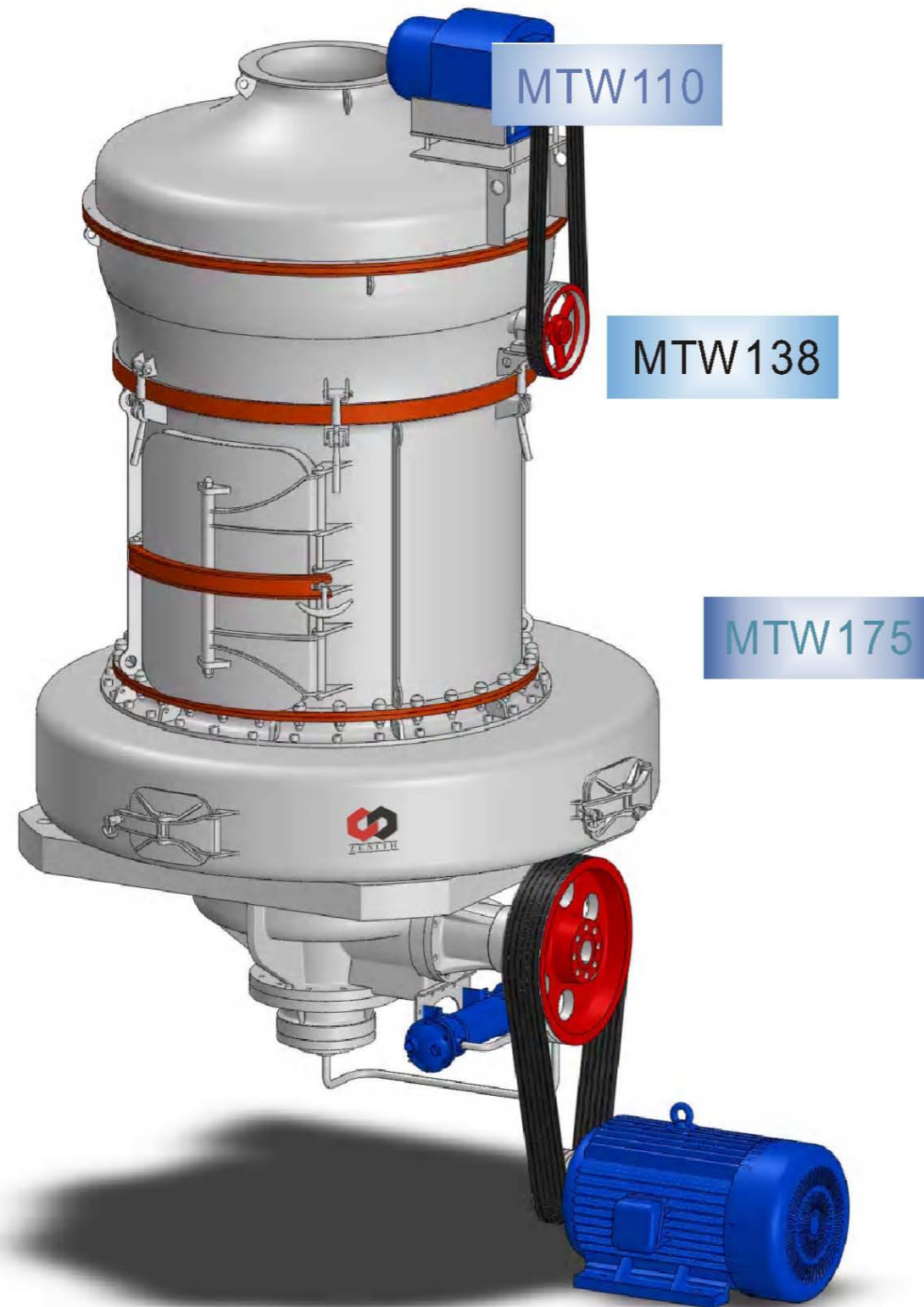
MTW Series Trapezium Mill

New Design



MTW系列梯形磨粉机

MTW Series Trapezium Mill

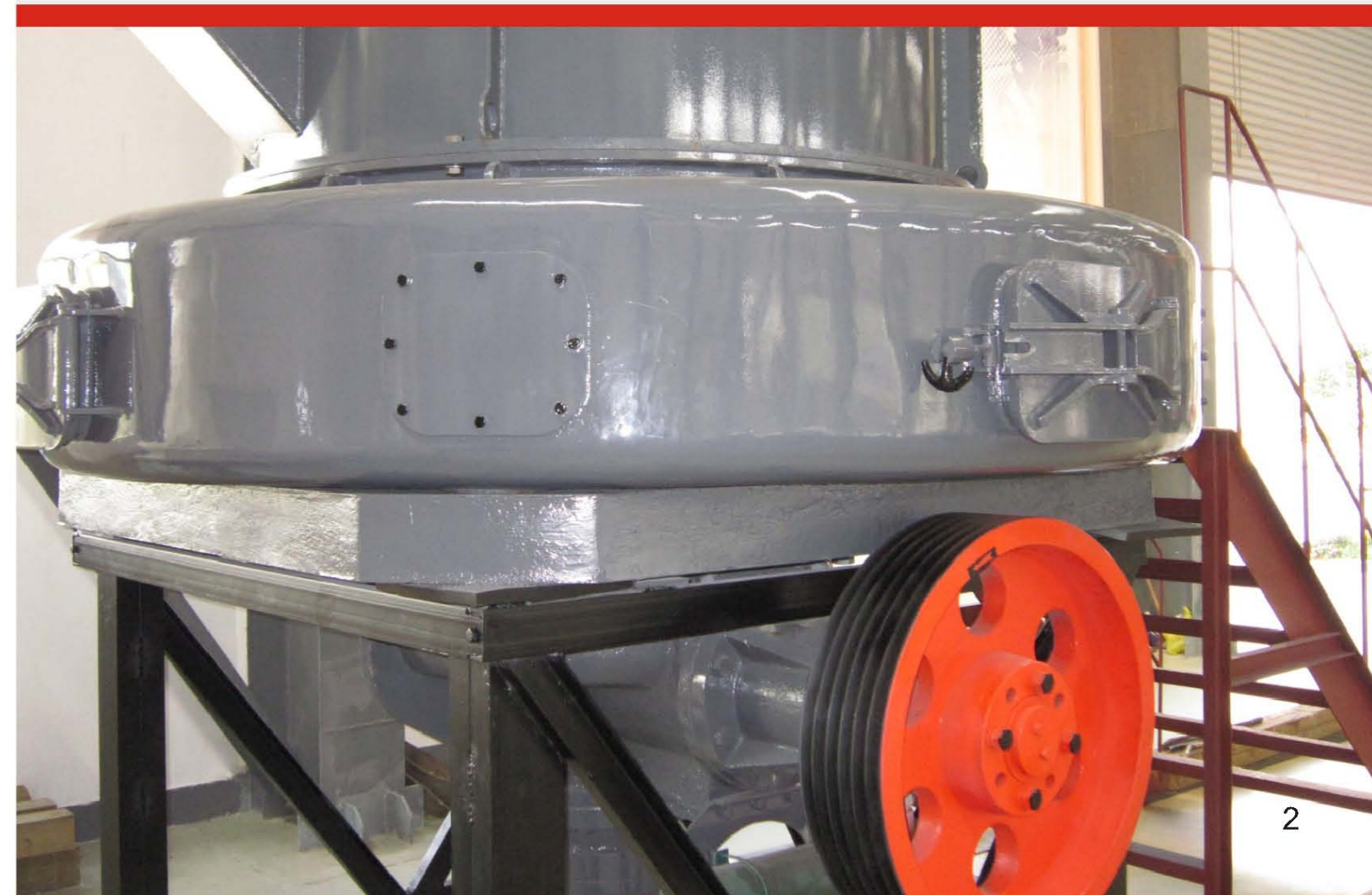


产品简介:

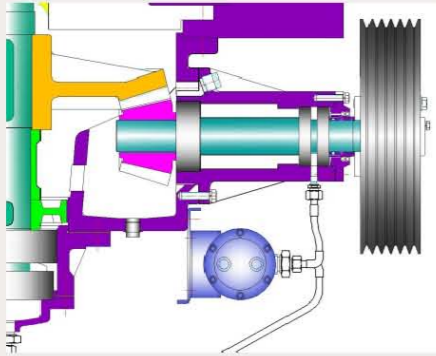
MTW系列梯形磨粉机是我公司技术研发团队总结数十年来工业磨粉机设计经验,在MTM系列工业磨粉机基础上,听取国内外数千名用户使用情况及意见,自主研发出的最新一代拥有多项专利技术产权(如锥齿轮整体传动、内部稀油润滑系统、弧形风道等)的粉磨设备。该产品的面市,标志着我公司在工业磨粉机设计生产方面已达到国际一流水平。

Brief Introduction:

MTW Series Trapezium Mill is the latest grinding equipment researched and developed by our company's experts based on 10 years' researching experiences of MTM series industrial grinding mill and according to thousands of grinding mill users' opinions. This mill adopts a number of patent technology property rights (such as the whole bevel gear transmission design, the internal thin oil lubrication system, and curved duct, etc.). The innovation of this mill has symbolized that our company has achieved the world-class level in industrial mill manufacturing industry.



技术优势： Technology advantages:



1、锥齿轮整体传动： The whole bevel gear transmission

MTW系列梯形磨粉机采用锥齿轮整体传动技术，使传动系统结构更加紧凑，安装调节更方便快捷，使用寿命大大延长。

MTW Series Trapezium Mill adopts the whole bevel gear transmission, the structure is more compact, the installation and adjustment is more convenient, greatly increase the service life.



2、内部稀油润滑系统： Internal thin oil lubrication system

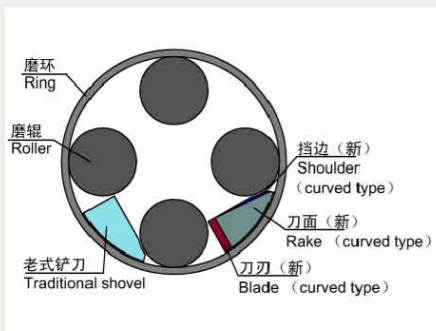
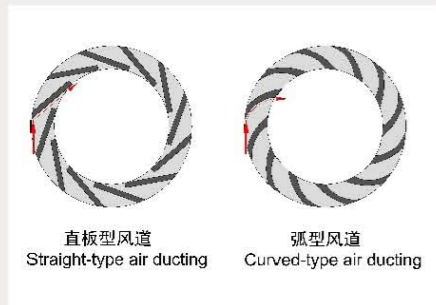
MTW系列梯形磨粉机采用内部油泵供油润滑，无需另外增加油泵及润滑站，即可实现主轴轴承和圆锥齿轮轴轴承的润滑。

MTW Series Trapezium Mill adopts internal pump, without additional pump or lubrication station, it can achieve lubrication between the spindle bearing and bevel gear shaft bearing.

3、弧形风道： Curved duct

MTW系列梯形磨粉机所采用弧形风道，切向气流进口顺滑，气流在风道流动过程中阻力小，内部出口方向有利于物料的分散，不容易堵料。

MTW Series Trapezium Mill uses curved surface duct, Tangential air flow inlet is smooth, the resistance is small, internal outlet direction is good for the distribution of material, it is not easy to cause material jam.



4、曲面可换刀刃铲刀： Curved surface shovel with exchangeable blade

MTW系列梯形磨粉机采用分体式曲面铲刀，更换时只需更换刀刃部分，同时刃部采用高耐磨合金材料，使用寿命大大延长，提高了材料利用率和机器的工作效率。

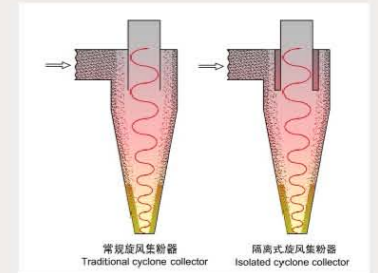
另外曲面型铲刀可将物料导向立面，使磨辊磨环上、中、下部都能粉磨，使其磨损均匀，同时也增大了有效工作面积，提高了机器的产量。

MTW Series Trapezium Mill adopts curved surface shovel whose blade is made of high wear-resistant alloy material, it has long service life, when do replacement, simply replace the blades, it improves material utilization rate. In addition, curved surface shovel blade can scoop materials to a facade, so that all upper, middle and lower part of ring and roller can grind, the wear is even, also it increases the grinding area, therefore increases output.

5、隔离式旋风集粉器： Isolated cyclone collector

MTW系列梯形磨粉机采用隔离式旋风集粉器，内筒与混合气粉流之间采用隔离结构，能够有效的提高选粉效率和选粉精度。

The isolated structure is adopted between the internal cylinder and the mixed air and powder flow, effectively improving the classifying efficiency and accuracy.



6、无阻力进风蜗壳（小观察门无涡流）： No resistance inlet volute (small observation door without vortex)

MTW系列梯形磨粉机观察门内面与进风蜗壳内面在同一曲面上，能有效的避免涡流效应的发生，降低系统能耗。

MTW Series Trapezium Mill makes inner surface of internal door and inner surface of inlet volute on the same curved surface, so that eddy current effects can be effectively avoided, obviously reduce the power consumption.

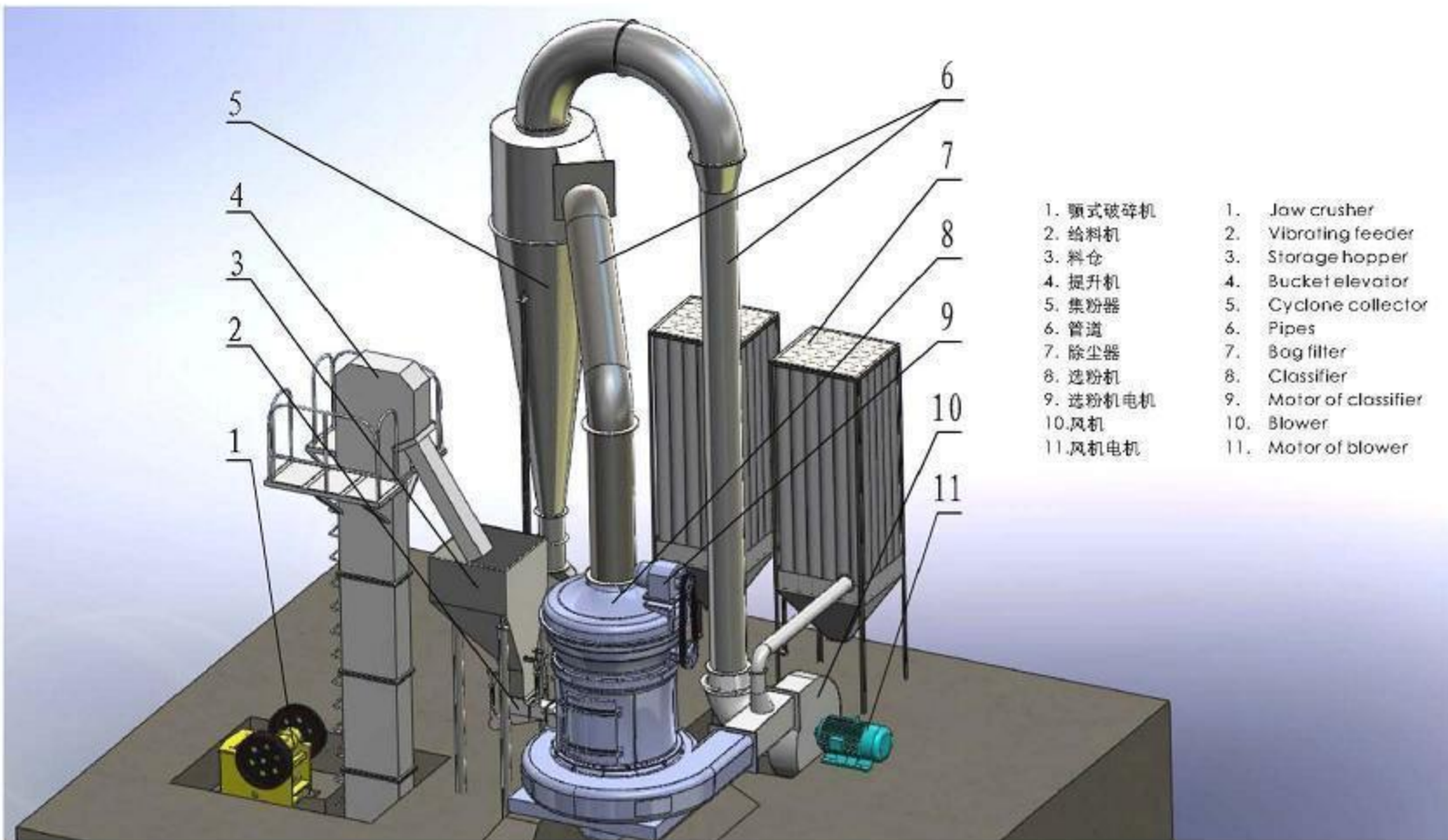


7、精美的外观： Exquisite appearance

MTW系列梯形磨粉机外部采用优美的弧形结构设计，使整机机器显得更加秀外慧中。

MTW Series Trapezium Mill adopts nice curved external structure design, making the whole machine more beautiful.





- | | |
|----------|------------------------|
| 1. 颚式破碎机 | 1. Jaw crusher |
| 2. 给料机 | 2. Vibrating feeder |
| 3. 料仓 | 3. Storage hopper |
| 4. 提升机 | 4. Bucket elevator |
| 5. 集粉器 | 5. Cyclone collector |
| 6. 管道 | 6. Pipes |
| 7. 除尘器 | 7. Bag filter |
| 8. 选粉机 | 8. Classifier |
| 9. 选粉机电机 | 9. Motor of classifier |
| 10. 风机 | 10. Blower |
| 11. 风机电机 | 11. Motor of blower |

名称 Name	项目 Item	单位 Unit	规格、技术数据 specification			
			MTW110	MTW138	MTW175	
主机电动机 Motor of Main unit	型号 Model		Y280M-6	Y315M1-6	Y355M1-6	
	功率 Power	千瓦 kW	55	90	160	
	转速 speed	转/分 r/pm	980	990	990	
选粉机调速电动机 Motor of classifier	型号 Model		YCT200-4A (YCT200-4B)	YCT200-4B (YCT225-4A)	YCT225-4A(YCT225-4B)	
	功率 Power	千瓦 kW	5.5 (7.5)	7.5 (11)	11(15)	
	转速 speed	转/分 r/pm	125~1250	125~1250	125~1250	
离心引风机电动机 Motor of blower	型号 Model		Y250M-4	Y280M-4	Y315L1-4	
	功率 Power	千瓦 kW	55	90	160	
	转速 Speed	转/分 r/pm	1480	1480	1490	
辅机部分 Auxiliary Parts	斗提 Elevator	斗提型号 Model	TH250	TH300	TH315	
		电机型号 Motor	Y100L2-4	Y100L2-4	Y112M-4	
		电机功率 Power	千瓦 kW	3	3	4
		电机转速 Speed	转/分 r/pm	1420	1420	1420
	颚破 Jaw crusher	颚破型号 Model	PE250×400	PE250×400	PE250×750	
		电机型号 Motor	Y180L-6	Y180L-6	Y200L2-6	
		电机功率 Power	千瓦 kW	15	15	22
		电机转速 Speed	转/分 r/pm	970	970	970
	给料机 Feeder	型号 Model	GZ2F	GZ3F	GZ4F	
		功率 Power	瓦 W	150	200	450

技术参数表 Specification Chart

名称	参数	产品	MTW110	MTW138	MTW175
磨辊数量 (个)	Roller number(pcs)		4	4	6
磨环内径	Inner diameter of ring (mm)		Φ1100	Φ1380	Φ1750
主机转速	Rotate Speed(r/min)		120	96	75
进料最大尺寸(mm)	Max. feed size		< 30	< 35	< 40
成品粒度(mm)	Final size		1.6~0.045 最细可达0.038 Fineness can reach to 0.038	1.6~0.045 最细可达0.038 Fineness can reach to 0.038	1.6~0.045 最细可达0.038 Fineness can reach to 0.038
产量(t/h)	Capacity		4~12	8~20	12~30
外形尺寸 (mm)	Overall dimension		8910×6950×9010	9860×8340×10227	13500×11500×9500
总重 (t)	Weight		18	28.5	46

注：表中产量指粉磨石灰石，其成品的通过率80%。各项参数及外形若有变更，依发货时随机带的的使用维护说明书为准。
Note: Capacity in the chart refers to limestone grinding under 80% pass rate production.
All technical data please subject to maintenance instruction manual with the shipment

