



# MTW Series Trapezoid Mill

Reach new height with KEFID

- The production increases 20%
- Cambered air channel, better material liquidity
- The fineness is 425 mesh
- With efficient and convenient of inner oil pump





As China's largest crushing plant, mill equipments and beneficiation plants production base, kefid has exported large quantities and high-end mobile crushing plant and milling equipments to Russia, Kazakhstan, Indonesia, Ecuador, South Africa, Nigeria, Turkey more than 100 countries and regions and have solved about thousands of and beneficiation projects all over the world, which has made tremendous contributions to the local construction, mining industry and developments.

European Tech. Grinding Mill also called MTW Series Trapezoid Mill, that is our latest grinding machine with several patents, optimized based on our suspension mill 9518, absorbed european manufacturing technology, improved the production technology, raises work efficiency, meets clients requirements of excellent fineness, reliable performance and favorable price.



## MTW Series Trapezoid Mill is the most powerful equipment for milling

**1.Bevel gear overall drive.**The MTW is driven through the bevel gear and compact in its structure,thus it is quite easy to be installed and adjusted;While the traditional mill has to be equipped with a reducer which drives the main axis through coupling,it is rather difficult to be centered while being installed, and it's noise-making and inefficient.



**2.Inner automatic thin-oil lubrication system.**The traditional mill use grease lubrication, which makes high resistance and temperature, thus shorting the bearing's life. MTW series mill adopts inner oil pumps, so the main shaft bearing and bevel gear bearing can be lubricated without an additional



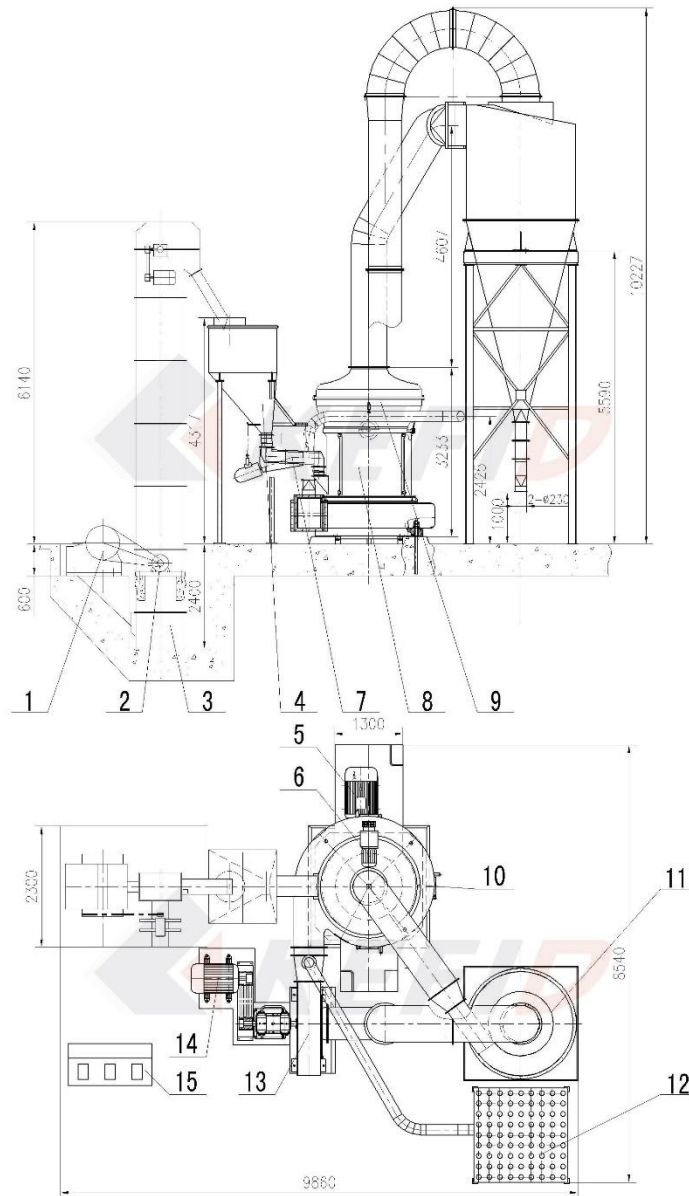
lubrication system. Meanwhile it has water cooling system which can prolong the equipment's life.

**3.Arc air channel.**The curved air channel makes the air flow smoothly and causes low resistance and few blocking; while the traditional one uses straight-type air channel which often increases eddy vortex and blocking.

**4.Replaceable cambered shovel edge.**The edge of the blade of traditional mill has faster speed of abrasion. And the blade is a whole plant, if one edge of the blade was abraded, you should change the whole blade,it will waste your material and the working time.But MTW mill have longer life because of the material of the blade is high wear resistant material. You just need to change the edge of the blade, which increase the material of the utilization.What's more,the blade of the traditional mill is planar,materials were always accumulated together in one place, which made the central of the roller and ring abraded greatly.But the camber blade do not have this problem, all the upper,middle and lower of the roller and ring can grind evenly,so it will increase capacity.

**5. Separated cyclone powder collector increase the efficiency and precision of powders collection.**

**6.No wind-age resistance volute.**The observation window of the air volute of traditional mill is not in the same surface with the volute,causing vortex flow and increasing energy consumption; while the MTW avoids the above problem,and greatly enhances the milling efficiency.



- |                             |  |
|-----------------------------|--|
| 1- PE250×400Jaw crusher     | 9- Separator                           |
| 2- The motor of Jaw crusher | 10- The access door of main frame      |
| 3- TH250 Elevator           | 11- Separated cyclone powder collector |
| 4- Hopper                   | 12- Dust-collecting fan                |
| 5- The motor of mainframe   | 13- Blower                             |
| 6- The motor of separator   | 14- Motor of blower                    |
| 7- GZ3F vibrating screen    | 15- Electric control cabinet           |
| 8- Main frame               |  |

## Technical Parameters of MTW Series Trapezoid Mill

Mm to inch conversion: 25.4millimeters=1 inch

The humidity and hardness of raw material will affect the fineness and capacity.

Model	MTW110	MTW138	MTW175	MTW215
Quantity of roller (PCS)	4	4	5	5
Inner diameter of ring (mm)	Φ1100	Φ1380	Φ1750	Φ2150
Rotary speed of main frame(r/min)	120	96	75	65
Max. Feeding size(mm)	< 30	< 35	< 40	< 50
Output size (mm)	1.6~0.045 The fineness is 0.038	1.6~0.045 The fineness is 0.038	1.6~0.045 The fineness is 0.038	1.6~0.075
Capacity (t/h)	3.5~10	6.5~15	11~25	30~45
Overall dimension (mm)	8910×6950×9010	9860×8340×10227	13500×11500×9500	14730×10860×10341
Overall dimension (mm)	18	28.5	46	92

Remarks: Capacity is based on grinding limestone, 80% passing-through. If the technical data and overall dimension is changed, it is subjected to the operation manual which is together with delivered goods.

Note: Any change of MTW Series Trapezoid Mill technical data shall not be advised additionally.



The analysis of **large-scale grinding plant**



Kefid **10tph** Gypsum Powder Grinding Plant in Iran



**Raw Material:** gypsum powder

**Input Size:** 10-30mm

**Output Size:** 200-325 mesh;

**Capacity:** 10t/h

**Equipment:** MTW series mill MTW175

Kefid **5tph** Limestone Grinding Plant in Philippines



**Raw Material:** limestone

**Input Size:** 200 mm

**Output size:** 325 mesh; D90

**Capacity:** 5 t/h

**Equipment:** MTW series mill MTW138



## The Strength of Kefid

Kefid Machinery is a leading and pioneering enterprise with the most advanced international level in R&D, manufacturing and selling of large-scale crushing & screening plants and beneficiation plants. Located in a historic city and transportation hub in central China-Zhengzhou, covering 140 thousand square meters, Kefid has Shangjie and High-tech zone two production bases. Shangjie Zone which covers 80,000 square meters has three heavy-duty and modern integrated assembling workshops--occupying 50,000 square meters; High-tech zone has 22 floors R&D Management laboratory building with 26,000 square meters, comprehensive equipments exhibition hall with 5,100 square meters, heavy-duty and modern integrated assembling workshop with 10,000 square meters, and also has the industry's most advanced machining workshop 20,000 square meters, and hundred sets of advanced large-scale vertical lathe, fixed lathe, planner, boring lathe, grinder and milling machines.



## SERVICE-With Me- Enjoy your pleasant journey

Your profit is our greatest concern and your praise is the biggest compliment that we diligently strive for. Our aim is, with the core of service, tailored for you the most valuable products with comprehensive pre-sale, sale and after sale service.

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## SPARE PARTS

### Grinding Plant



Ring



Roller



Shovel Base



Hinged support



Classifier Impeller

### Crushing Plant



Weights for movable



Fixed jaw plate



Movable jaw plate



Lining board



wedge

### Sand-making Equipment



Circum Guard plate



Impact Plate



Impact Block



Hammer



wearproof Plate



# PRODUCT LIST

## Stationary Crushers

JC Series Jaw Crusher  
 Jaw Crusher  
 C6X Series Jaw Crusher  
 Primary Impact Crusher  
 CI5X Series Impact Crusher  
 Impact Crusher  
 CS Cone Crusher  
 Spring Cone Crusher  
 HPT Cone Crusher  
 Deep Rotor VSI Crusher  
 B Series VSI Crusher  
 VSI6S vertical shaft impact crusher

## VU System Equipment

Dry Sand Making System  
 Dry-Mixed Mortar Sand Making Equipment  
 Concrete-Use Sand Making Equipment

## Grinding Mills

Ultra Fine Vertical Grinding Mill  
 VM - Vertical Grinding Mill  
 European Tech. Grinding Mill  
 Micro Powder Mill  
 Raymond Mill  
 Ball Mill

## Washing & Screening

F5X Heavy Vibrating Feeder  
 Screw Sand Washing Machine  
 Wheel Sand Washing Machine  
 Vibrating Feeder  
 Belt Conveyor

## K series mobile plants

Primary mobile crushing plant  
 Mobile Secondary Crushing & Screening Plant  
 Independent Operating Combined Mobile Station  
 Fine crushing and screening mobile station  
 Fine crushing & washing mobile station  
 Three combinations mobile crushing plant  
 Four combinations mobile crushing plant

## Crawler Mobile Crusher

## Ore Beneficiation

Jaw Crusher  
 HPT Cone Crusher  
 Ball Mill  
 Rotary Kiln  
 Flotation Machine  
 High Gradient Magnetic Separator

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