

# MTW Series Continental Trapezoid Grinding( grinding mill )

## Introduction to the MTW Series Continental Trapezoid

### Grinding ( [grinding mill](#) )

Based on the years' reseach experience and the suggestion of our customer, the MTW series [Grinding mill](#) is the latest grinder .The **MTW Series Continental Trapezoid Grinding mill** adopt bevel gear integral transmission, inner light-oil lubrication system, arc whirl tube and other latest technologists.



## Technical features of MTW Series Continental Trapezoid Grinding ( [grinding mill](#) )

1. **Grinding mill** adopts the trapezoid drinding roller and ring ,which can improve the crushing efficiency.
2. **MTW Series Continental Trapezoid Grinding** adopts the pressure spring which can balance the pressure effects and can take the elastic coupling which can balance and relief the shaking.
3. **MTW Series Continental Trapezoid Grinding** adopts the classifier impeller ,which can improve the classifying precision and the production density.
4. **Grinding mill** adopts the induced eccentric draft fan with high energy-saving

## Application of MTW Series Continental Trapezoid

### Grinding([grinding mill](#))

And now **Grinding mill** have found its extensive application in the field of Building materials, chemicals, fertilizer, metallurgy, mining, nonmetal, abrasive, refractory, ceramics, steel, thermal power, bricks, coal with the Mohs hardness lower than 9 degree .And it can be used to crush various non-flammable and explosive mineral materials with the moisture of less than 6%.

## Working principle of MTW Series Continental Trapezoid

### Grinding([Grinding mill](#))

The **grinding mill** is driven by rotation of the central axle through gear ,with the up end of the axle connecting to a quincunx-rack upon which the grinding equipment is fixed. The whole set equipment turns together with the axle along the grinding ring while the rollers rotate driven by the fractional force .A set of shovel are installed at the lower end of the quincunx-rack.While turning together with the rollers ,the shovels shed the stuff onto the gap between the rollers and the ring ,and that's where the stuff layer forms . The rotating rollers ,while turning together with the ring ,grind the stuff layer into powder.

## Main parameters of MTW Series Continental Trapezoid

### Grinding([Grinding mill](#))

| Type   | Roller Number(pcs) | Ring Inner Diameter(mm) | Rev.of main frame(rpm) | Max.Feed Size(mm) | Finished Size(mm) | Capacity(th) | Overall dimension(mm) |
|--------|--------------------|-------------------------|------------------------|-------------------|-------------------|--------------|-----------------------|
| MTW110 | 4                  | Φ1100                   | 120                    | <30               | 1.6~0.045         | 3.5~10       | 8910×6950×9010        |
| MTW138 | 4                  | Φ1380                   | 96                     | <35               | 1.6~0.045         | 6.5~15       | 9860×8340×10227       |
| MTW138 | 6                  | Φ1750                   | 75                     | <40               | 1.6~0.045         | 11~25        | 13500×11500×9500      |

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