High efficiency of the powder collection
Improve the product fineness
The equipment is more reliable
Increase the production
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.

T130X enhanced super-fine grinding mill is a newly designed grinding mill based on the former patent product - TGM super pressure trapezium mill according to market investigation and careful statistics and analysis of use and suggestions from our clients carried out by our experts, which has got unique features by carrying on and improving structures and performance of TGM. The machine is mainly used in processing powder of mineral materials of metallurgy, building materials, chemical industry, mining, etc.
T130X enhanced super-fine grinding mill concentrate on grinding

1. The main frame and the base are completely soft-linked rather than rigid-contacted. It avoids the vibration from the chamber transferring to the main frame and the classifier, which improving the precision of the classifier.

2. The base are made of anti-crack nodular cast iron which boasts the strength of cast steel, the anti-vibration of cast iron and good impact resistance.

3. It adopts the reducer that simulates German Flender. Technological advantage of professional reducer manufacturers are made full use of to improve machine stability. Reducer and motor are connected by V-belt which is conducive to overload protection.

4. The main frame and reducer are connected by pin coupling with Elastic sleeve to ward off the breaking of nylon pin, which improves the reliability of the whole equipment.

5. The classifier adopts high density impeller which can improve the fineness and capacity. Practice shows that in the case of constant speed, increasing the density of leaves can increase the fineness of the finished product. In other words, in the condition of same fineness, the high-density impeller rotates slower than the low-density one, which reduces the air resistance and increases production meanwhile.

6. The classifier adopts frequency control of motor speed with the characteristics of energy-saving, precision, good process control mobility and high degree of automation.

7. Bypass powder collector with a dust isolation chamber make more dust go into the bottom of cyclone by the bypass system to avoid the dust escaping from air vents. Compared with general powder collector, it has the character of low pressure loss and high efficiency, particularly being conducive to collect the powder particles which is difficult to collect.

8. Same resistance arrangement avoids difference in power from two powder collector, which increases the efficiency, capacity and decreases internal circulation.

9. The discharges of the collector and dust remover are in the same line which is convenient for powder collecting and packing and reduces the amount of work.

10. The maintenance platform makes maintenance work safer and more convenient.
1- The upper shell of separator
2- The low shell of separator
3- The main frame
4- The main shaft
5- The rotor of the separator
6- The main shaft assembly of separator
7- The transverse shaft assembly of separator
8- The belt wheel of separator
9- The oil sump of separator
10- Spring
11- The hanging bracket of roller
12- Roller
13- Shovels
14- Volute
15- The engine base
16- The transmission shaft assembly
17- The belt wheel of main engine
18- Lubricating oil line
# Technical Parameters of T130X Super-fine Grinding Mill

## 1. Parameters of machine body

<table>
<thead>
<tr>
<th>Name</th>
<th>Unite</th>
<th>Specifications and technical parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantity of roller</td>
<td>pcs</td>
<td>4</td>
</tr>
<tr>
<td>Diameter of roller×height</td>
<td>mm</td>
<td>Ф410×210</td>
</tr>
<tr>
<td>Diameter of grinding ring×height</td>
<td>mm</td>
<td>Ф1300×210</td>
</tr>
<tr>
<td>Rotating speed of machine body</td>
<td>Rev/min</td>
<td>103</td>
</tr>
<tr>
<td>Max feeding size</td>
<td>mm</td>
<td>&lt;30</td>
</tr>
<tr>
<td>Grain size of powder</td>
<td>mm</td>
<td>0.074—0.038</td>
</tr>
<tr>
<td>Production capacity</td>
<td>t/h</td>
<td>4—13</td>
</tr>
<tr>
<td>Total weight of machine body</td>
<td>t</td>
<td>18</td>
</tr>
</tbody>
</table>

## 2. System power

<table>
<thead>
<tr>
<th>Name</th>
<th>Item</th>
<th>Unite</th>
<th>Specifications, technical data</th>
</tr>
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<tbody>
<tr>
<td>Main motor</td>
<td>Model</td>
<td></td>
<td>Y280S-4</td>
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<tr>
<td></td>
<td>Power</td>
<td>Kw</td>
<td>75</td>
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<tr>
<td></td>
<td>Rotational speed</td>
<td>Rev/min</td>
<td>1480</td>
</tr>
<tr>
<td>Motor of classifier</td>
<td>Model</td>
<td></td>
<td>Y160L-4</td>
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<tr>
<td></td>
<td>Power</td>
<td>Kw</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Rotational speed</td>
<td>Rev/min</td>
<td>1460 (frequency control)</td>
</tr>
<tr>
<td>Motor of elevator</td>
<td>Model</td>
<td></td>
<td>Y100L2-4</td>
</tr>
<tr>
<td></td>
<td>Power</td>
<td>Rev/min</td>
<td>3</td>
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<tr>
<td></td>
<td>Rotational speed</td>
<td>Rev/min</td>
<td>1430</td>
</tr>
<tr>
<td>Motor of draught fan</td>
<td>Model</td>
<td></td>
<td>Y280M-4</td>
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<tr>
<td></td>
<td>Power</td>
<td>Kw</td>
<td>90</td>
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<tr>
<td></td>
<td>Rotational speed</td>
<td>Rev/min</td>
<td>1480</td>
</tr>
<tr>
<td>Motor of jaw crusher</td>
<td>Jaw crusher model</td>
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<td>PE 250×400</td>
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<tr>
<td></td>
<td>Motor model</td>
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<td>Y180L-6</td>
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<tr>
<td></td>
<td>Motor power</td>
<td>Kw</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Motor rotational speed</td>
<td>Rev/min</td>
<td>970</td>
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<tr>
<td>Vibration feeder</td>
<td>Model</td>
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<td>GZ3F</td>
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<td></td>
<td>Power</td>
<td>W</td>
<td>200</td>
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*Note: The final technical data are subject to the operation manual along with the machine.*
The analysis of large-scale grinding plant

Kefid 7TPH Limestone Grinding Plant in Egypt

- **Raw Material**: limestone
- **Output size**: 400 mesh
- **Capacity**: 7 t/h

Kefid 8-10TPH Calcium carbonate Grinding mill in Egypt

- **Material**: Calcium carbonate
- **Capacity**: 8-10 t/h
- **Input size**: 200mm
- **Output size**: 74 microns
- **Application**: Construction industry
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.

Tel: 0086-371-67999255
Email: Sales@kefid.com

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

<table>
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<tr>
<th>Stationary Crushers</th>
<th>VU System Equipment</th>
<th>K series mobile plants</th>
</tr>
</thead>
<tbody>
<tr>
<td>JC Series Jaw Crusher</td>
<td>Dry Sand Making System</td>
<td>Primary mobile crushing plant</td>
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<tr>
<td>Jaw Crusher</td>
<td>Dry-Mixed Mortar Sand Making Equipment</td>
<td>Mobile Secondary Crushing &amp; Screening Plant</td>
</tr>
<tr>
<td>C6X Series Jaw Crusher</td>
<td>Concrete-Use Sand Making Equipment</td>
<td>Independent Operating Combined Mobile Station</td>
</tr>
<tr>
<td>Primary Impact Crusher</td>
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<td>Fine crushing and screening mobile station</td>
</tr>
<tr>
<td>CI5X Series Impact Crusher</td>
<td><strong>Grinding Mills</strong></td>
<td>Fine crushing &amp; washing mobile station</td>
</tr>
<tr>
<td>Impact Crusher</td>
<td>Ultra Fine Vertical Grinding Mill</td>
<td>Three combinations mobile crushing plant</td>
</tr>
<tr>
<td>CS Cone Crusher</td>
<td>VM - Vertical Grinding Mill</td>
<td>Four combinations mobile crushing plant</td>
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<tr>
<td>Spring Cone Crusher</td>
<td>European Tech. Grinding Mill</td>
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<tr>
<td>HPT Cone Crusher</td>
<td>Micro Powder Mill</td>
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<tr>
<td>Deep Rotor VSI Crusher</td>
<td>Raymond Mill</td>
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<tr>
<td>B Series VSI Crusher</td>
<td>Ball Mill</td>
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<tr>
<td>VSI6S vertical shaft impact crusher</td>
<td><strong>Washing &amp; Screening</strong></td>
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<tr>
<td></td>
<td>F5X Heavy Vibrating Feeder</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Screw Sand Washing Machine</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wheel Sand Washing Machine</td>
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<tr>
<td></td>
<td>Vibrating Feeder</td>
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</tr>
<tr>
<td></td>
<td>Belt Conveyor</td>
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</tbody>
</table>

**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

**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

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

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

**Ore Beneficiation**
- Jaw Crusher
- HPT Cone Crusher
- Ball Mill
- Rotary Kiln
- Flotation Machine
- High Gradient Magnetic Separator

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