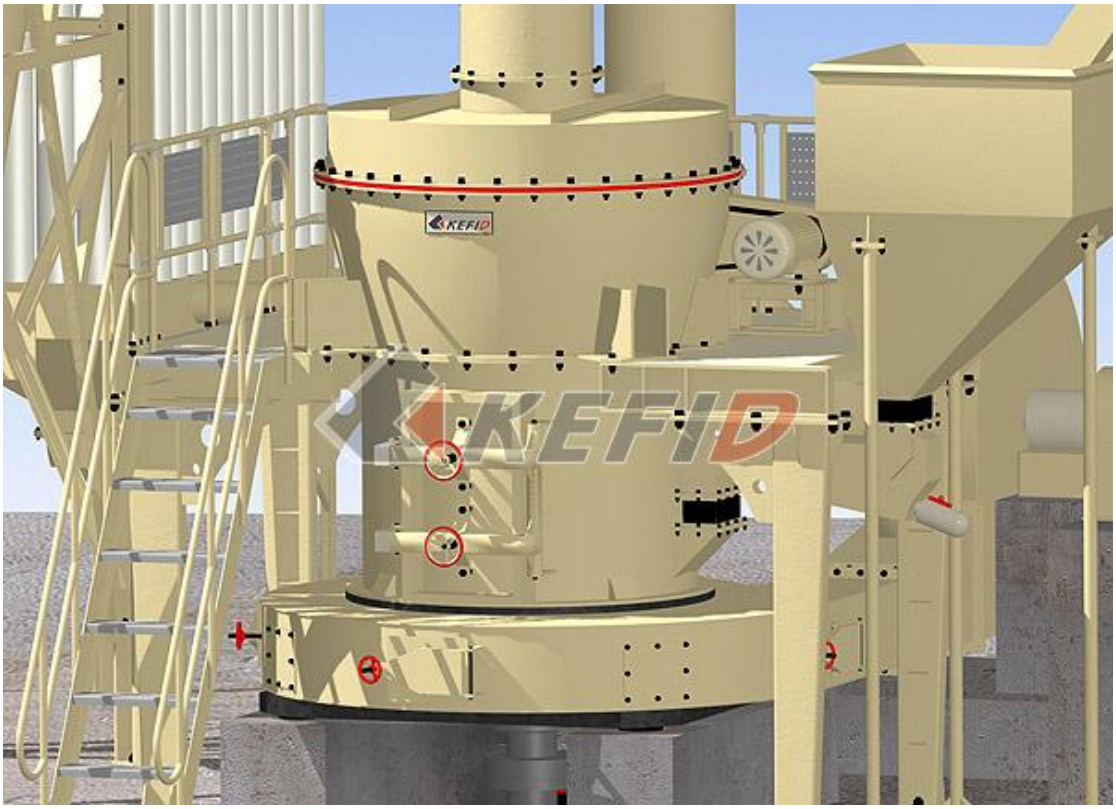
T130X Super-fine Grinding Mill



T130X reinforced ultrafine mill is mainly used in metallurgy, building materials, chemicals, mining of minerals such as grinding materials processing, it can ground feldspar, calcite, talc, barite, fluorite earth, rare marble, ceramic , bauxite, manganese ore, iron ore, copper ore, phosphate rock, red iron oxide, slag, clinker, activated carbon, dolomite, granite, yellow iron oxide, soybean meal, chemical fertilizers, compound fertilizers fly ash, bituminous coal, coke, lignite, sand, magnesite, gold, red clay, clay, kaolin, coke, coal gangue, porcelain clay, kyanite, fluorspar, bentonite, rhyolite stone, muddy green rock, rock, leaf wax , shale rock, stone dwelling, gypsum, graphite, insulation materials, processing of all minerals with moisture below 6%, non-flammable or explosive.

Main Features:

T130X reinforced ultrafine mill is a new facility designed by SBM expert based on statistical analysis and a large number of suggestions from users and based on the innovative design of the super pressure trapezoidal mill. This model has superseded and optimized in the structural characteristics of trapezoidal MTM mill, and it also formed its own unique characteristics:

1. The body connected to the base of all soft contact without rigid contact

This avoid body vibration to analyzer, improved the accuracy of the analysis.

2. The base made of high strength ductile cast iron

Ductile cast iron has the performance of damping force of molten steel, and good impact resistance.

3. Use of Germany Flender reducer

It fully exploited the technical advantages of professional manufacturer to improve the stability of the machine.

Reducer and motor is driven by the triangle belt for transmission for overload protection.

4. The coupling of the elastic sleeve is used in the main unit and the gearbox, which avoided the phenomenon of easily breaking nylon pin, thus improving the reliability of equipment.

5. Analyzer machine applies high-density blade

The classifier uses high-density blade that can increase the fineness of powders and the production capacity. Practice shows that in the case of velocity remained unchanged, the density of the leaves can increase the fineness of the finished products. In other words, in the case of the same finesse, high-density blade is driven by a lower rate than that of low density, thus reducing air resistance and increasing production.

Adopting a new structure of the blade wheel prevented the escape of the coarse powders.

6. Analyzer with a frequency control

It adopts the variable voltage and variable frequency to save more energy than the electromagnetic ones, and with the characteristics of accurate control, flexible process control, and high degree of automation.

7. Use of dust bypass collector

The dust bypass collector has an insulation cavity to reduce dusty gas escape from the lower vents. Compare with other dust collector, the bypass dust collector are high-efficiency and less pressure loss, particularly for collecting dust particles that is difficult to collect by the general collectors.

8. Equipment layout of the equal resistance design The equal resistance arrangement to avoid using of two different dust collector outputs power, improved dust collector's performance, reduced internal circulation, and increased production of the mill.

9. Two collector discharge ports and dust collector are of a straight line arrangement to facilitate the materials centralized collection, which is labor saving and easy packing.

10. Establishing maintenance platform to make the mill maintenance more convenient and secure.

Technical Parameter:

1. Parameters of machine body

Name	Unite	Specifications and technical parameters
Quantity of roller	pcs	4
Diameter of roller×height	mm	Φ410×210
Diameter of grinding ring×height	mm	Φ1300×210
Rotating speed of machine body	Rev/min	103
Max feeding size	mm	<30
Grain size of powder	mm	0.074—0.038
Production capacity	t/h	4—13
Total weight of machine body	t	18

2. System power

Name	Item	Unite	Specifications, technical data
Main motor	Model		Y280S-4
	Power	Kw	75
	Rotational speed	Rev/min	1480
Motor of classifier	Model		Y160L-4

	Power	Kw	15
	Rotational speed	Rev/min	1460(frequency control)
Motor of elevator	Model		Y100L2-4
	Power	Rev/min	3
	Rotational speed	Rev/min	1430
Motor of draught fan	Model		Y280M-4
	Power	Kw	90
	Rotational speed	Rev/min	1480
Motor of jaw crusher	Jaw crusher model		PE 250×400
	Motor model		Y180L-6
	Motor power	Kw	15
	Motor rotational speed	Rev/min	970
Vibration feeder	Model		GZ3F
	power	W	200