

Grinding Machine

Operating Instruction

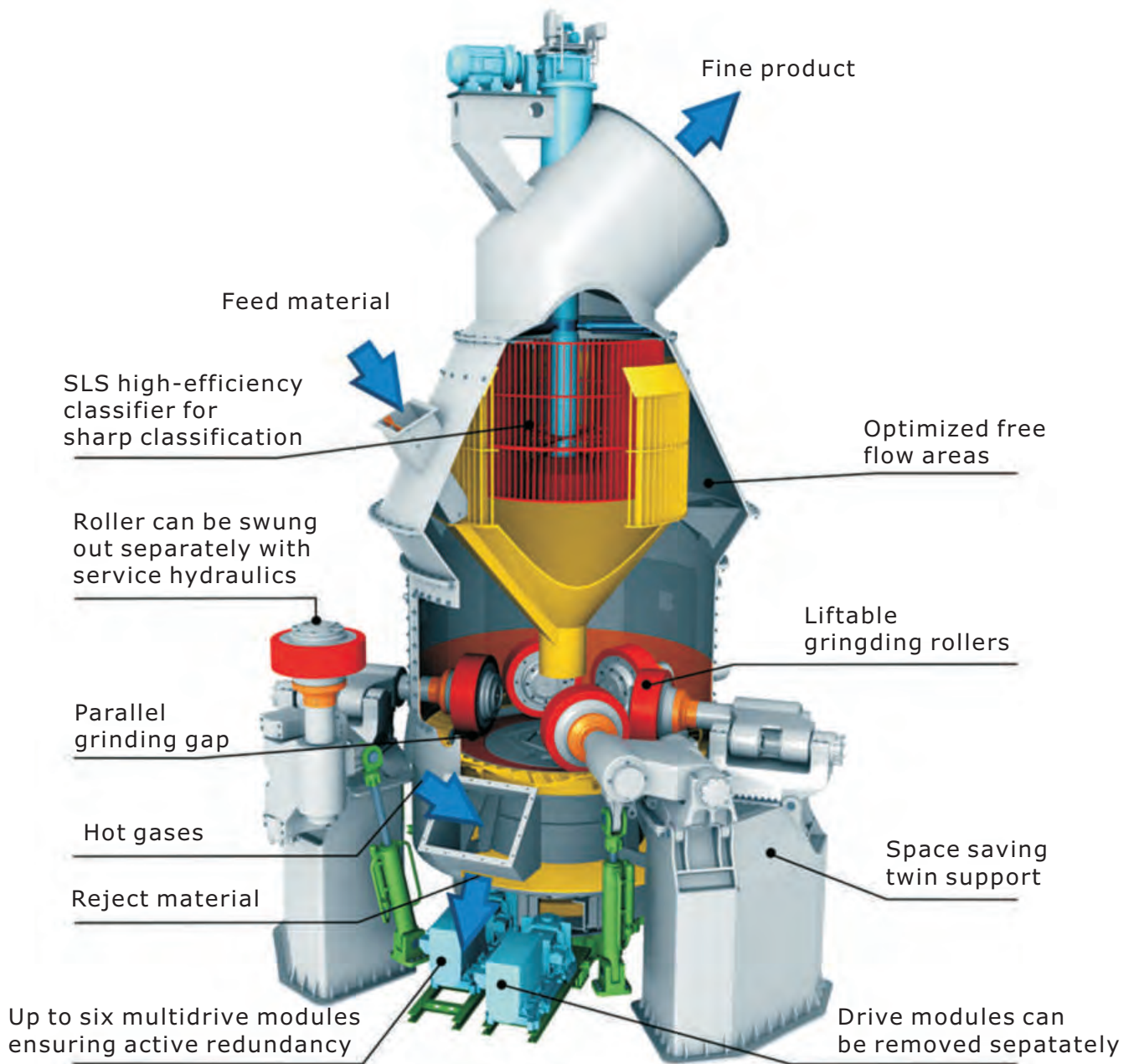


Henan Shibo Heavy Machinery Co., Ltd.

Overview

Grinding Machine is suitable for grinding the barite, limestone, ceramic, slag which are non-flammable materials with Mohs hardness not more than 9.3, and the humidity below 6. The device is suitable for

high fine powder processing of a variety of materials in mining, metallurgy, chemical industry, building materials or other industries.



Features

Compared to other grinding mill and under the same dynamic condition.

The ore materials of 9.3 degree can all be processed and crushed.

Dust removal effect can completely reach to the national dust emission standard.

The analytical engine is easy to adjust.

Specification of Product Granularity

- 1 Output can be improved by 10-20%, the ground pressure of grinder roll to materials improve 800-1200kg under high pressure spring force.
- 2 The ore materials of 9.3 degree can all be processed and crushed.
- 3 The largest diameter of particles can reach to 30 mu, the general diameter of particles is up to 0.033 millimeter(425 mu). The finest small amount of material can reach to 0.013 millimeter (1000 mu).

Characteristics

Processing ability: 0.2-21 t

Feeding size: ≤ 25 mm

Product granularity: 0.125-0.010 mm

Rotate speed of central shaft: 160-180 r/min

Applied material: feldspar, talc, barite, marble, limestone, argil, etc

Working principle

In grinding chamber of high-pressure powder mill, roller is hanged on the roller hanger through cross arm shaft, roller hanger is joined with the spindle and turret shovel, pressure spring tightly suppresses the outer bracket of roller shaft chamber, to take arm shaft as supporting point, the spring pressure makes roller shaft tightly press the inside of ring round

surface, when engine rotates by transmission device, the relieving tool rotates si-mutinously with grinding roll, the grinding roll rotates around itself while it rolls on the inside of ring round surface, the analytical engine drive the impeller rotated through motor device, the rotational speed of analytical engine determines the fineness of the powder.





Powder Production Line

Powder production line is made up of jaw crusher, hopper, bucket elevator, classifier, dust collector, high-pressure mill, reducer, vibrating feeder, air-blower, etc.

Technical data

| Parameter | Type | Micropowder93 | Micropowder91 | Micropowder87 | Micropowder76 | Micropowder66 |
|---|-------------------|---------------|---------------|---------------|---------------|---------------|
| | Feeding size (mm) | | ≤25 | ≤25 | ≤20 | ≤20 |
| Size of finished product (mm) | | 0.125-0.010 | 0.125-0.033 | 0.125-0.010 | 0.125-0.033 | 0.125-0.010 |
| Shift output of different material fineness (t) | | 0.8-12 | 0.6-10 | 0.4-8 | 0.3-6 | 0.2-4 |
| Rotate speed of central shaft (r/min) | | 140 | 148 | 160 | 170 | 180 |
| Diameter of pulverizing ring (mm) | | 1006 | 973 | 907.5 | 850 | 725 |

| | | | | | |
|-------------------------------------|------------|------------|--------------|--------------|------------|
| Diameter of pulverizing roller (mm) | 300 | 300 | 270 | 260 | 210 |
| Height of pulverizing roller (mm) | 160 | 160 | 150 | 150 | 150 |
| Main Motor | Y225M-8-30 | Y225M-8-22 | Y225M-8-22 | Y225S-8-18.5 | Y225M-8-15 |
| Fan Motor | Y160E-2-22 | Y180L-4-22 | Y160L-4-18.5 | Y160L-4-15 | Y160L-4-11 |
| Analyzer motor | Y112M-4A-3 | Y112M-4A-3 | YC120-4A-3 | Y112M-4A-3 | YC120-4A-3 |





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