

SCM series super-micro mill(grinding mill)

Introduction to the SCM series super-micro mill

([grinding mill](#))

The [Grinding mill](#) features multi-function and can be used as crushing articles and can also be independently used as graded machine application. Besides , **The Grinding mill** can also be used seriesly to the graded machine and can achieve 1-3 particle size particles , which can form the closed or open work with other crushing equipemnt , thus realizing the one machine and multi-function .



Technical fearures of SCM series super-micro mill

([grinding mill](#))

1. The **grinding mill** machine, compared with the normal scope of a large milling machine.
2. The **grinding mill** machine milling machine other than the grinding roller pressure on the material under the effect of high pressure spring to provide 800 --- 1200Kg.
3. Energy saving, yield and fineness in the same case, its energy consumption is only one-third of ordinary [grinding mill](#).
4. With the same final products and fineness,the price is just the one eight of the traditional grinder .

Application of SCM series super-micro mill (grinding mill)

SCM series super-micro mill are mainly applied in the grinding and crushing of the traditional materials such as kaolin, limestone, calcite, talc, marble, barite, gypsum, iron oxide red, iron oxide green, aluminum hydroxide, pigment, bentonite, clay, carbon black, coal, activated carbon, etc. And the **grinding mill** can proceed the super thin powder manufacturing of the non-flammable and non-explosive materials with the Mohs hardness of less than 6 degree and moisture of less than 8%.

Working principle of SCM series super-micro mill(grinding mill)

The main motor drives the main axle and every layer to rotate by reducer. Dail drives numbers of rollers to roll and rotate in the ring by pintles. Big materials are crushed into smaller particles by hammer crusher. Then they are sent to store house by elevator. The electro-magnetic vibrating feeder send the materials evenly to the middle of the upper dial. Under the function of the eccentricity, the materials scatter to the side of the circle and fall into the ring and then they will be pressed, crushed and milled into pieces by rollers. After the first crush, materials fall into the second and the third layer. The pumping of the high-pressure centrifugal blower put the outside air into the machine. The coarse powder will be brought into the classifier. The rotating turbine in the collector makes the coarse particles fall back for regrinding.

The fine particles will come into the cyclone collector with the airflow and will be discharged by the discharging valve on the bottom of the collector. They are the final products. The airflow with little dust will be discharged through blower and muffler after being purified by the cyclone collector.

Main technical parmeters of SCM series super-micro mill (grinding mill)

Model	SCM6015	SCM8021	SCM10027
Roller number	15	21	27
Diameter (mm)	Φ600	Φ800	Φ1000
Ring number	2	2	2
Main unit speed(mm)	235	235	235

Max. feeding size(mm)	10	10	10
Final size (mesh)	325-2500	325-2500	325-2500
Capacity (kg/h)	350-2500	600-4000	900-6000
Overall dimension (m)	10×2×5.5	12.4×2.5×5.8	14.5×3.8×6.3

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