

Vertical roller mill



Application	Cement Plant, Clinker Grinding Unit, Thermal Power Plant, Steel Mill, Mining, Quicklime Plant
Capacity	50-720 t/h
Motor Power	1000-5000kw
Fineness	3300-4000cm ² /g

Introduction:

Vertical roller mill is mainly used for grinding raw meal, clinker, Ground Granulated Blast Furnace Slag, iron ore, limestone, coal powder, coke powder, coal gangue, fly ash, volcanic ash, gypsum, calcite, pyrophyllite, quartz, clay, sandstone, bauxite and other processing industry related to metal and non-metal mine.

The vertical roller mill has been widely used and promoted in the electric power, metallurgy, chemical industry, non-metal industry because the overall efficiency attributed to energy-saving and low consumption is becoming more and more evident in the cement industry.

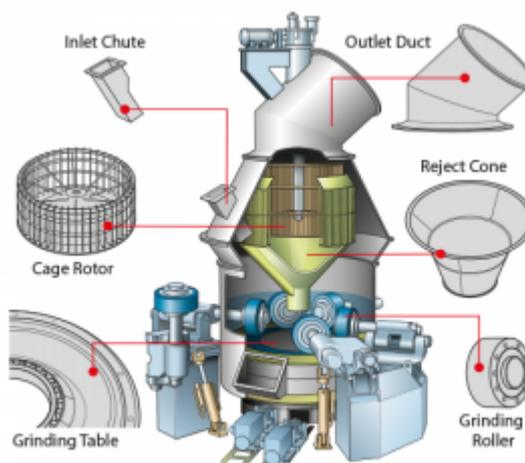
Applied material:

Barite, calcite, feldspar, talc, marble, limestone, dolomite, fluorite, ect.



Structure of vertical Roller mill

- 1) The combined classifier improves the powder selection efficiency.
- 2) It is not necessary to distribute material on the grinding plate before start-up. The roller can be lifted up and down automatically and start without load.



- 3) It is well sealed by welded arc plate and structure is simple and reliable
- 4) With the help of roller turning device, it is easily to turn the roller out for maintenance.
- 5) Both sides of roller sleeve can be used so that the service life of refractory material is extended.
- 6) Grinding roller limit device can ensure a certain space between roller and grinding table, which avoids the direct friction and collision between roller and grinding table and enhances safety
- 7) The grinding roller is driven by spinning grinding table. Pressure filling and adjustment and roller lifting can be remotely controlled without operator on-site.
- 8) The roller bearing is circularly lubricated by thin oil to enable it to work under low temperature and clean grease so that the service life is extended

Features

- 1) High grinding efficiency and lower energy consumption
- 2) Lower metal consumption per unit of product
- 3) Grinding on the material layer bed, minimal sound emission
- 4) Operation under negative pressure and minimal dust pollution
- 5) Simple process flow with the combination of grinding, drying and classifying in a single unit
- 6) Less land occupation, tight layout, light weight, lower civil works cost



Technical data

Model	Grinding Table Diameter (mm)	Roller Diameter (mm)	Roller Number (n)	Motor (kw)	Output (t/h)
GRMK30.31	3,000	1,600	3	1250	55~60
GRMK32.31	3,200	1,700	3	1600	65~80
GRMK35.41	3,500	1,800	4	1800	85~100
GRMK40.41	4,000	1,900	4	2500	115~125
GRMK43.41	4,300	2,120	4	3000	135~145
GRMK46.41	4,600	2,240	4	3350	150~160
GRMK48.41	4,800	2,240	4	3550	170~180
GRMK50.41	5,000	2,360	4	3900	190~200

GRMK53.41	5,300	2,500	4	4600	210~230
GRMK56.61	5,600	2,500	6	5300	235~250