

## Coal Vertical Roller Mill



**Application Industry:** Cement Plant, Steel Mill,  
Thermal Power Plant

**Output :** 5~70 t/h

**Blaine Fineness :** 80  $\mu$ mR 3%

**Power Consumption of System:** 18~22 kWh/t

### Introduction

Vertical coal mill is typically designed to process materials in medium hardness, like soft coal or bituminous coal, and it is mainly used in positive pressure pulverizing system of soft coal.

It is widely used in Cement Plant, Steel Mill, Thermal Power Plant ,electricity field, metallurgy sector, building material industry, chemical industry, etc. It is an ideal device that integrates crushing, drying, grinding, and grading conveying all together.



### Applied material

coal fluorite, barite, limestone, ceramic, slag, etc.



### Coal pulveriser design



In general, coal pulverisers are designed to achieve the maximum rated capacity grinding a design coal with a grindability of 55 HGI and 8-12 per cent moisture and achieving a discharge fineness of 70 per cent passing a 200 mesh screen (74 micron) and 99.5 per cent passing a 50 mesh screen. Variation of the coal hardness and/or moisture content will effect, up or

Skype: GreatWall1958

bsite: <http://www.greatwallcorporation.com>

down, the discharge capacity or the discharge fineness.

### Features

1. Environmental Friendly: With small vibration, low noise, and the overall sealing, the system works under negative pressure, so there is no dust going out. (It meets the requirements of the state environmental protection.)
2. High Drying Ability: As the hot air inside contacts directly with the material, drying ability is higher, and it saves energy. By regulating the air temperature, it can meet requirements with different humidity.
3. Simple and Reliable Operation: Firstly, it is equipped with automatic control systems, so remote control makes it easy to operate. Second, it is equipped with one device, which prevents the roller from contacting with the liner directly, and avoids the destructive impact and severe vibration.

### Specifications

Model	Grinding Diameter (mm)	Roller Diameter (mm)	Roller Number (n)	Motor (kW)	Output (t/h)
GRMC12.2 0	1200	900	2	110	5
GRMC16.2 0	1600	1000	2	250	12
GRMC18.2 0	1800	1120	2	330	18
GRMC20.3 0	2000	1250	3	430	20
GRMC22.3 0	2200	1400	3	590	30
GRMC23.3 0	2300	1450	3	640	35
GRMC26.3 0	2600	1600	3	810	44
GRMC28.3 0	2800	1750	3	1000	55
GRMC30.3	3000	1900	3	1250	65

0					
GRMC35.3 0	3500	1900	3	1400	70