

Process introduction

Rod mill has a wide application range, especially when grinding in some special conditions:

1. To avoid the damages caused by over-crushing, gravity separation plant or magnetic separation plant for tungsten-tin ore and other rare metal ore always uses rod mill.
2. In some cases, rod mill can perform crushing instead of short head cone crusher. When processing soft or low-hardness ore, rod mill can grind 19-25mm (even 30mm) ore into 6-10mm. It is more simple and more cost-saving than the closed combination of short head cone crusher and separator, and moreover it simplifies the dust removal in ore-breaking workshop. However, short head cone crusher combining closely with separator is more economical when processing hard ore.

Thus, when making a project scheme, ball mill and rod mill must be selected according to actual conditions.



Characteristics

CHAENG Rod mill can effectively control the inlet and outlet of materials, with advanced technology and obvious advantages:

1. Power saving

Saving over 40% of power than other equipment in the market.

2. uniform discharge size, high output

Adopt advanced controllable feed-discharge technology and use proper grinding medium according to actual grind materials. Instead of surface-contact mode of traditional ball mill, line-contact mode of rod mill makes finished size more uniform and decreases coarse particles and slime.

3. Adjustable discharging fineness, no over-grinding

The discharging fineness can be adjusted through simple adjustment. Inside the rod mill is installed a fineness control device, and discharging position has screening device. Those two kinds of devices can guarantee that over-grinding will not occur, and substandard product will not mix into finished product. Thus, finished product produced by rod mill is more uniform and over-grinding problem is less.

Specifications

Model (m)	Effective Volume (m ³)	Rotation Speed (r/min)	Power (kW)
Φ1.5×3	5	23	75
Φ3.1×3	8.8	19.4	220
Φ3.4×3	11.8	18.2	250
Φ2.7×3.6	18.8	17.5	400
Φ3.0×4	25.9	16.2	500
Φ3.2×4.5	33	15.5	630
Φ3.2×4.8	34	15.5	710
Φ3.4×5.8	49	14.65	900
Φ3.6×5.4	50	14.5	1000
Φ3.6×5.8	53.8	14.3	1120
Φ3.8×5.2	54.1	14.2	1120
Φ3.8×5.8	60.3	14.2	1250
Φ4.0×6	70	14	1400

About CHAENG

Many Chinese trade companies purchase rod mills from CHAENG, exporting overseas, such as Vietnam, India, Pakistan, South Africa, Brazil and so on.

Our long-term strategic partners: Arcelor Mittal, Tata Group, Pohang Iron and Steel Company, Germany CCE, Japan Chiba , Shanghai Baosteel , Voestalpine and ASGT.



Founded in 1958 and located in Xinxiang, Henan province, CHAENG with 60-year experience in equipment manufacturing covers an area of 330,000 m² and its annual production value is 1 billion yuan. The company specializes in manufacturing tube mills, rotary kilns, vertical mills and large steel casting and can undertake the EPC projects of cement production lines, active lime production lines, blast furnace slag/ steel slag/ nickel slag grinding plants, and its products are sold to more than 50 countries and regions in Southeast Asia, Central Asia, South Asia, North America, South America and Europe.

CHAENG
GREAT-WALL MACHINERY CORPORATION