

*Operating Instruction*

# CEMENT MILL



**Henan Hongxing Heavy Machinery Co., Ltd.**

## The Handling Materials and Application of Cement Mill:

Cement mill is the key equipment for grinding after the crush process, which is widely used in the manufacture industries, such as cement, silicate, new building material, refractory

material, fertilizer, ferrous metal, nonferrous metal and glass ceramics, and can be used for the dry and wet grinding for all kinds of ores and other grind-able materials.



## The Description of Cement Mill:

Cement mill is the key equipment for re-grinding the cement clinker after it is distributed by the system and primarily crushed.

Raw Material Mill is mainly used in the cement silicate product production industry.

## Characteristics:

Specification:  $\phi 1.83 \times 7 \sim \phi 4.6 \times 14 \text{m}$

Processing capacity: 6.5-135t/h

Applied material: coal, cement, stone, sand, clay and ore

Applied area: portland cement making industry.



## Working principle:

When the cylinder of the grinding mill rotates driven by the transmission gear, under the inertial centrifugal force, the grinding media will stick onto the lining board on the internal wall of the cylinder of the grinding mill and rotate together with the cylinder. The grinding media are brought to a certain height, and then fall down under the gravity, and during this

process, the grinding media will crush the materials inside the cylinder, and at the same time the grinding media repeatedly move up and down inside the rotating grinding mill and will have sliding and rolling movement, so that the grinding media, the lining board and the materials to be ground will grind with each other, so that the materials are crushed to a finer granularity.

## Technical data :

Product specification (m)	Milling form	Transmission form	Gear box		Motor power (kw)	Production capacity (t/h)	Total weight (t)
			Model	Speed reduction ratio			
$\phi 1.83 \times 7$	Open flow	Brim	ZD 60	4.5	245	6.5-8	43.8
$\phi 2.2 \times 7.5$	Circle flow	Brim	ZD 70	5	380	8-10	64.8
$\phi 2.2 \times 11$	Open flow	Central shaft	D110	35.5	630	12-13	104.6
$\phi 2.2 \times 13$	Open flow	Central shaft	D110	35.5	630	16-18	114
$\phi 2.4 \times 13$	Open flow	Central shaft	D110	35.5	800	20-23	130.6
$\phi 2.6 \times 13$	Open flow	Central shaft	MFY100	19.5	1000	28-32	158
$\phi 3 \times 9$	Circle flow	Brim	D125	41.2	1000	28-36.5	167
$\phi 3 \times 11$	Circle flow	Central shaft	D140	42.8	1250	36-47	180
$\phi 3.2 \times 13$	Open flow	Central shaft	D140	36.5	1600	45-50	225
$\phi 3.5 \times 13$	Circle flow	Brim	JDX1000	5.84	2000	60-65	275
$\phi 3.8 \times 13$	Open flow	Central shaft	MFY250	16.5	2500	60-62	320
$\phi 4.2 \times 13$	Open flow	Central shaft	JQS3550	15.6	3530	85-87	380
$\phi 4.6 \times 14$	Circle flow	Central shaft	JS1160-C	14.6	4200	120-135	485



# HXJQ<sup>®</sup>

China Largest Mining Machinery  
Manufacturer



- **Pre-sale services: enthusiasm**

We provide you with the prophase plan, process flow design and manufacturer equipment according to your special demand.

- **Sale services: servant**

Send technicians to the jobsite for guiding the installation and adjustment, training operators and finishing the check and accept together with you.

- **After-sale services: faithfulness**

To establish long term friendship, we will regularly pay return visit to customers. Supplying technique, building design, instruction , installation