**GREAT-WALL MACHINERY CORPORATION** 

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## 01 The process of industrial waste treatment is imperative

Recently China gives regulations and fine standards about industrial waste resource: 25RMB per ton for Smelting slag, 30RMB per ton for fly ash, 25RMB per ton for general slag, 5RMB per ton for Gangue waste (and so on) is one-off levied as waste discharging fee by state department, from 1st July, 2013. Therefore, the process of waste treatment, no matter steel slag, mineral slag, nickel slag, manganese slag or others, is gradually valued by more and more companies in this field.



Steel slag is the waste

steel capaci

residue in the process of steel making, including converter slag and electric furnace slag, approximately takes 15-20 percent of crude



HOME

Mineral Slag Mineral slag is the waste slag discharged from blast furnace during pig iron smelting. It could be concrete admixture after milling



iron alloy. The nickel iron alloy is the main raw material for stainless steel.

тоге



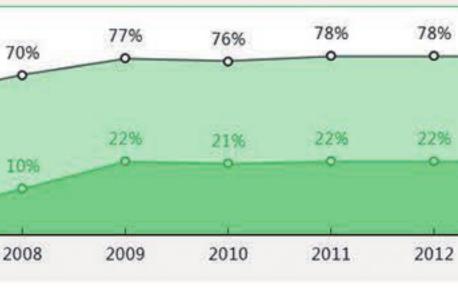
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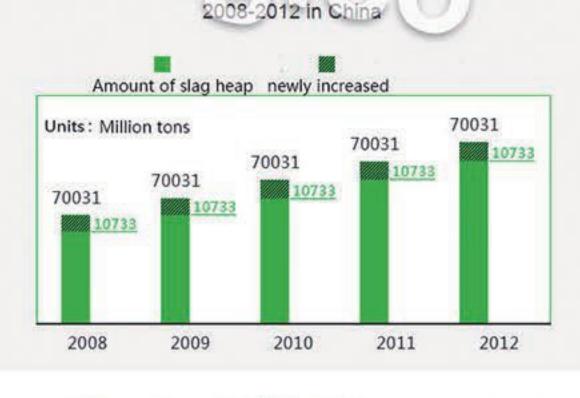
milling process.

○ Slag utilization ○ Steel slag utilization 78% 78% 77%

The Utilization chart of mineral and steel slag from 2008-

2012 in China





The stock piling chart of industrial waste from

companies in China, and also benefits millions of money for them. 02 Better ROl(return on Recover costs in 1-2 years

with all the slag mentioned above. It has been tested and verified by more than 60

The integrated vertical grinding system, pioneered by Great Wall Machinery, can deal

# Take the 600,000 tons per year mineral slag milling production line for example, the economic benefit analysis as follows:

Note: the following data refer to the relevant experimental data in the industry and customer feedbacks.

Term Option 1 Option 2 GRMS46 41 vertical mill @3x11mball mill/Circle flow) Mill type

CONTROL CONTRO		Φ3×11mbali mili(Circle flow)	
Capacity(T/H)	105	19	
Power consumption (Kwh/t)	37	75	
Specific surface area (m²/kg)	430	400	
Activity index	S95level	S75level	
Profit(CNY/T)	360	0	
Total investment(10 thousands)	5000 (Civil Engineering incl.)	2000	
Technological process	Easy	Complicated	
Construction period(Months)	5	8	
Milling consumption (g/t)	7	300	
Noise	Small	Big	
Earnings cycle	2Years	More than 3 Years	

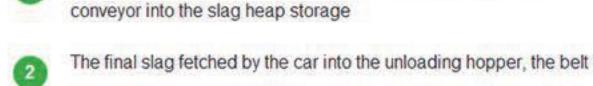
03 Mature clients'design:6 services in one vertical mill



# Perfect production process

04 The advantages of Great wall Machinery

### Mineral slag processing The slag by the car into the factory, the unloading hopper, the belt



Lower investment costs, intelligent control

The degree of fineness can be adjusted

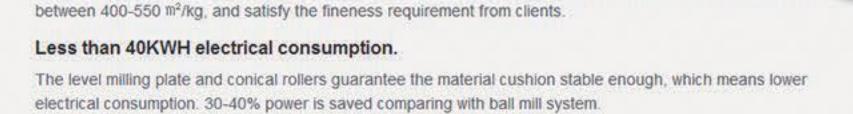
- conveyor into the slag heap storage after feeding calculation. After drying and grinding process, the slag powder collected by long bag
- The heat resource, during on milling and drying process, is provided by hot blast stove in front of the mill.

The split slag is fed to magnetic separator through belts, hoist.

pulse. Then, they will be transferred to stock through air slide and hoist.

Advanced grinding system

There is PLC/DCS intelligent control system on the mill, and can be easily remote control.



The advanced, high efficient and cage-style rotor separator ensures the specific-surface-area adjusting range

Gathering crushing, drying, grinding, selecting, transporting processes as one machine, the grinding system only takes 50% covered area compared with bail mill system. It is compacted layout and also can be installed out-doors.

and cylinder, which reduced the shut-down time. Original accessories All the roller, grinding plates, rockers and other spare parts are originally manufactured by Great Wall Machinery, which means the quality and timeliness is guaranteed. 360RMB per tone in mineral/metal recycling process.

There is no dust-leaking because of negative pressure state, which leads the clean working environment and meet national environmental protection requirements. Changing grinding plates and rollers only needs spinning rocker

harm for the milling system.

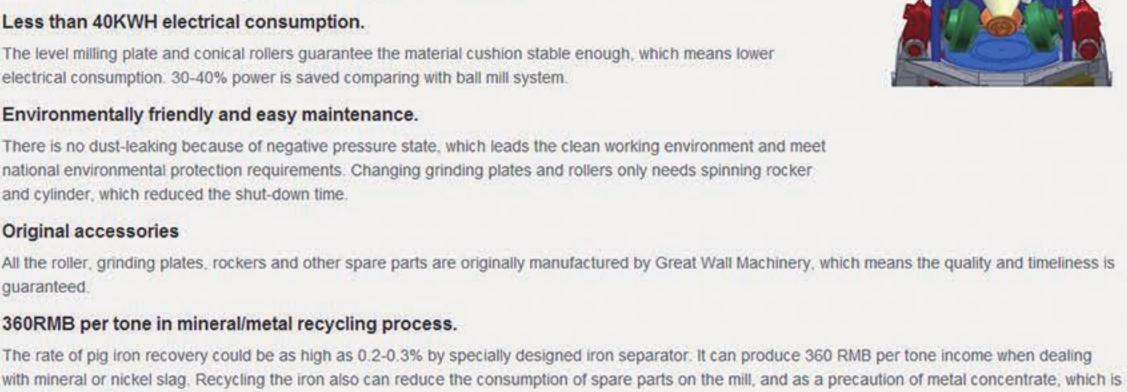
Environmentally friendly and easy maintenance.

05 Quality customers proje

production line EPC project. We provide the turnkey service to customers from the project early stage to final running. Within two years, more than 60

In order to satisfy customers' requirement of total purchase, Great Wall Machinery has integrated the supply chain resources, a

customers choose to cooperate with Great Wall Machinery to build slag powder production line.



Turn-key acceptance

Shaking

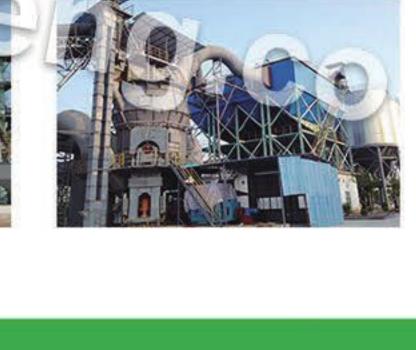
screen

lot-blast stove system

Ware housing system

Extrinsion cycle system





# Good technology company positively coopera

06 Great Wall strength



Model and specifications

precontract nvestigate

slag new type vertical roller mills. The customers all feedback good and have high credibility in our products.

diameter of

millstoneD (mm)

scientific research institutions, and develop the high quality, energy

saving, low carbon GRM series

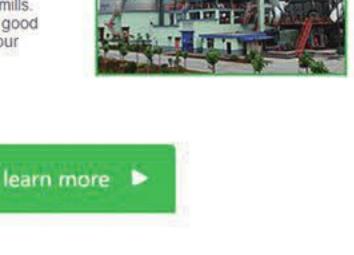
Widely customers

vertical roller mill customers,

Until now, we have more than 100

especially the slag/steel slag/nickel

vertical roller mill.



investment.

More>>

we have taken back the

Short delivery date

equipment, with the quality

Advantages of line

We have invested 50 million to

build a 600,000t/a slag powder

production line in 2010. This line is

the first production line invested by

equipment factory. Within 2 years,

As Great Wall has the machining and casting capacity for large

guarantee, the building period of

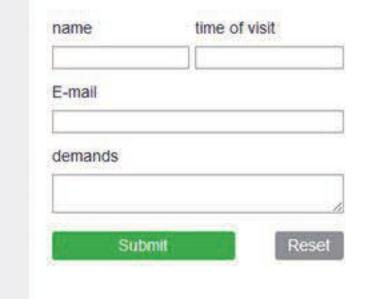
total vertical roller mill production

ine can be shorted to 8 months.

standard installed quantity of rollem standard abilityQ (t/h) powerP (kW) 30

GRMS26.21	2600	1600	2	1000	30
GRMS33.31	3300	1700	3	1600	45
GRMS35.41	3500	1800	4	1800	60
GRMS40.41	4000	1900	4	2240	70
GRMS43.41	4300	2120	4	2800	90
GRMS46,41	4600	2240	4	3150	90
GRMS48.41	4800	2240	4	3550	125
GRMS50.41	5000	2360	4	3800	140
GRMS53.41	5300	2500	4	4200	150
GRMS56 41	5600	2500	6	5000	160

More>>





**Turnkey project** 

median diameter of

rollerd (mm)

More videos

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