

A large industrial machine, possibly a roller or mill, is shown in a factory setting. Two workers in orange safety gear are standing near the machine. The machine has a large, cylindrical component with a spiral pattern. The background shows other industrial equipment and a concrete floor with yellow safety lines. A large red diagonal stripe runs across the image from the top left to the bottom right.

Sinoma-Liyang Heavy Machinery Co., Ltd

Product introduction

Nationally Made, Globally Equipped

Company Profile

Sinoma-Liyang Heavy Machinery Co., Ltd. (“Sinoma-Liyang”), invested with CNY1.5 billion and founded in Liyang Jiangsu in 2007, is an international engineering service provider integrated with development, design, manufacturing, supply of complete systems and projects as well as technical consultant services. The main products covering multiple fields including cement, steel, metallurgy, mining, power, coal, chemistry and environment protection industries.



Factory photos



Manufacturing Capacity

Our company covers an area of 36 hectares with built area of 104000m², with annual manufacturing capacity of 69,300 tons of products (totally in weight).

Machining Equipment



Machining Equipment

The Company is equipped with 80 medium and large equipment including 8m CNC vertical lathes, TJK6920 CNC boring & milling lathes, GMC4×16 CNC boring & milling lathes and lathes for manufacturing 6.5×20 shells.

Machining Equipment



Technical Qualification

High-Tech Products Qualification Certificate



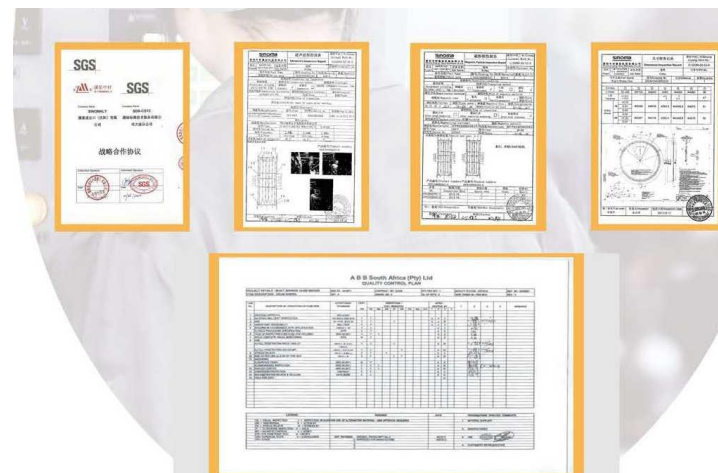
Patent Certificate of Utility Model Products



Technical Qualification

Our company has passed the certification of ISO 9001 quality management system, ISO14001 environment management system, GB/T28001 occupational health & safety management system, and ISO10012 measurement management system and has passed the CE certification. Additionally, our qualification for the installation of electromechanical equipment enables us to provide all-round engineering services pertaining to installation, modification and maintenance for projects both home and abroad.

In addition to the strict implementation of the certified ISO9001 quality management system and the related quality standard requirements, self-inspections, professional inspections and third-party inspections are conducted in the Company to make sure compliance to the quality standard for all the products before dispatching from workshops. Based on the management of job skills at key working positions, 4M management for change approval process and the application of the national standard production line management system, we record the manufacturing data and product status at each processing step in a real-time mode, realizing the traceability of product quality, which significantly contributes to the excellent quality of products.



Main Business

#01

Cement

#02

Mining

#03

Bulk Material

#04

Pelletizing &
Metallurgy

#05

Environment
Protection



#01

Cement

Cement Production Line

Our company can undertake the turnkey project of cement production line, including engineering, civil construction, equipment supply, installation and commissioning, after-sale technical service, etc.

Representative projects such as:

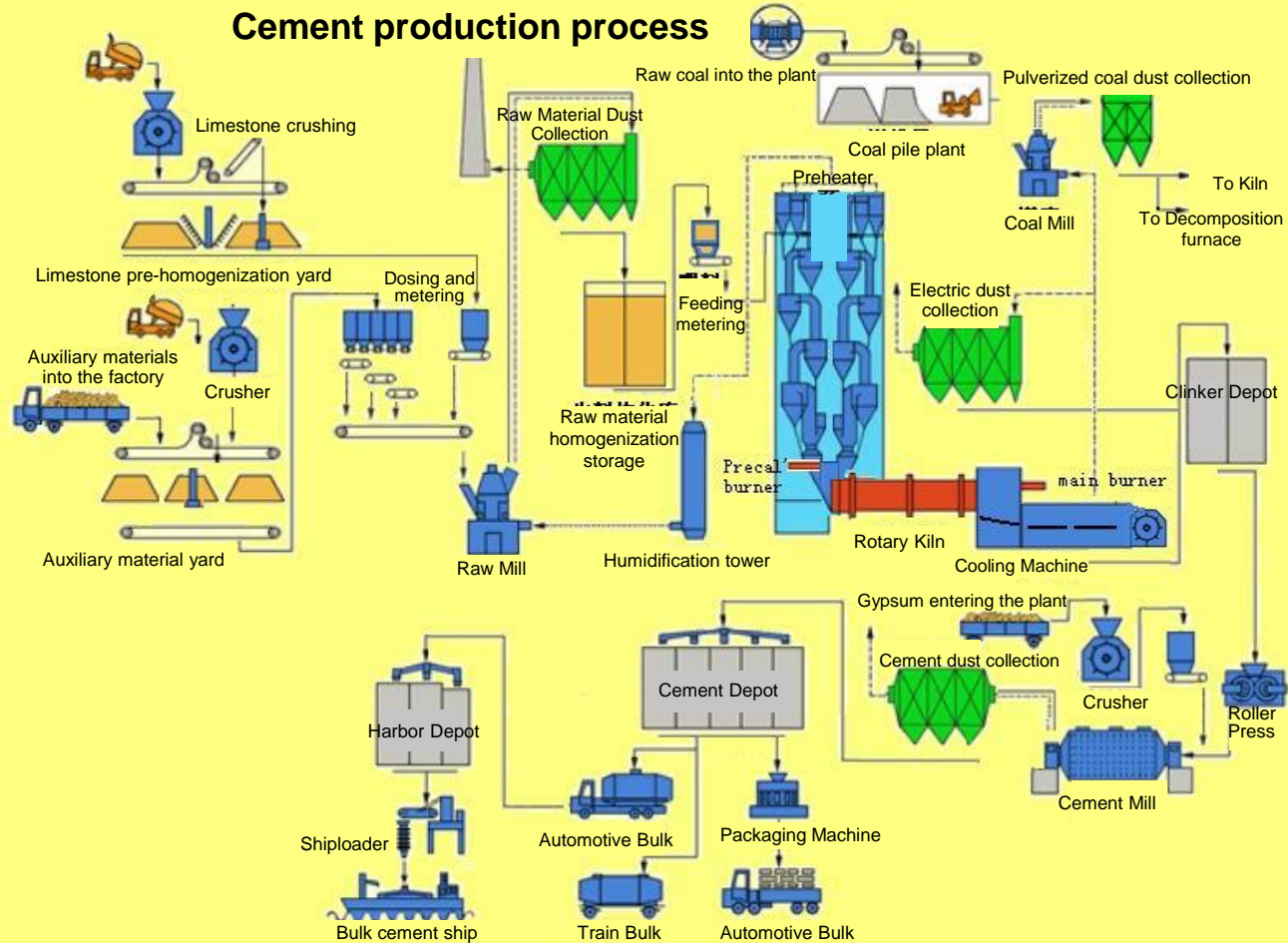
- ◆ 6000T/D Cement Production Line Project;
- ◆ 5000T/D Cement Production Line Project;
- ◆ 3000T/D Cement Production Line Project;
- ◆ 2500T/D Cement Production Line Project;
- ◆ 1500T/D Cement Production Line Project.

Clinker Production Line



Technological process

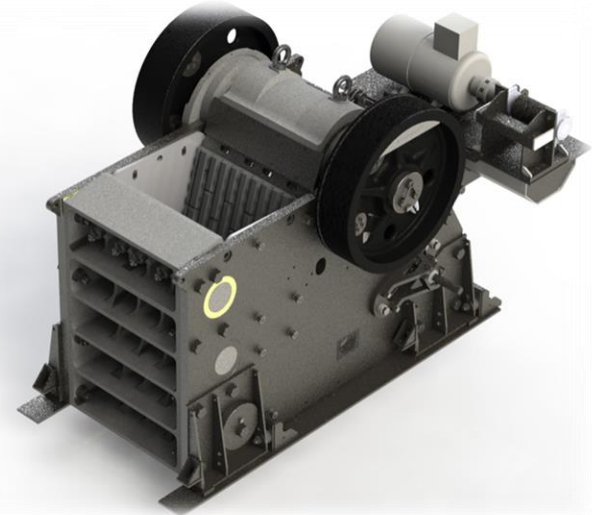
The main processes of cement production line include: crushing and pre-homogenization, raw material preparation and homogenization, preheating and decomposition, clinker sintering, cement grinding, cement storage and transportation, cement packaging, etc.



Jaw Crusher

Brief Introduction :

Jaw crusher is suitable for crushing various materials with compressive strength not exceeding 320MPa. It has the features of large crushing ratio, uniform product size, simple structure, reliable work, easy maintenance and economic operation cost. It is widely used in the fields of mining, metallurgy, building materials, highway, railroad, water conservancy and chemical industry. We can design and manufacture various specifications of jaw crushers with a capacity of up to 1,500t/h.

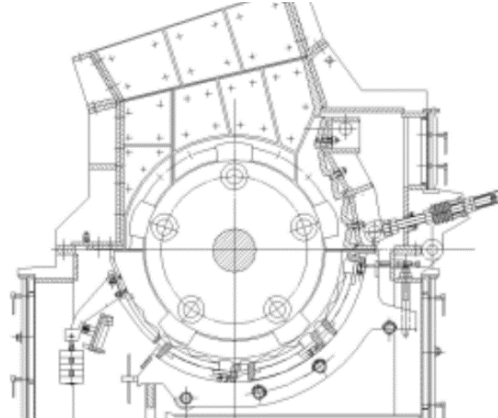
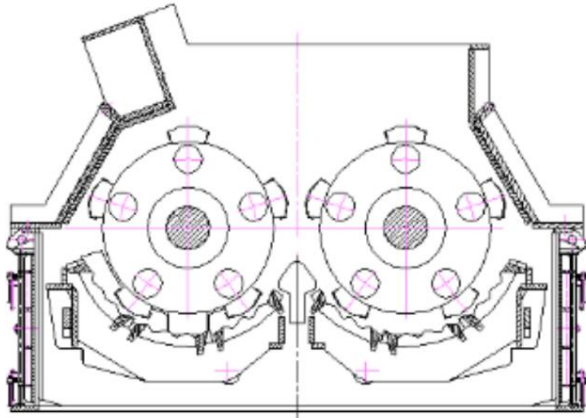


Model	Feed inlet width (mm)	Feed inlet depth (mm)	Discharge outlet dimension (mm)	Max. Feeding dimension (mm)	Rotary speed (r/m)	Installed power (kW)
LC96	930	580	60-75	460	330	90
LC106	1060	700	70-200	560	280	110
LC120	1200	870	70-175	700	230	160
LC140	1400	1070	125-250	860	220	200
LC160	1600	1200	150-300	960	220	250
LC200	2000	1500	175-300	1200	200	400

Hammer Crusher

Brief Introduction :

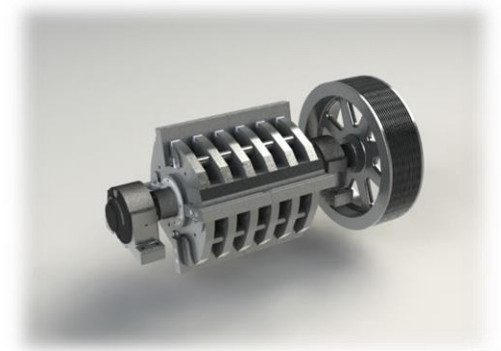
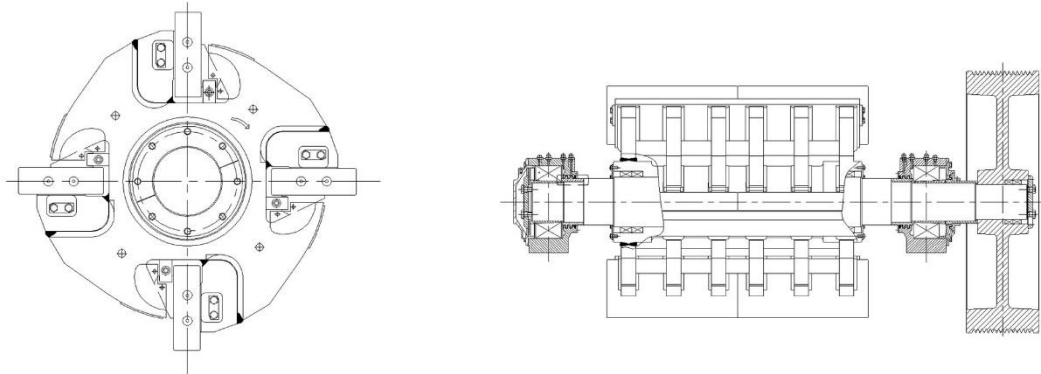
The hammer crusher is mainly used to crush materials with compression strength less than 200MPa, such as limestone, gypsum, coal, marl and sandy shale in the cement industry. The hammer crusher can crush the raw ore into small particles of 25mm at one time, which simplifies the process compared with traditional multi-stage crushing, thus saving the investment cost of customers.



Impact Crusher

Brief Introduction :

Impact crusher is suitable for crushing high strength and highly abrasive materials, such as siltstone, siliceous slate and other ores. Its advantages are large crushing ratio, high utilization rate of wearing parts, long service life, simplified production system, high output, saving construction investment, etc. We can design and manufacture various sizes of impact crushers with output up to 3,000t/h.



Clinker Roll Crusher

Brief Introduction :

The clinker roller crusher is generally arranged at the end of the grate cooler and is commonly used to crush cement clinker and other sintered materials. It can also be arranged in the middle of the grate cooler to crush clinker in the higher temperature zone, which can significantly improve the heat recovery efficiency and clinker quality. According to the actual output & width of different projects, we can flexibly equip the clinker roll crusher with the same specification width in the form of three rolls, four rolls, six rolls, seven rolls, etc. to meet the output requirements.



Wobbler Feeder

Brief Introduction :

Wobbler feeders, a kind of integrated equipment with both feeding and sizing function, are specially designed for continuous feeding to heavy duty crushers. The equipment provides two functions in one unit, requiring less space and saving cost.

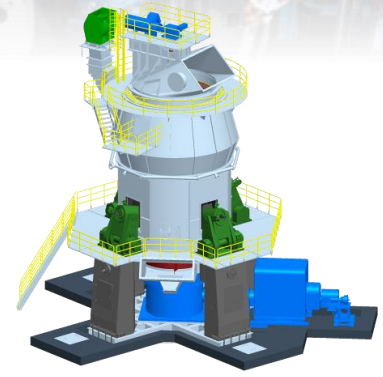


Model	Maximum feed size(mm)	Discharge size (mm) (10% of the remaining sieve)	Effective width of the trough(mm)	Length of the trough(mm)	Production capacity(t/h)
NWG1238	600	50-80	1236	3650	150-350
NWG1252	600	50-80	1236	5160	150-350
NWG1538	800	50-80	1526	3650	350-450
NWG1552	800	50-80	1236	5160	150-350
NWG1582	1000	50-80	1826	5160	500-900
NWG2424	1250	50-80	2400	2400	1000-1400

Vertical Roller Mill

Brief Introduction :

We can design and manufacture vertical roller mills of diversified specifications and models for raw meal, cement, and slag grinding systems in cement clinker production lines with capacity up to 10,000t/d. To continuously meet the needs of grinding various materials, we have developed a variety of VRMs for handling materials such as manganese ore, bauxite, heavy calcium carbonate, lead-zinc tailings, iron tailings and tungsten tailings. Our VRMs have the advantages of strong drying ability, easy operation, convenient and quick maintenance, long service life of wearing parts, small vibration, stable performance, high output, and low construction investment.



Vertical Roller Mill

Model	Main Motor Power(KW)	Capacity(t/h)	Plant Scale(t/d)
LRM36.4	1600~1800	180~200	2200
LRM38.4	1800~2000	210~230	2500
LRM40.4	2240~2500	250~280	3200
LRM41.4	2500~2600	280~300	3200
LRM43.4	2800~3000	320~360	4500
LRM46.4	3150~3350	350~380	4500
LRM50.4	3800~4000	400~420	4500
LRM53.4	3800~4200	420~450	5000
LRM56.4	4000~4500	450~500	6000
LRM60.4	4800~5000	530~550	7200
LRM60.6	4800~5100	540~560	7500

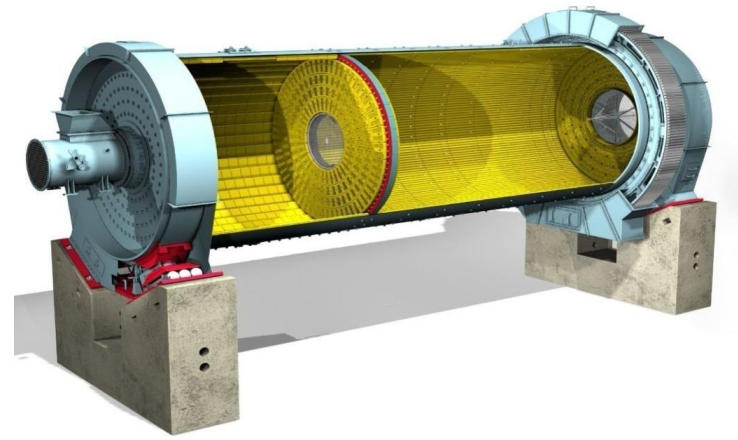
Cement Mill

Brief Introduction :

Cement mill is the key equipment in cement production process. A certain number of steel balls are loaded into the cylinder as grinding medium to dry or wet grind cement and other grindable materials.

Sinoma-Liyang has rich experience in manufacturing cement mills, complete specifications of cement mills and successful application achievements in dozens of countries.

The diameter of Sinoma-Liyang cement mill ranges from 2.6m to 4.8m, and the maximum power is up to 4200kW. Our product R & D team is constantly improving the design of cement mill and optimizing the scheme according to the specific needs of customers, so as to provide more reliable, safe and efficient equipment.



Cement Mill

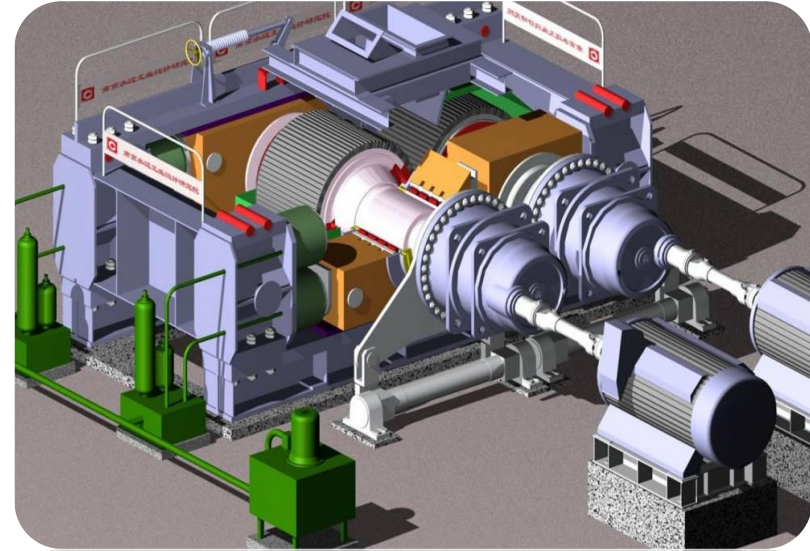
Size($\Phi \times L$)	RPM(r/min)	Material Feed Size(mm)	Capacity(T/hr)	Ball Load(T)	Motor Power(kW)
$\Phi 2.6 \times 10$	20.8	≤ 25	21-24	64	800
$\Phi 2.6 \times 13$	20.8	≤ 25	28-31	81	1000
$\Phi 3 \times 9$	19.13	≤ 25	40-45	85	1000
$\Phi 3 \times 11$	18.92	≤ 25	44-47	95	1250
$\Phi 3 \times 12$	18.92	≤ 25	48-52	103	1250
$\Phi 3 \times 13$	18.92	≤ 25	48-52	116	1400
$\Phi 3.2 \times 11$	18.3	≤ 25	45-48	112	1400
$\Phi 3.2 \times 13$	18.7	≤ 25	50-55	133	1600
$\Phi 3.4 \times 11$	18	≤ 25	45-55	120	1600
$\Phi 3.5 \times 13$	17	≤ 25	60-65	156	2000
$\Phi 3.8 \times 13$	17	≤ 25	60-70	190	2500
$\Phi 4 \times 13$	16.3	≤ 25	70-80	191	2800
$\Phi 4.2 \times 11$	15.8	≤ 25	100-110	190	2800
$\Phi 4.2 \times 13$	15.8	≤ 25	120-130	240	3350
$\Phi 4.6 \times 14$	15	≤ 25	100-115	285	4200

Roller Press

Brief Introduction :

The roller presses manufactured by SINOMALY are used for cement grinding. Compared to the pre-grinding systems including ball mills with high energy consumption and low efficiency, these cement mill roller presses consume less energy and produce lower noise. This roller press can improve the grinding capacity by 50-100% compared to ball mill systems and reduce the power consumption of the grinding system by 30-40%, and 20-30% that of finished cement. The squeezed materials is easy to grind and 0.08mm fine material accounts for 30-30% and material smaller than 20 mm accounts for 65-85%.

This cement mill roller press can be used for the grinding of raw materials, clinker, slag and steel slag in cement production lines, as well as industries like mining, steel, chemical, electricity, metallurgy, etc.



Roller Press

Model	Capacity(t/h)	Installed Power(kw)	Roller Linear Speed(m/s)
LRP120-45	140~190	2×250	1.2~1.44
LRP120-80	250~340	2×500	1.2~1.44
LRP140-65	200~300	2×560	1.43~1.65
LRP140-80	340~400	2×560	1.43~1.65
LRP140-100	400~500	2×630	1.43~1.65
LRP140-110	500~550	2×710	1.43~1.65
LRP140-120	500~600	2×800	1.43~1.65
LRP140-140	520~680	2×900	1.43~1.65
LRP160-100	500~650	2×900	1.52~1.76
LRP160-140	650~765	2×1120	1.56~1.8
LRP160-150	650~850	2×1120	1.56~1.8
LRP180-120	800~850	2×1250	1.6~1.83
LRP180-140	850~1000	2×1400	1.56~1.88
LRP180-160	950~1130	2×1600	1.57~1.83
LRP180-170	1000~1200	2×1800	1.57~1.83
LRP200-120	850~1000	2×1400	1.59~2.0
LRP200-160	1200~1300	2×2000	1.78
LRP220-160	1300~1400	2×2240	2.1

Other Related Products



Belt Conveyor



Stacker & Reclaimer



Apron Feeder



Rotary Kiln

Main References



4x6,000t/f Cement Production Line for Dangote Group in Nigeria



Uzbekistan RASK-MILK Company 2,500t/d Cement Production Line Project



5,000t/d Cement Production Line for Than Taw Myat in Myanmar



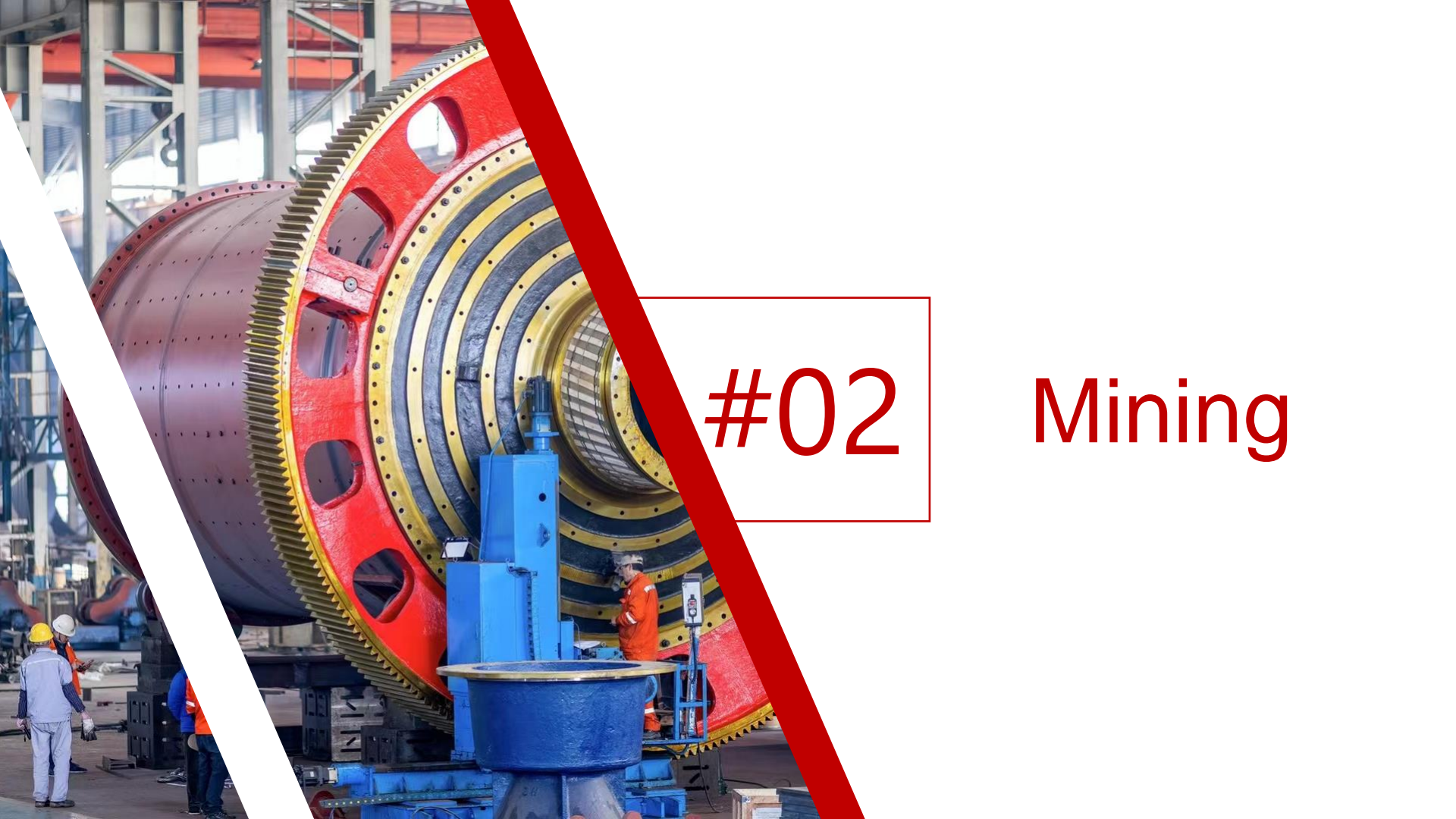
SPCC3x5,000t/d Cement Production Line in Saudi Arabia

Main References

Bayah 10,000t/d Cement Production Line in Indonesia



CCC2x10,000t/d Cement Production Line
in Saudi Arabia

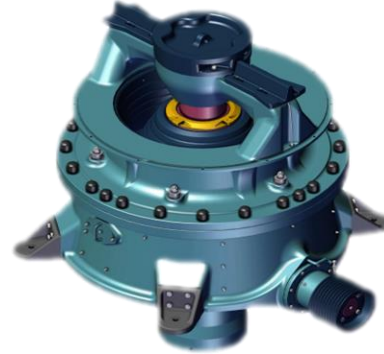


#02

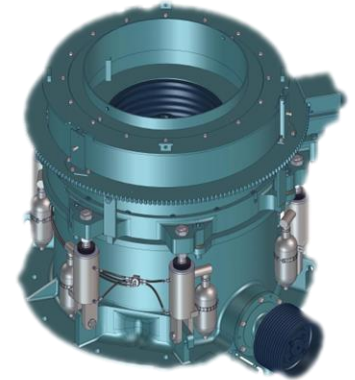
Mining

Cone Crusher

- The cone crusher is widely used in mining, smelting, building materials, highway, railroad, water conservancy, chemical and other industries.
- The cone crusher is the main equipment for medium and fine crushing of various ores or rocks with different hardness conditions.
- It is characterized by advanced structure, stable operation, high production efficiency, easy adjustment and good uniformity of product particle size.
- At present, we can design and manufacture cone crushers with capacity range from 10tph to 800tph.



Single-Cylinder
Cone Crusher



Multi-Cylinder
Cone Crusher

Cone Crusher

Model and Capacity

Discharging Outlet (mm)

Model	10	13	16	19	22	25	32	38	45	51
HYP200	90-120	120-150	140-180	150-190	160-200	170-220	190-235	210-250		
HYP300	115-140	150-185	180-220	200-240	220-260	230-280	250-320	300-380	350-440	
HYP400	140-175	185-230	225-280	255-320	275-345	295-370	325-430	360-490	410-560	465-630
HYP500	175-220	230-290	280-350	320-400	345-430	365-455	405-535	445-605	510-700	580-790
HYP800	260-335	325-425	385-500	435-545	470-600	495-730	545-800	600-950	600-1050	785-1200

Model	29	32	35	38	41	44	48	51	54	60	64	70	76	83
SYP400C	281	292-445	304-523	320-551	332-571	344-563	355-601	367-524	389-456					
SYP660C			335	331-464	345-602	359-626	378-658	392-683	406-707	420-755	452-746	480-792	508-756	540

Model	8	10	13	16	19	22	25	32	38	44	51	57	64	70
SYP440	90-135	96-176	104-227	112-298	120-278	129-318	137-339	156-378	180-395	197-384				
SYP660	110-116	116-220	184-304	198-375	190-440	203-488	216-519	224-592	248-654	298-662	328-519			
SYP860				289-475	310-548	331-653	352-749	401-836	444-933	486-1022	536-1126			
SYP870		290-505	304-595	328-694	352-740	375-806	405-893	455-1018	503-1125	511-1232	572-1357	686-1464	710-1512	705-1331

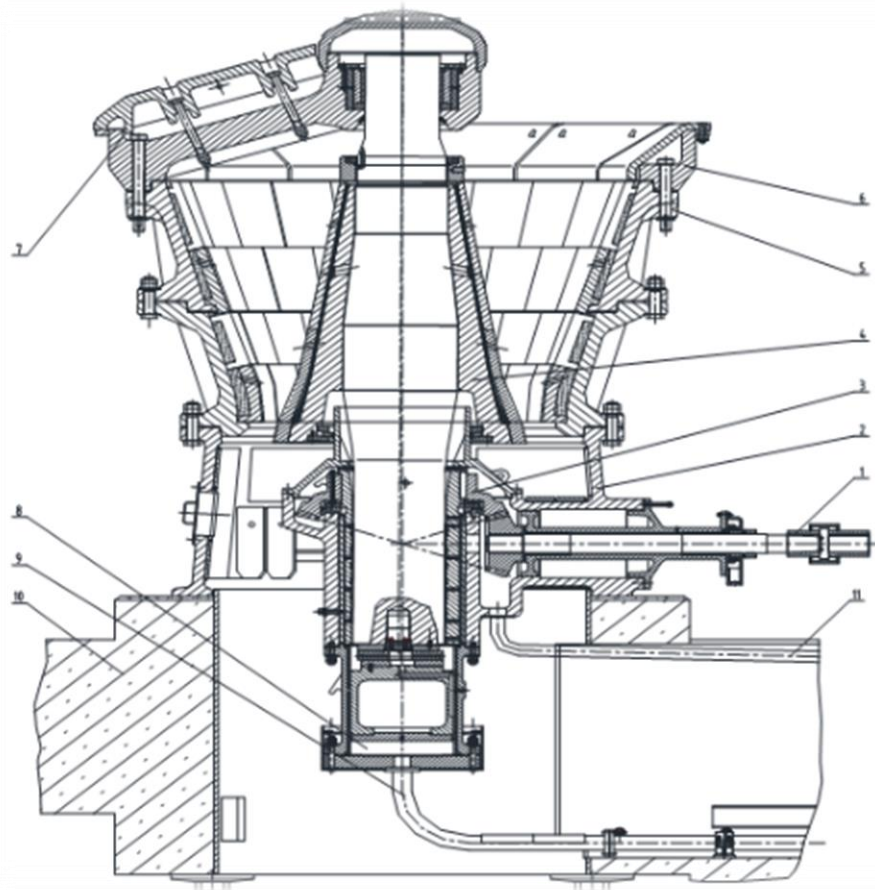
Gyratory Crusher

Brief Introduction:

Gyratory crusher is widely used in mining, metallurgy, chemical industry, building materials, water conservancy and other industries. It is one of the main equipment for crushing coarse ores or rocks. It has the characteristics of large crushing ratio, high production capacity and uniform product size. Our gyratory crusher has complete specifications and the maximum output can reach 5000t/h. It has the advantages of advanced structure, reliable performance, stable operation and low energy consumption.



Gyratory Crusher



部件组成：

- 1、传动部
- 2、机座部
- 3、偏心套部
- 4、破碎圆锥部
- 5、中架体部
- 6、横梁部
- 7、干油润滑部
- 8、油缸部
- 9、液压部
- 10、基础部
- 11、稀油润滑部

Components:

1. Transmission Unit
2. Frame Base Unit
3. Eccentric Bushing Unit
4. Crushing Cone Unit
5. Middle Frame Unit
6. Cross Beam Unit
7. Grease Lubrication Unit
8. Cylinder Unit
9. Hydraulic Unit
10. Basement Unit
11. Oil Lubrication Unit

Gyratory Crusher

Model	Inlet (mm)	Max Limit	Pinion Speed	Installed Power (kW)
LZ4265	1066	5250	600	450
LZ5065	1270	6375	600	450
LZ5475	1370	7500	600	600
LZ6275	1575	8750	600	600
LZ6089	1525	12500	600	750
LZ60110	1525	17000	600	1500

Capacity of the Crusher

Outlet (mm)

Model	140	150	165	175	190	200	215	230	240	250
LZ4256	2010	2335	2515	2870						
LZ5065		2395	2780	2935						
LZ5475		2885	2985	3145	3335	3485				
LZ6275		2890	3615	3815	4205	4330				
LZ6089			4195	4540	5080	5530	5805			
LZ60110				5535	6945	7335	7570	8280	8595	8890

Ball Mill

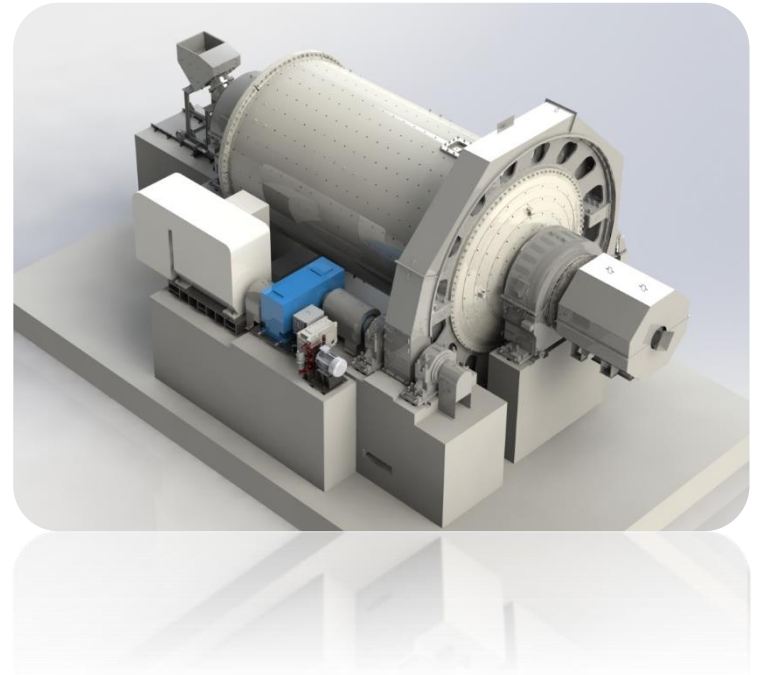
Brief Introduction :

- Ball mill is the key equipment for grinding after material crushing. The mill shell is filled with a certain number of steel balls as the grinding medium to dry or wet grind various ores and other grindable materials. It can be divided into dry grinding process and wet grinding process. According to the different ways of discharging, it can be divided into grate type and overflow type.
- Sinoma-Liyang has rich experience in manufacturing ball mills. The ball mill products have complete specifications and is widely used, which can well meet various needs.
- Sinoma-Liyang's ball mill products range from 1.5m to 6.7m in diameter and up to 10,000kW. Our design team has been continuously improving the design and optimizing the solutions according to the needs of customers, in order to provide more reliable, safe and efficient equipment.



Ball Mill

Type	Diameter	Effective Length	Installed Power
Overflow Type Ball Mill	1.2m-6.7m	1.8m-12.0m	50kW-10000kW
Grate Type Ball Mill	1.5m-5.5m	1.8m-9.2m	60kW-5800kW



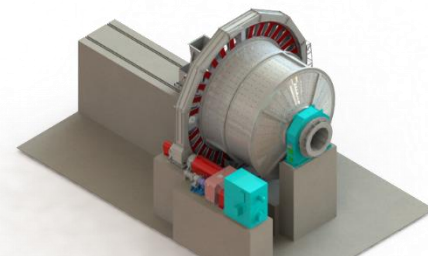
Semi-autogenous mill

Brief Introduction :

- The semi-autogenous mill, usually called SAG mill, is a common equipment in modern mineral processing plants, which can replace part of the crushing and screening operations while grinding, further to simplify the process, reduce investment and maintenance costs, save energy and increase production.
- The grinding medium (steel balls) of the SAG mill is 6-15%.
- The SAG mill is ideal for processing raw ore or products discharged from coarse crusher. It has the advantages of high crushing ratio, good reliability and large processing capacity.



Type	Diameter	Effective Length	Installed Power
SAG Mill	4.0m-10.37m	1.4m-6.0m	355kW-12000kW



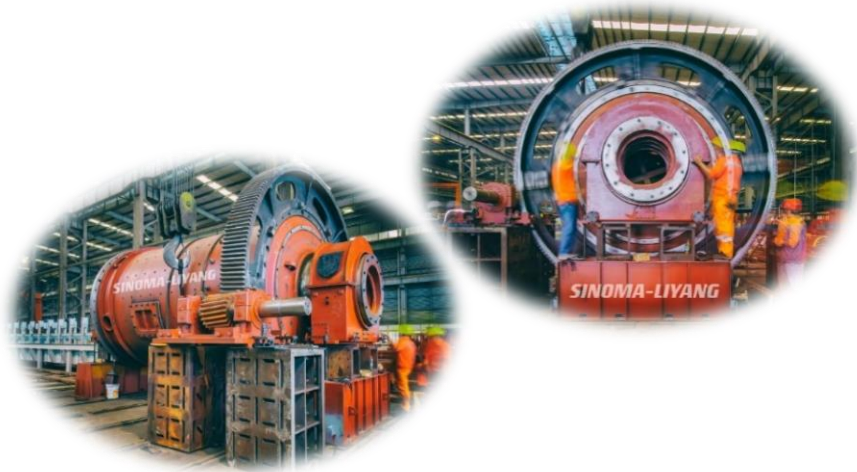
Rod Mill

Brief Introduction :

- Rod mill is used for coarse grinding operation, through the steel rods in the mill shell are used as grinding medium to dry or wet grind ore or other grindable materials. According to the different ways of material conveying, it can be divided into dry type and wet type. According to the different ways of discharging modes, it can be divided into overflow type and peripheral discharging type.
- Rod mill allows larger feeding size and more uniform discharging size, which can effectively reduce over-grinding. It has the advantages of high crushing ratio, good reliability and large processing capacity.



Type	Diameter	Effective Length	Installed Power
Rod Mill	2.1m-4.5m	3.0m-6.4m	220kW-2200kW



Spiral Vertical Mill(Tower Mill)

Brief Introduction:

- Spiral vertical mill, commonly known as Tower Mill as well, is an important equipment for fine grinding and ultra-fine grinding process. It has the advantages of energy saving and environmental protection, fine product size and low total investment cost etc. The maximum feeding particle size can be up to 6mm and the minimum discharging particle size can reach 15 μ m.
- The difference in operating principle makes the spiral vertical mill become a world-recognized low-cost grinding technology that consumes 25-50% less energy than ball mills.
- It is widely used in the fields of second-stage grinding, regrinding, fine grinding and limestone slaking.
- Our carefully designed spiral vertical mill products have the characteristics of quick installation, small floor space, low operating costs, low maintenance requirements and high automation.



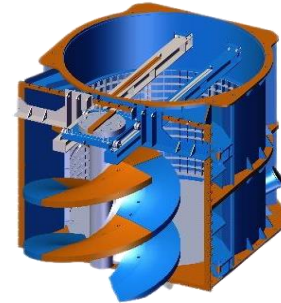
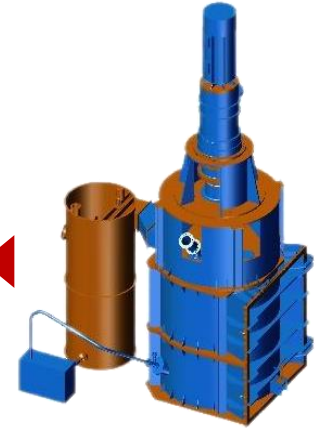
Spiral Vertical Mill(Tower Mill)

Model	Installed Power	Capacity
LXM220	220kW	8-19
LXM355	355kW	13-33
LXM560	560kW	19-47
LXM630	630kW	21-53
LXM750	750kW	29-71
LXM1120	1120kW	46-113
LXM3000	3000kW	115-283



LXM1120 Spiral vertical mill

LXM1120 Spiral vertical mill with grading system



LXM1120 Spiral installation diagram

Apron Feeder

➤ Brief Introduction

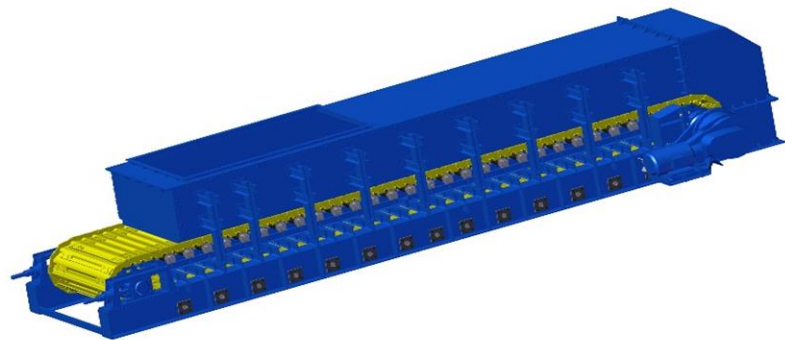
Apron feeders are used to convey various of large or loose materials from silos to crushers, conveyors or other equipment.

➤ Product Feature

Good performance of speed adjustment, no leakage during conveying, strong adaptability, wear resistance and long service life.

➤ Product Model

Covering light, medium and heavy apron feeder, with range of width 500~3400mm, and capacity 10~5000t/h, maximum inclination angle 25°





#03 Bulk Material

Portal Scraper Reclaimer

Brief Introduction :

This type of reclaimer is mostly used for reclaiming iron slag, raw coal and other auxiliary bulk materials. It realizes the unmanned operation of the whole machine and the integration of mechanical machine, electricity and hydraulic unit. It has the characteristics of good homogenization effect, large storage capacity of material field, small footprint and high degree of automation.

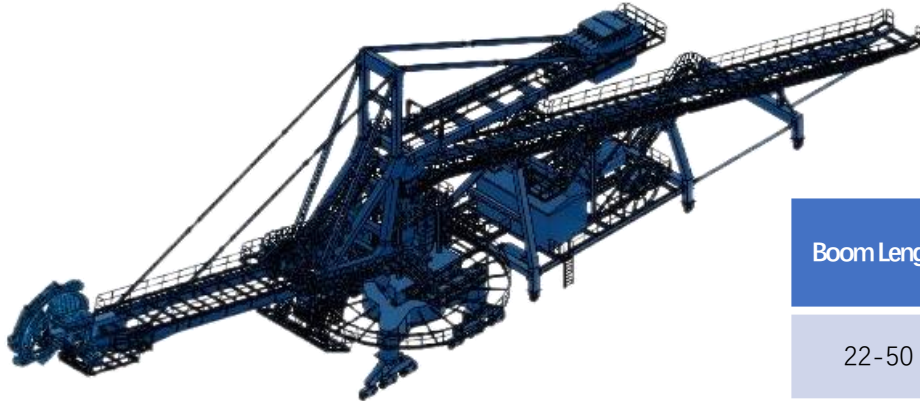


Item	Track span	Density	Particle size	Moisture	Reclaiming capacity	Type
Portal Scraper Reclaimer	18-46	0.9-3.0	< 300	< 2%	100-1600	半门式/门式 Semi-Portal /Portal

Boom Bucket Wheel Stacker & Reclaimers

Brief Introduction :

Boom type bucket wheel stacker & reclaimer is suitable for long stockyard. It is a kind of large loading and unloading equipment for bulk materials with high efficiency and continuous operation. It is mainly used in coal and ore yards of electric power, metallurgy, coal, building materials, chemical industry and so on. It has the features of large turning radius, high production efficiency, low energy consumption and environmental protection.

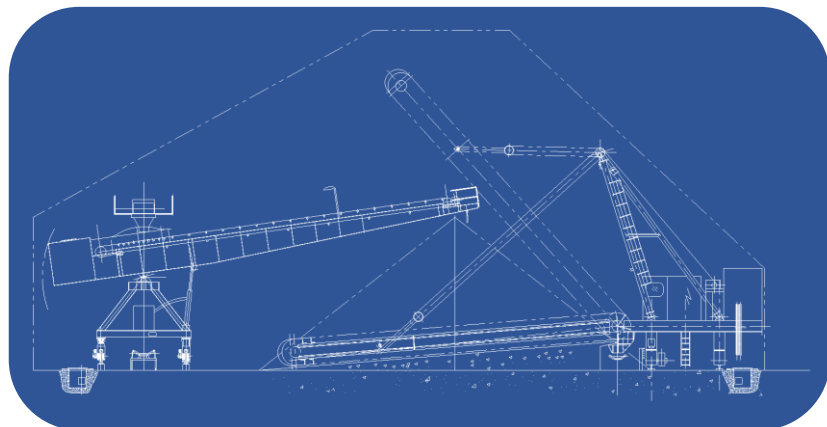


Boom Length	Density	Particle size	Moisture	Stacking capacity	Reclaiming capacity
22-50	0.8-2.6	< 100	< 8%	200-5000	200-5000

Side Cantilever Stacker/Side Scraper Reclaimer

Brief Introduction :

This type of stacker & reclaimer is mostly used for stacking and reclaiming sandstone, raw coal and other auxiliary bulk materials. It realizes the unmanned operation of the whole machine and the integration of mechanical machine, electricity and hydraulic unit.

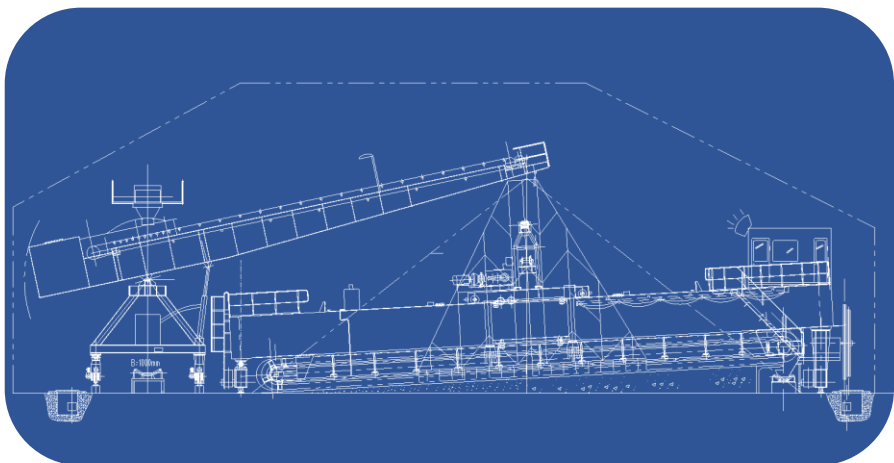


Equipment Type	Trackspan (m)	Density	Particle Size (mm)	Moisture	Stacking Capacity (t/h)	Reclaiming Capacity (t/h)
Side Cantilever Stacker	3.2-8	0.9-2.5	< 100	< 2%	100-5000	
Side Scraper Reclaimer	4-6	0.9-2.5	< 100	< 2%		100-600

Side Cantilever Stacker/Bridge Scraper Reclaimer

Brief Introduction:

This type of stacker & reclaimer is mostly used for stacking and reclaiming limestone, raw coal and other auxiliary bulk materials. It realizes the unmanned operation of the whole machine and the integration of mechanical machine, electricity and hydraulic unit.

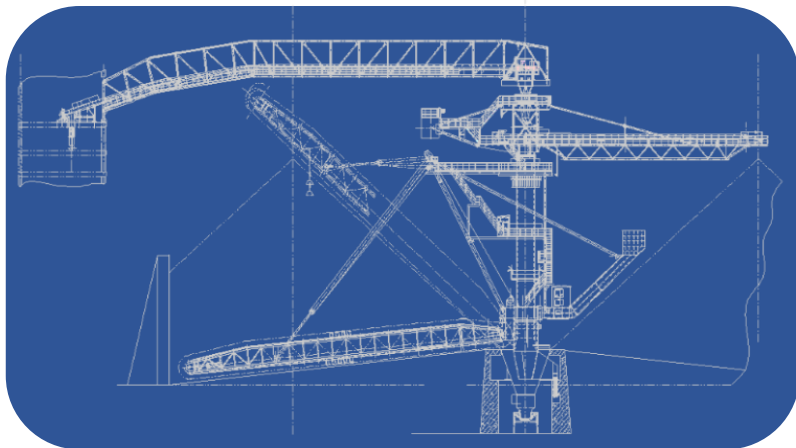


Item	Track Span (m)	Density	Particle Size (mm)	Moisture	Stacking Capacity (t/h)	Reclaiming Capacity (t/h)
Side Cantilever Stacker	3.2-8	0.9-2.5	< 100	< 2%	100-5000	
Bridge Scraper Reclaimer	16-46	0.9-1.45	< 100	< 2%		100-2000

Overpile Stacker & Reclaimer

Brief Introduction :

The overpile stacker & reclaimer for circular stockyard is a new type of indoor storage equipment developed on the basis of the current increasing environmental protection requirements and the requirement of saving floor area. This product is arranged in a closed building, solving the problem of material loss and scattering affected by wind and rain in the process of stacking & reclaiming.

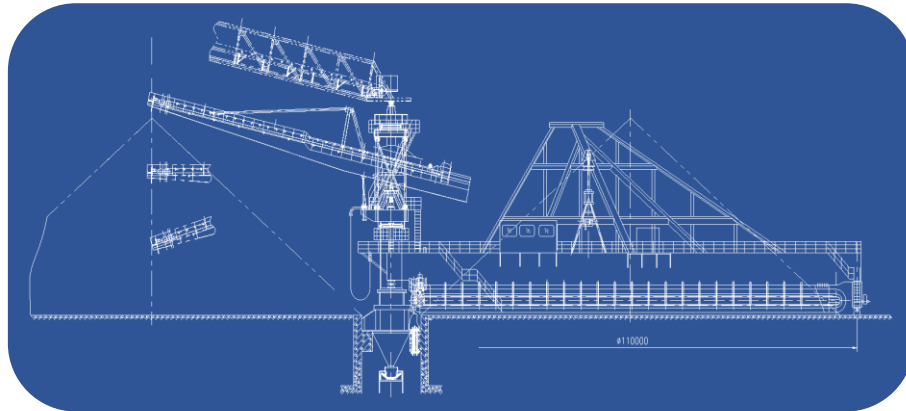
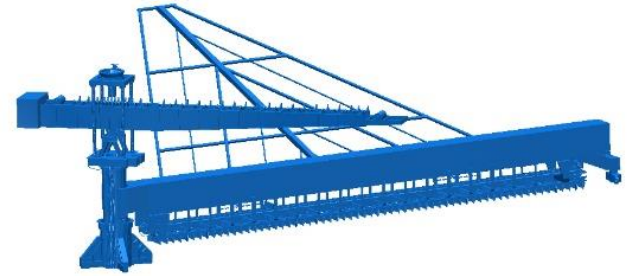


Track diameter (m)	Density	Particle Size (mm)	Stacking Capacity (t/h)	Reclaiming Capacity (t/h)	Storage Capacity (t)
65-120	0.8-2.2	< 300	300-4000	300-2000	20000-200000

Circular Bridge Scraper Homogenizing Stacker & Reclaimer

Brief Introduction :

The circular bridge type scraper homogenizing stacker& reclaimer adopts a process with continuous herringbone stacking and full section reclaiming, the number of layers of the equipment can reach more than 500 layers and the homogenization coefficient is greater than 10, which is the best equipment with the best homogenizing effect among the stacker & reclaimers.

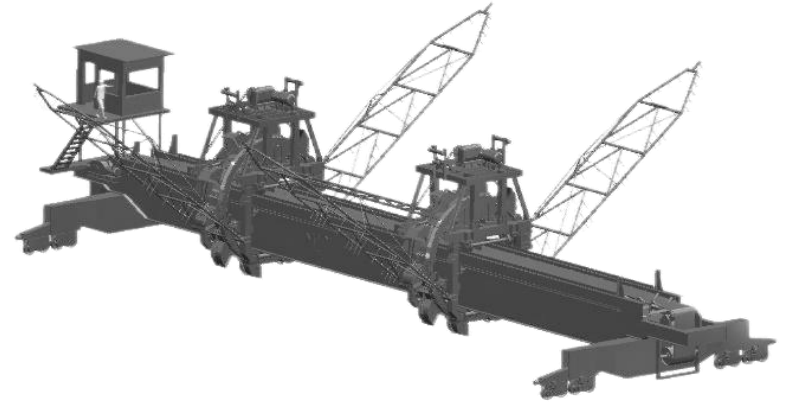


Track diameter (m)	Density	Particle Size (mm)	Moisture	Stacking Capacity (t/h)	Reclaiming Capacity (t/h)	Storage Capacity (t)
55-110	145	< 100	< 10%	200-3000	50-1200	5700-75000

Bridge Bucket Wheel Homogenizing Reclaimer

Brief Introduction :

Bridge bucket wheel homogenizing reclaimer is suitable for the raw material yard of steel industry, which can complete the homogenizing and reclaiming process requirements of bulk materials such as coal concentrate and fine ore etc. It has the characteristics of good homogenizing effect, large reclaiming capacity and high production efficiency.

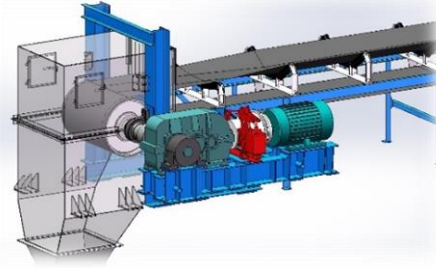


Track span (m)	Density	Particle Size (mm)	Moisture	Reclaiming Capacity (t/h)
16-42	0.8-2.4	< 100	< 8%	50-3000

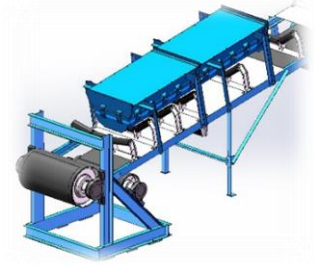
Belt Conveyor

Brief Introduction :

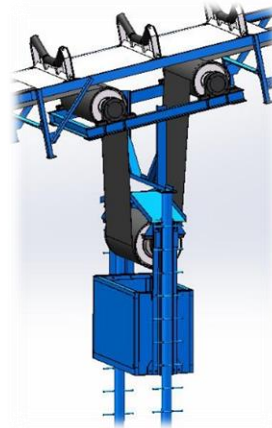
Belt conveyor is a kind of machine that conveys materials in a continuous way by friction drive. With a belt conveyor, it is possible to create a material transportation process from the initial feeding point to the final discharging point. Belt conveyors can transport not only bulk materials but also packed products. In industrial production, belt conveyors can be used as a link between production machines to create continuous production system, achieve continuity and automation of the production chain, improve production efficiency and reduce labor intensity.



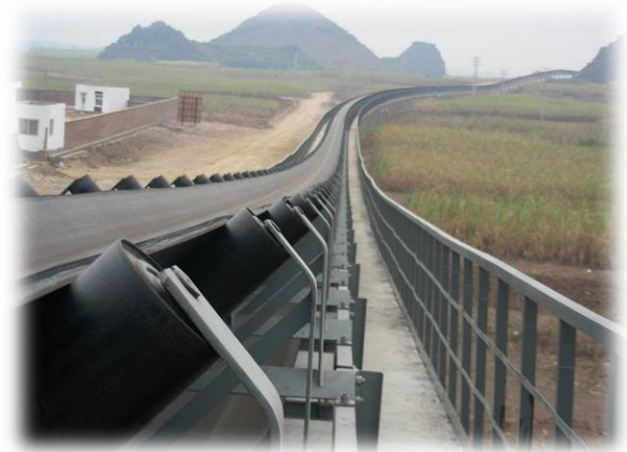
Head part of belt conveyor



Tail part of belt conveyor



Middle tension device of belt conveyor

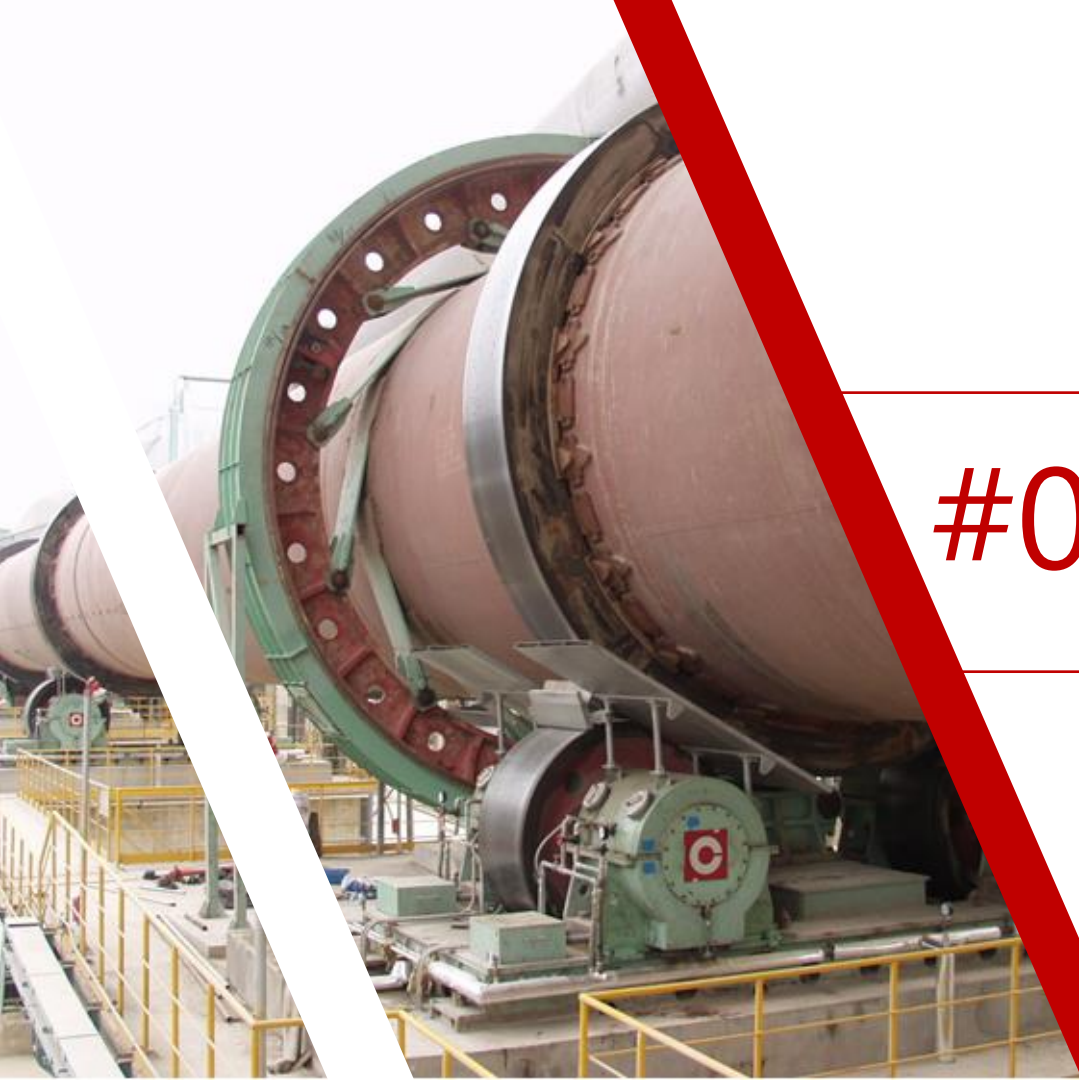


Belt Conveyor

- Our belt conveyor is widely used in metallurgy, mining, coal, port, power station, building materials, chemical industry, light industry, petroleum, cement and other industries, suitable for conveying various bulk materials and bagged materials with capacity 500~2500kg/m³, such as coal, gravel, sand, cement, fertilizer, grain, etc.
- Our company can design and manufacture the flat belt conveyors, downward belt conveyors, coal mine belt conveyors, pipe conveyors, power plant belt conveyors, steel mill belt conveyors, open pit mine belt conveyors, etc.
- Our belt conveyor is characterized by large conveying capacity, simple structure, easy maintenance, lower cost, and good interchangeability and versatility of main components etc.

Belt Width (mm)	Speed (m/s)									
	0.8	1.0	1.25	1.6	2.0	2.5	3.15	4.0	5.0	6.5
500	69	87	108	139	174	217				
650	127	159	198	254	318	397				
800	198	248	310	397	946	620	781			
1000	324	405	507	649	811	1014	1278	1622		
1200		593	742	951	1188	1486	1872	2377	2971	
1400		825	1032	1321	1652	2065	2602	3304	4130	
1600					2186	2733	3444	4373	5466	
1800					2795	3494	4403	5591	6989	9083
2000					3470	4338	5466	6941	8676	11277
2200							6843	8690	10863	14120
2400							8289	10526	13158	17104

Note: The calculation of the conveying capacity is based on the assumption that the conveyor is routed on a horizontal surface, with a dynamic stacking angle of 20° and a roller slot angle of 35°.



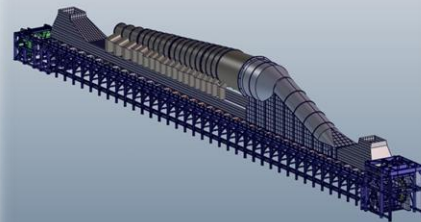
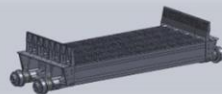
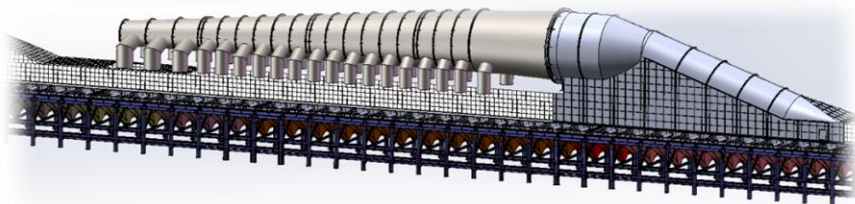
#04

Pelletizing & Metallurgy

Straight Grate Machine

Brief Introduction:

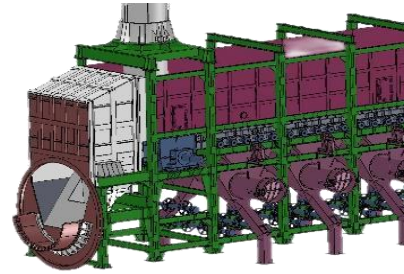
The complete process of pelletizing: drying, preheating, roasting and cooling will be done on only one equipment. The ball material layer is relatively stationary, the process is simple, the arrangement is compact, the weight of the equipment is light, which creates conditions for the plant to reduce the floor space and the amount of works. And the output is high, the maximum has reached 750m², the annual output reaches more than 5 million tons. Its adaptability to raw materials is strong, and at the same time the energy consumption is low due to the reasonable arrangement of the thermal system.



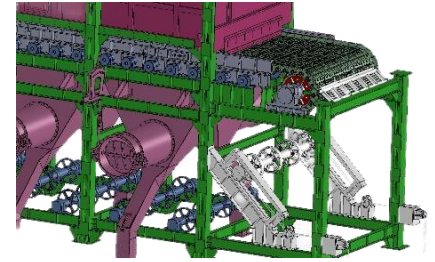
Travelling Grate Machine

Brief Introduction :

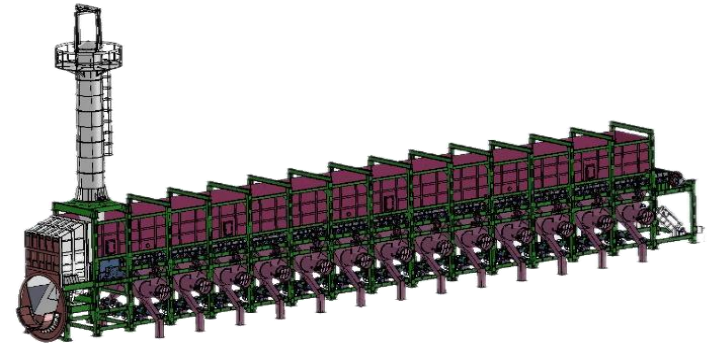
The travelling grate machine is the main equipment used for the travelling grate machine - rotary kiln process method of pellet firing. It is used to transport the iron-containing pellets on the grate plates at a slow speed and using the waste heat discharged from other equipment on the process line to dry, preheat and consolidate the raw pellets, and then sending them directly to the rotary kiln for roasting to achieve the pellet quality requirements and produce qualified pellet products. The whole process adopts short flow so as to saves energy consumption. It can also be used to complete other processes that require preheating and drying functions.



Head part of travelling grate



Automatic compensation device
at the tail of travelling grate



Complete travelling grate machine

Travelling Grate Machine

Technical Parameters

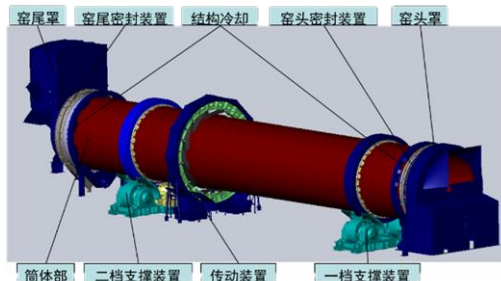
Spec.	20×30	22×30	25×33	28×36	31×36	35×39	40×42	43×66	45×60	55×66
Effective Width m	20	22	25	28	31	35	40	43	45	55
Effective Length m	30	30	33	36	36	39	42	66	60	66
Effective Area ^m ²	60	66	825	1008	111.6	136.5	168	283.8	270	363
Annual Capacity (ten thousand tons)	25	30	55	60	80	100	120	150	200	400
Process Section	Determined according to the process line									
Motor Power kw	2×11	2×15	2×15	2×18.5	2×30	2×22	4×11	4×15	4×15	4×22
Gearbox Speed Ratio	315	315	315	315	355	1070	1060	730	730	440

Rotary Kiln

Brief Introduction:

Rotary kiln is used for different industries and different process requirements for roasting operations, such as for metallurgical industry, iron and steel plant magnetization roasting of poor magnetic iron ore, chromium-nickel iron ore oxidation roasting; refractory plant roasting high metallurgical ore and aluminum plant roasting clinker, aluminum hydroxide; chemical plant roasting chrome ore sand and chrome ore powder and other types of minerals.

Rotary kiln is a cylinder type rotary equipment. The internal of cylinder is lined with refractory bricks and heat exchange devices, and rotates at a low speed. The material and the flue gas are generally counter-current heat exchange, and the material is added from the high end of the kiln. As the kiln body is installed at an inclination, the material inside the kiln moves axially while turning in a circular direction during rotation. The burner sprays fuel at the low end and the flue gas is discharged from the high end. The material is heated in the process of moving, and after physical and chemical changes, it becomes qualified product and is discharged from the low end.



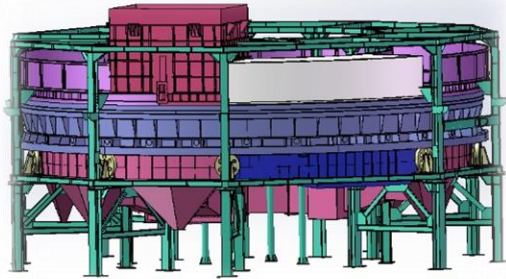
Rotary Kiln

Technical Parameters

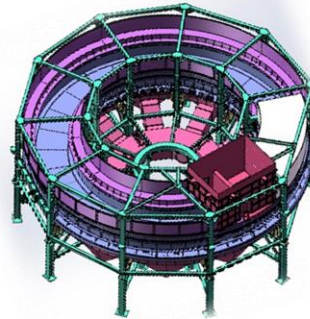
Spec.			Φ3.2×28	Φ3.5×30	Φ4×30	Φ5×35	Φ6.1×40	Φ6.96×52
Shell inner diameter		m	Φ3.2	Φ3.5	Φ4	Φ5	Φ6.1	Φ6.96
Shell length		m	28	30	30	35	40	52
Capacity		MTPA	0.4	0.6	0.8	1.5	2.5	5.0
Filling rate			~7%	~7%	~8%	~8%	8.2%	8.98%
Speed	Normal	r/min	0.67~1.69	0.5~1.54	0.4~1.4	0.3~1.2	0.45~1.35	0.45~1.35
	Auxiliary	r/min	0.05	0.05	0.06	0.07	0.06	0.06
Inclination		%	3.5%	3.5%	3.5%	4.25%	4.25%	4.25%
Nos. of supports		Section	2	2	2	2	2	2
Retaining Roller			Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Transmission type			Motor drive	Motor drive	Motor drive	Hydraulic motor	Hydraulic motor	Hydraulic motor

Annular Cooler

Brief Introduction : Blast annular pellet cooler is one of the main equipment in the process flow of travelling grate-rotary kiln-annular cooler in metallurgical pellet engineering. It is used for cooling up to 1200 °C pellets removed from rotary kiln and recovering waste heat for drying preheating other equipment, and finally achieve the purpose that pellets are suitable for transportation.



Side view of annular cooler



The top of annular cooler



Annular Cooler

Technical Parameters

Effective cooling area (m ²)	35	50	69	90	121	150	248
Handling capacity (t/h)	78	125	152	190	270~304	310~385	630~700
Inner diameter (m)	φ12.5	φ12.5	φ12.5	φ15	φ18.5	φ22	φ25
Trolley width (mm)	1320	1800	2200	2400	2500	2500	3750
Amount of trolley (set)	28	28	28	28	45	45	40
Material bed thickness (mm)	760	760	760	760	760	800	850
Power (kW)	2×11kW	2×11kW	2×11kW	2×11kW	2×15kW	2×15kW	2×22kW



#05

Environment Protection

Hazardous waste kiln

Product Briefs: :

The hazardous waste rotary kiln, also known as the hazardous waste rotary kiln, is a rotary kiln used to treat and calcine hazardous waste. It is used to achieve the purpose of harmless, reduction and recycling of hazardous waste. High-temperature incineration is the most effective method to treat hazardous waste. Rotary kiln is the most direct equipment in hazardous waste treatment.

Application: applicable to the calcination of solid particles separated from hazardous waste, sludge waste, sludge waste, industrial waste, PVC material, domestic waste and other solid waste, semi-solid waste, organic waste, inorganic waste, waste water and exhaust gas



Drum Screen

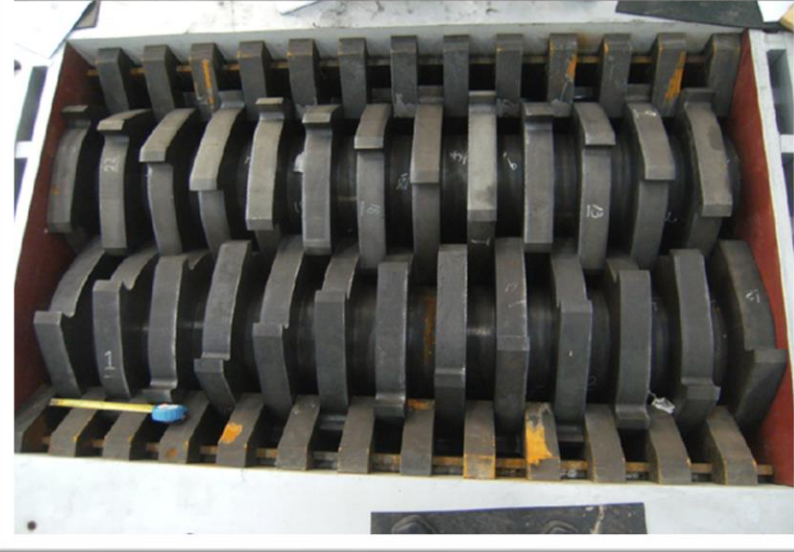
Product briefs:

The drum screen is mainly applicable to the screening of urban domestic waste, stale waste, industrial waste, construction waste and scrap steel. The rotating speed is adjustable by frequency conversion, the screen hole is not blocked, the output is large, and the size and aperture are selected according to the user's process.



Shear crusher

1. shear crusher adapts to breaking of tough materials, such as domestic rubbish sieves, thin ferrous, rubber, plastic bucket, bicycle, car, etc., discharge strip shape.
2. with low speed, overload inversion ability.
3. the structure is short, light, and low in the foundation requirements.
4. low noise, less dust.





Partial Product references and Project Sites

Partial Achievement List of Kiln

No.	Equipment	Specification	Q'ty	Client/Project Name
1	Metallurgical kiln	Φ3.5×68m	1	Suzhou Sinoma Nonmetallic Mineral Industry Design and Research Institute Co., Ltd.
2	Rotary kiln	Φ4.8×74m	1	Sinoma Equipment Group Co., Ltd. Nanjing Branch-Maputo Project, Mozambique
3	Rotary kiln	Φ5.2×74m	3	China Sinoma International Engineering Co., Ltd.-Nigeria
4	Kiln for hazardous waste	Φ4.2X15m	1	Beijing Qiyue -Shihezi Hazardous Waste Comprehensive Disposal Project
5	Kiln for hazardous waste	Φ4.3×16m	1	Hunan MCC-Baosteel Incineration Reconstruction Project
6	Rotary kiln	Φ5.2m×74m	2	Sinoma International Engineering Co., Ltd.-Pakistan Kohat Cement Project
7	Rotary kiln	Φ5.2m×74m	2	China Sinoma International Engineering Co., Ltd.-Nigeria Okpella Project
8	Kiln for hazardous waste	Φ4.5×16m	1	Hunan MCC-Jieyang Hazardous Waste Incineration Project
9	Metallurgical kiln	Φ4.8×74	2	Sinoma Equipment Group Co., Ltd Nanjing Branch.-Rizhao Steel Project
10	Kiln for hazardous waste	Φ4.2×15m	1	Guangda Green Solid Waste Disposal (Daqing) Co., Ltd.
11	Kiln for hazardous waste	Φ4.5×16m	1	China Ruilin Engineering Technology Co., Ltd.-Zhuhai Project
12	Rotary kiln	Φ6.2×78m	1	Sinoma International Engineering Co., Ltd.-Indonesia
13	Rotary kiln	Φ5.2×82m	2	Guangxi Jinxiang Cement Project-Sinoma International Engineering Co., Ltd.
14	Kiln for hazardous waste	Φ4.2×16m	1	Guangzhou Victoria Harbour Environmental Protection Technology Co., Ltd
15	Rotary kiln	Φ5.4×80m	1	Zibo Luzhong Cement Company
16	Rotary kiln	Φ4.8X74m	1	Andijan Western Cement Company-Uzbekistan

Partial Achievement List of Various Mills

No.	Equipment	Specification	Q'ty	Client/Project Name
1	Vertical Slag Mill	LRMK56.4	1	Shunping Jinqiang Cement Co., Ltd
2	Vertical Slag Mill	LRMS56.3	1	Shanghai Chongheng Metallurgical Engineering Technology Co., Ltd.-Yukun Iron and Steel Group
3	Vertical Slag Mill	LRMS56.3	1	Tangshan Guotang Steel Co., Ltd. 1.2-1.5MTPA Pulverized Slag Project
4	Vertical Raw Mill	LRM45.4	1	Xiangfen County Long Yunfei Gypsum Comprehensive Utilization Co., Ltd
5	Vertical Raw Mill	LRM53.4	1	Bole Zhongbo Cement Company
6	Tube Mill	Φ4.2m×14.5m	4	Guangxi Jinxiang Cement Project-Sinoma International Engineering Co., Ltd.
7	Tube Mill	Φ3.2m×713m	2	AFAK INDUSTRIES FZE-Iraq
8	Tube Mill	Φ4.2m×13m	2	Sinoma International Engineering Co., Ltd.F72B-Myanmar Phase II
9	Tube Mill	φ3.8×13m	1	SINOMA-Suzhou Engineering Co., Ltd
10	Overflow Ball Mill	MQY4680	1	KTP Titanium iron Concentrate Plant -Iran
11	Overflow Ball Mill	MQY4680	2	PASCO Iron Ore Plant -Iran
12	Overflow Ball Mill	MQY2736	1	KTP Titanium iron Concentrate Plant -Iran
13	Desulfurization Ball Mill	MST4080	2	Limestone Grinding System of NTPC North Karanpura 3×660MW Power Plant in India
14	Desulfurization Ball Mill	MST3680	2	Flue Gas Desulphurisation System (Phase-I) of NTPC Power Plant in India
15	Desulfurization Ball Mill	MST3275	2	Flue Gas Desulphurisation System (Phase-II) of NTPC Power Plant in India
16	Rod Mill	MBG2745	1	Rod Mill Supply for SUMITOMO Metal Mining Project

Partial Achievement List of Crusher

No.	Equipment	Specification	Q'ty	Client/Project Name
1	Impact Crusher	NPF1618	1	Gezhouba Samarkand 7500TPD Cement Plant Project
2	Toothed Wheel Crusherl	LPS625	1	Gezhouba Samarkand 7500TPD Cement Plant Project
3	Toothed Wheel Crusherl	LPM800	1	Guangxi Jinxiang Cement Project-Sinoma International Engineering Co., Ltd.
4	Double-rotor Hammer Crusher	2PCF2022	1	Pakistan Fauji Cement Company Limited
5	Hammer Crusher	PCF2020	1	China-Africa Building Niger Share Company
6	Hammer Crusher	PCS1139	1	Jiangsu Sinoma Cement Technology Equipment Co., Ltd.-Changning Hongshi Cement Project
7	Hammer Crusher	PHC5000	1	Nanjing Henghai Cement Enginerring Company
8	Clinker Roll Crusher	PGM5×5400	2	Guangxi Jinxiang Cement Project-Sinoma International Engineering Co., Ltd.
9	Clinker Roll Crusher	PGS4×3600	1	Congo GLC Cement Company
10	Clinker Roll Crusher	PGM4×4800	1	Tongren Conch Cement Project
11	Ring Hammer Crusher	PCH1016	1	Guangxi Jinxiang Cement Project-Sinoma International Engineering Co., Ltd.
12	Ring Hammer Crusher	PCH1416	1	Congo GLC Cement Company
13	Cone Crusher	LDYS600	1	Chengde Tianbao Cement Company
14	Cone Crusher	LDY200	1	Turkey Sintek Cimsa Mersin Project
15	Jaw Crusher	PEX300×1300	1	Zibo Luzhong Cement Company
16	Jaw Crusher	PEX900×1200	1	Zibo Luzhong Cement Company

Partial Achievement List of Apron Feeder

No.	Equipment	Specification	Q'ty	Client/Project Name
1	Heavy Apron Feeder	B2400×12000mm	1	Anhui Panjing Cement Company
2	Heavy Apron Feeder	WB2400×10000mm	2	Jiangsu Sinoma Cement Technology Equipment Co., Ltd.-Xinning Cement Project
3	Heavy Apron Feeder	WB2400×12000mm	1	Dongguan Xingsheng Machinery Company
4	Heavy Apron Feeder	B2500×14000mm	1	Chongqing Naide Industrial Co., Ltd.
5	Heavy Apron Feeder	B1800×14500mm	1	Chongqing Naide Industrial Co., Ltd.
6	Heavy Apron Feeder	B2400×12000mm	1	Huaxin Cement(Huangshi)Company Limited
7	Heavy Apron Feeder	B2400×21735mm	1	CITIC Heavy Industries Engineering Technology Co., Ltd.-Cambodia Project
8	Heavy Apron Feeder	B2500×10000mm	1	Nanjing Kaisheng International Engineering Co., Ltd.-Southwest Cement of Lijiang,Yunnan
9	Heavy Apron Feeder	B2400×12060mm	1	Nigeria SOKOTO No.4 Cement Production Line Project
10	Heavy Apron Feeder	B1800X12000mm	1	Guangxi Beijiang Cement Company
11	Apron Feeder	B1400×2520mm	1	Tongren Conch Cement Project
12	Apron Feeder	B1000×4000mm	1	Guangzhou Victoria Harbour Environmental Protection Technology Co., Ltd
13	Apron Feeder	B1250×7560mm	1	Yongan Jinniu Cement Company
14	Apron Feeder	B1400×2520mm	1	Huaxin Cement(Chibi) Company
15	Apron Feeder	B1500×4410mm	1	Sinoma International Engineering Co., Ltd.-Nigeria OKPELLA Project
16	Apron Feeder	B800×5000mm	3	Nanjing Xipu Cement Engineering Group Co., Ltd.-Cambodia Taiwenlong Project

Partial Achievement List of Stacker & Reclaimer

No.	Equipment	Specification	Q'ty	Client/Project Name
1	Side Scraper Reclaimer	Q625/29	2	Shah Cement Industries Ltd. Bangladesh
2	Side Scraper Reclaimer	QC400/28	2	Long Thanh Company Limited
3	Side cantilever stacker	DCX300/17.9	2	Uzbekistan Yaxin Building Materials Co., Ltd.
4	Side cantilever stacker	DCX900/18.6	1	Long Thanh Company Limited
5	Side cantilever stacker	DCX400/20	1	Guangxi Xindongyun Cement
6	Side cantilever stacker	DCX700/20.9	2	Guangxi Jinxiang Cement Project-Sinoma International Engineering Co., Ltd.
7	Semi-portal Scraper Reclaimer	QGM2000.40	4	Jiangsu Jinfeng Cement Group
8	Semi-portal Scraper Reclaimer		4	Turkey MEDCEM Cement Company
9	Bridge Scraper Reclaimer	QG1200/38	1	Guangxi Tongling Conch Cement Company
10	Stacker & Reclaimer	φ90m	1	5000t/d Clinker Cement Production Line of Guangxi Xindongyun Cement -Phase II
11	Stacker & Reclaimer	φ90m	1	Uzbekistan Yaxin Building Materials Co., Ltd. Fergana Yaxin 2500t/d cement production line
12	Stacker & Reclaimer	φ102m	1	China Heavy Machinery Co., Ltd.-Vietnam Longcheng Project
13	Stacker & Reclaimer	φ102m	1	Tangshan Jidong Equipment Engineering Co., Ltd.-Jidong Tongchuan Project
14	Stacker & Reclaimer	φ110m	1	Sinoma International Engineering Co., Ltd.-Vietnam Chengsheng Phase IV
15	Stacker & Reclaimer	φ110m	1	Fujian Chunchi Group Xinfeng Cement Co., Ltd
16	Stacker & Reclaimer	φ114m	1	5000t/d Clinker Cement Production Line of Guangxi Xindongyun Cement -Phase II

Achievement List of EPC Project

No.	Client/Project Name	Country	Time
1	Wusu Shangfeng 2,500t/d Clinker Production Line EPC Project	China	2010
2	Bole Zhongbo 5,000t/d Clinker Production Line EPC Project	China	2011
3	Laos 2500TPD Clinker Production Line Crusher station EP Project	Laos	2014
4	Saad Saad Abdullah 100TPH Cement Grinding Station EPC Project	Yemen	2016
5	Hoa Phat0.75MTPA Ore Powder Grinding Line EP Project	Vietnam	2018
6	Engineering, Procurement and Construction of KAR-Najaf 2×50TPH Cement Grinding Station	Iraq	2019
7	Tibet Kaitouhaitong 2,000t/d Clinker Production Line EP Project	China	2020
8	Iraq KAR-QarachogCement Plant 200TPH Cement Grinding Station Project - EP	Iraq	2020
9	Karakalpak Cement 3,200t/d New Dry Process Clinker Production Line EPC Project	Uzbekistan	2021
10	EASH-MILK 2,500t/d Clinker Production Line EPC Project	Uzbekistan	2021
11	Indonesia 0.5MTPA Limestone Grinding EP Project	Indonesia	2021
12	5000TPD New Dry Process Cement Production Line Capacity Improvement Project-EP (Clinker Section)	China	2021
13	0.5MTPA Steel Slag &Slag Grinding Project	China	2022
14	Kolsim 3500TPD Clinker Cement Production Line EPC Project	Kazakhstan	2022
15	BotswanaCheetah Cement Company 0.9MTPA Grinding Station EPC Project	Africa-Botswana	2022

Project site



Project site





Welcome to Sinoma-Liyang

Nationally Made, Globally Equipped