



VALERION
IMPEX PVT LTD

ISO Certified Company CE
"Trusted to deliver Excellence "

Manufacture & Exporter of Cement Machinery parts



**Exporters of Cement
Machinery Parts**





VALERION
IMPEX PVT LTD

Trusted to deliver Excellence

Cement Machinery Parts



Email Id: master@cementmachineryparts.com

About Us

In today's fast paced world, having the right part can mean the difference between "on-time" and "off-line." You can rely on Valerion Impex Pvt Ltd to consistently deliver the complex machined parts you need to keep operations humming in the railroad industries. Our reputation in the industry is unparalleled and is a direct reflection of our dedication to providing quality products at competitive prices.

Combine this with our commitment to integrity at every level of our business and you have the obvious solution to all your part manufacturing and distribution needs.

At Valerion Impex , you will find one of the widest inventories of machined parts available in the industry. Our extensive inventory guarantees you a fast turn-around on orders and lower shipping costs as you can consolidate purchasing and delivery from a single supplier.





VALERION
IMPEX PVT LTD

Trusted to deliver Excellence

Our Mission

“To be the company that provides the best services
and to satisfy our customers globally”



Email Id: master@cementmachineryparts.com

Our Category



Cement Raw Material Equipments

Clinker Production Equipments



Cement Equipments & Storage



VALERION
IMPEX PVT LTD

Trusted to deliver Excellence

Index

Cement Raw Material & Equipments	Page no
Raw Materials	
• Limestone	3
• Clay	3
• Gypsum	4
Crushers	
• Jaw Crusher	5
• Cone Crusher	6
• Hammer Crusher	7
• Impact Crusher	8
Raw mill	
• Cement Ball Mill	9
• Vertical Cement Mill	
Conveyors Equipments	
• Belt Conveyors	10
• Cement Bucket elevator	11
Clinker Production	
Cement Kiln	
• Rotary Kiln	12
• Shaft Kiln	13



Trusted to deliver Excellence

Cooler & Dryer

- | | |
|---------------------|----|
| • Rotary Kiln Dryer | 14 |
| • Clinker Cooler | 15 |

Vibrating screens

- | | |
|------------------------------|----|
| • Circular Vibrating Screens | 16 |
| • Linear Vibrating Screens | |

Cement Equipments & Storage

- | | |
|--------------------------|----|
| • Cement Separator | 17 |
| • Cement Silos | 18 |
| • Cement Packing Machine | 19 |

Raw Materials



Limestone

Limestone: Common forms of calcium carbonate used as raw material for cement manufacturing are limestone and chalk. Limestone is of predominantly fine-grained crystalline structure; its hardness is between 1.8 to 3.0 of the Mohs scale of hardness and specific gravity 2. To 2.8. Limestone usually contains admixtures of clay substance or iron compounds, which influences its color. Only the purest varieties of limestone are white.

Clay Component

The second important raw material for cement production is clay. The main component of clay is formed by hydrous aluminum silicates. The chemical composition of clay may vary from those close to the pure clay, to that containing a significant amount of admixtures as iron hydroxide, iron sulfide, sand, calcium carbonate, etc. Clay is used as an argillaceous component of raw mix.

Clay



Gypsum



Gypsum is the raw material commonly used in construction, building materials, chemical industry, metallurgy, coating, and other industrial fields. Gypsum plays a very important role in controlling the rate of hardening of the cement. Gypsum (hydrated calcium sulphate $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$) 85 to 95 % chemical-phosphor gypsum natural gypsum for agriculture and industrial use.

Properties:

- Color is usually white, colorless, or gray, but can also be shades of red, brown and yellow
- Transparency crystals are transparent to translucent
- Fracture is uneven but rarely seen
- Hardness is 2 and can be scratched by a fingernail
- Luster is vitreous to pearly especially on cleavage surfaces
- Streak is white
- Specific Gravity is approximately 2.3 (light)
- Crystal System is monoclinic; 2/m



Trusted to deliver Excellence

Crushers

Jaw Crushers

Production Capacity : 1-200t/h

Feeding Size: 125-1200mm

Application: Pebble, calcite, granite, quartz, Concrete, dolomite, bluestone, Iron ore , Limestone construction waste .



The **jaw crusher** is suitable for crushing various ores or rocks with a compressive strength limit below 250 MPa. Widely apply for mining, cement and concrete industries. It is mainly used as coarse crusher and medium crusher in mines, building materials and infrastructure. The jaw cement crusher produced by Tuff brand has the characteristics of simple structure, easy manufacture, reliable operation, long service life and convenient maintenance.



Cone Crusher



Production Capacity : 12-1, 814m³/H

Feeding Size: ≤350mm

Application: Cobble granite , Basalt, iron Ore, Limestone, quartz stone , diabase , gold Ore and copper ore.

Cone Cement Crusher: Cone Crushers has various classifications. According to types, there are four types including spring cone crusher, rolling type cone crusher, hydro-cone crusher, and complex cone crusher. According to the models, the cone crusher can be divided into PY cone crusher, Simmons cone crusher, hydro-cone crusher, complex crusher, Single cylinder hydraulic cone crusher, Multi-cylinder hydraulic cone crusher and etc. according to the cavity, there are standard, middle-sized and Brachycephalic cone crusher.





Trusted to deliver Excellence

Hammer Crushers

Production Capacity: 5-600m³/h

Feeding Size: ≤314mm

Application : Coal, Salt, Gypsum, alums, Brick, Tile, Limestone



Hammer Crusher: Hammer crusher also known as hammer crusher machine, is used to crush the mineral of a hard brittle material. The compressive strength of broken material is less than 150Mp, humidity is less than 15%. The hammer crusher machine can be divided into single-stage hammer crusher, efficient hammer crusher, impacting hammer crusher, reversible hammer crusher and ring hammer crusher.





Trusted to deliver Excellence

Impact Crusher:

Production Capacity: 30-550t/h

Feeding Size: 300-700mm

Application: river gravel, granite, basalt, iron ore, limestone, quartz stone, coal gangue, dolomite, feldspar, calcite, talc, barite and building wastes, etc.



The **impact crusher** is a new and high-efficient **cement crusher**, with advantages of small size, simple structure, and large reduction ratio, less energy consumption, uniform practical size and flexible selectivity. The remarkable features of impact crusher is large feeding mouth, impact crusher own 1.5 times or even 2 times larger crushing cavity than that of other crushers.



Raw mill

Raw mill is called cement raw mill, raw mill in cement plant, it refers to a common type of cement equipment in the Cement Plant. In the cement manufacturing process, raw mill in cement plant grind cement raw material into the raw mix, and the raw mix is sent to the cement kiln to make cement clinker, clinker and other admixtures will be ground into finished cement by cement mill.

Two types of Raw mill



Application: Limestone, Clay, graphite, phosphate

Capacity: 13-70t/h

Advantage: Low investment
Low operation Cost
Environment protection
Clean

Vertical Ball Mill



Trusted to deliver Excellence

Cement Ball mill



Application: Limestone, clay, coal, iron ore, copper, phosphate

Capacity: 0.65-615 T/H

Advantage: High output

Safe and Reliable System

Good wear resistance and long service life

Conveyor Equipments

Belt Conveyors

Rubber Belt width: 400-2400mm

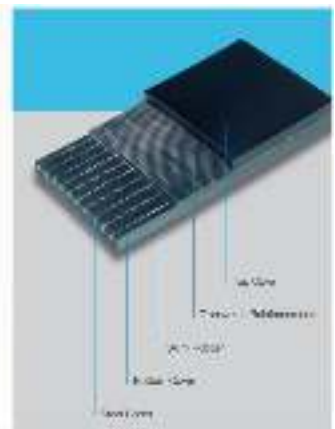
Conveying Capacity: 30-3000t/h

Application: Widely used for Transportation of various lumpy, granular, and powdery materials



Cement conveyor refers to a *belt conveyor in cement plant*, which is necessary accessory equipment in the cement production line.

Belt conveyor is a material handling equipment with strong adaptability, apply for conveying bulk density less than $1.67t / m^3$, it is mostly used for powder, granular, small lump materials and bagged materials, such as sand, ore, coal, cement and other loose materials.





Trusted to deliver Excellence

Bucket Elevators

Lifting Height 28-80m

Conveying Capacity: 3-491m³/h

Application: Coal, Cement, Stone, sand, clay, ore



Bucket elevator in cement plant, also called **cement bucket elevator**, is mechanical conveying equipment, apply for the vertical lift of powder, particles like limestone, coal, gypsum, clinker, clay, raw meal, cement, pulverized coal, etc. in general, cement bucket elevator work with cement crusher, raw mill, cement mill, and other cement equipment.



Clinker Production

Rotary Kiln

Power: 17-630kw

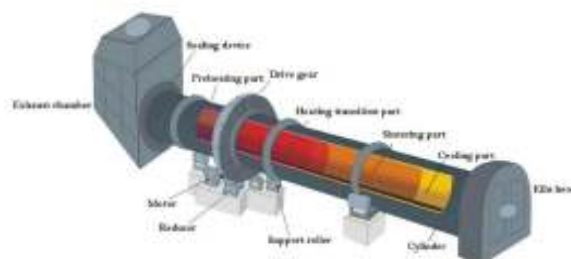
Capacity: 10-5000t/d

Application: Cement production line

Lime production line.



Cement rotary kilns refer to cement rotary calcining kilns (sometimes called rotary furnaces). It is a pyro processing device used to heat materials to high temperatures in a continuous process. The kiln body is a cylinder vessel with a certain degree of tilt to the horizontal level. Raw materials are fed into the vessel from the upper end and moved to the lower end, being stirred and mixed relying on the inclination and rotation of the kiln.



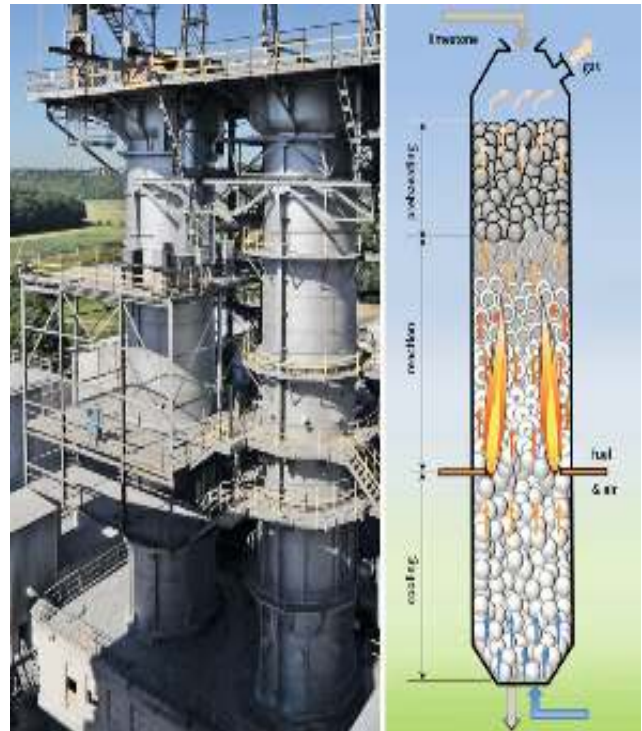
Shaft Kiln

Power: 22-55 Kw

Capacity: 12-35 t/h

Application: Vertical Shaft ,
Cement Plant, Lime production line

Shaft kiln, also called vertical shaft kiln or vertical kiln, is a kind of vertical set stationary cement kiln, usually applied in the cement production line, lime production line, etc. As one of the main cement equipment, it plays the same role as a cement rotary kiln for cement clinker manufacturing, also composed of preheating zone, calcining zone, and cooling zone, while no matter the production process, investment or cement properties, it is different from the rotary kiln.





Trusted to deliver Excellence

Dryer & Cooler

Production Capacity : 1.9-76.0T/h

Application : mineral processing, building material, metallurgy, chemical, etc.



Rotary Dryer

The rotary kiln dryer, also called cement dryer, is one rotary dryer. rotary kiln dryer applies for drying cement. The cement dryer is made of rotary body, lifting board, transmission, support device, seal ring and etc. The rotary kiln dryer can be used to dry material with certain wetness or size. The rotary dryer is adaptable to various kinds of material, easy to operate, simple and stable structure, so the cement rotary dryer is wide applied to mineral processing, building materials, metallurgy, chemical and other fields.



Trusted to deliver Excellence

Clinker Cooler

Production Capacity : 2-36t/h

Application : cement, silicate products

New building materials , refractories ,

Glass , ceramics



The clinker cooler, also known as **grate cooler** or **cement cooler**, it is a necessary equipment of **cement clinker production**. The clinker cooler is mainly used to cool and transport the cement clinker. At the same time, cement cooler also provide hot-air for **rotary kiln** and calciner, it is the main equipment of heat recovery for burning system.

The cooler will make a sufficient heat exchange between the clinker (1000-1200°C) from the rotary kiln and air by cooler rotating, so that the material can be cooled to (below 200°C), and improve the clinker quality and grindability, our clinker cooler with the features of simple structure, high transport rate, easy operation and maintenance.

Vibrating Screens

Vibrating screen machine is also called vibrating screen. It is a material screening equipment, as well as important cement equipment, applied in cement production lines, stone crushing plants, cement grinding units, etc.



Linear vibrating screen



Perforated sheets



Circular Vibrating Screen

Cement Equipments & Storage

Cement Separator

Through output: 21-250t/h

Fan speed: 900-1680rpm

Application: Cement, Portland products, new building materials, refractories, glass ceramics, and other production industries.



- High efficiency of powder selection, which is 10 percent higher than that of the third generation of powder separator, can reach more than 80%.
- Increase production and save energy. Compared with an open-circuit cement mill, the output of the cement mill is increased by 40 ~ 100%. Compared with centrifugal type and cyclone type closed-circuit mill, the output can be increased by 15 ~ 40%. The power consumption of the grinding system is reduced by 10 ~ 20%.
- Improve product quality and improve particle distribution of finished products. It is beneficial to increase the content of 3 ~ 30 m particles in cement, thus improving the strength of cement. Reduce the content of more than 200 m particles in raw meal and improve the flammability



Trusted to deliver Excellence

Cement Silos

Capacity: 100000 tones

Applications: Various materials

Clinker and finished cement.



- More options of size: our cement silo can be used for the storage of various materials, clinker, and cement. The cement silo capacity ranging up to 100,000 tones.
- Complete equipment: as a professional cement silo manufacturer, we can supply a full line of cement silos, transfer blowers, transfer pods, dust collectors and special equipment as you need.
- Rich experience in construction: Our exports have received systematic training, they have more than ten years of construction experience that will guarantee the high-standard construction quality.

Cement packing machine

Cement packing machine is a cement equipment which is necessary to produce bagged cement. It is used to complete the automatic packing of cement and other powder materials with good fluidity, such as fly ash, gypsum powder, cement additives, etc. It is widely used in cement plants and other industries.





Trusted to deliver Excellence

The Ultimate Export Company

Our business model is designed to ensure that every step of the ordering and shipment process is thoroughly monitored, and we pride ourselves on our responsiveness to our customers' needs.



Quick response



24/7 Support



Genuine Quality 0



VALERION
IMPEX PVT LTD

Trusted to deliver Excellence

“Always in pursuit of Excellence
Trust every step of the way”



**We are always committed to deliver the
best quality items to our customer at
industry leading prices**

Valerion Impex Private Ltd

Address : Mezz 2nd Floor , Office no 4A, K.K Chambers,
Purshotamdas Thakurdas road Near Siddharth
College Fort, Mumbai 400001 India.

Mobile Phone: +91 9820334961

Telephone : +91 22 22016014 / +9122 22016015

Email Id: valerioncements@gmail.com

URL: www.cementmachineryparts.com

