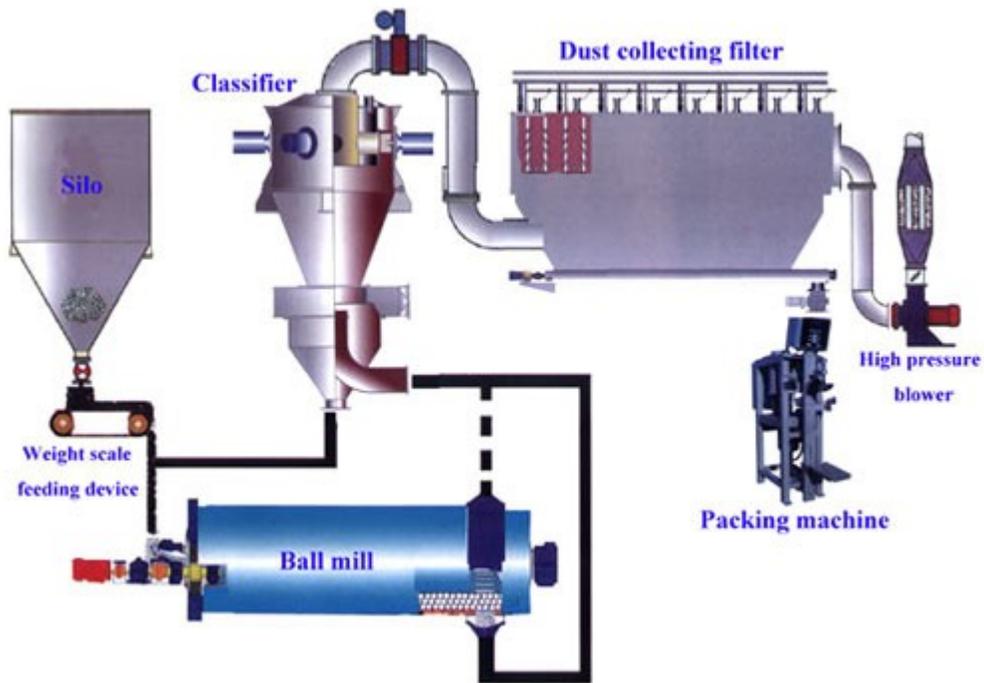


1- cement plant complete

Cement plants are manufactured in two different ways. These are following. We are capable of making the plants from 50 TPD (ton per day) to 2500TPD

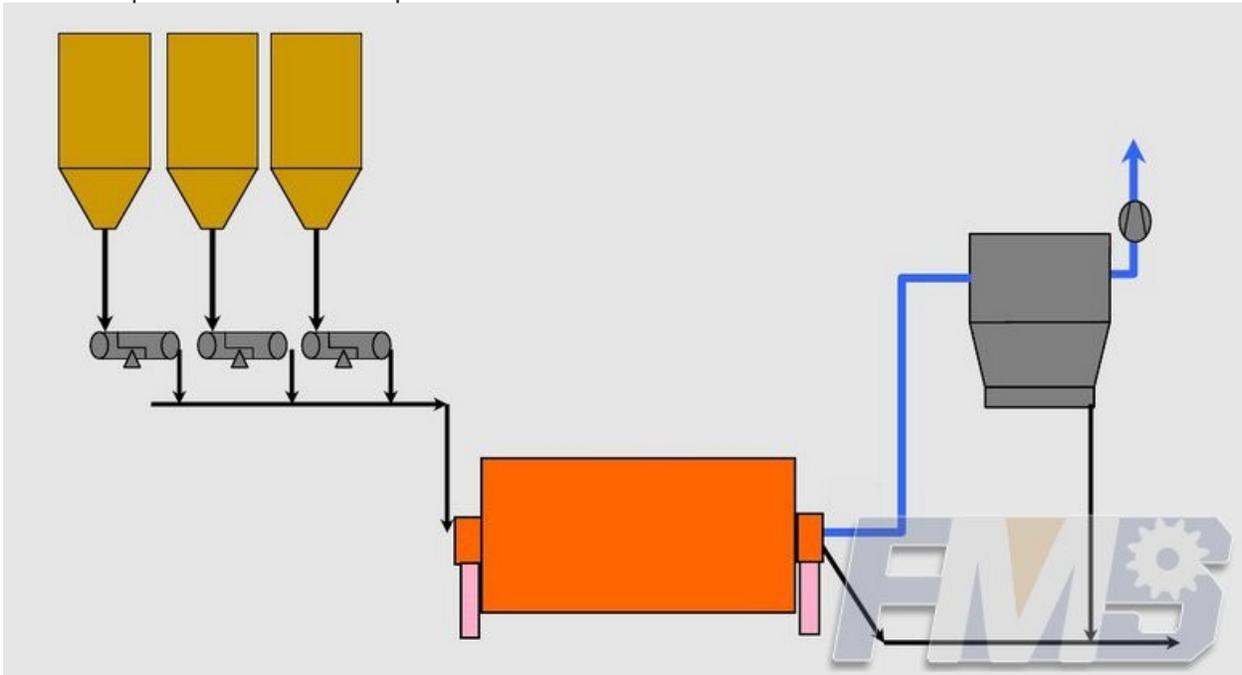
(a) close circuit type

In close circuit type plant air becomes the medium to carry the material from one place to another. An I.D fan is used to give direction to dust laden air. Air separator, cyclone, dust collectors are also used to extract the fine particles from the air. It is deemed as a modern technique of cement making.



(b)- open circuit type.

In open circuit type plant mill output is assumed as a finished product. sometime a dust collector is used at the mill output for more efficient operation.

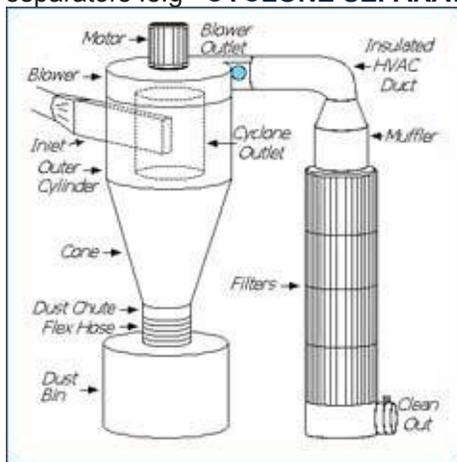


2- air classifier/separator

Air separator are used to extract fines from dust laden air & sends back the coarse particles to the mill feeding system. most of air separators are motor driven & rest of are given assest of a i.d fan.

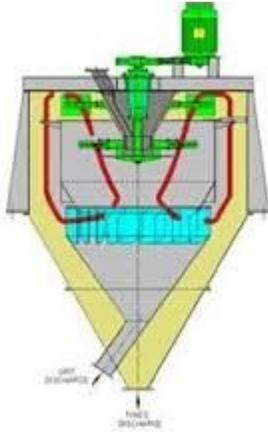
(a) horizontal flow type

dust laden air encounter the separator with horizontal flow. gravitational forces plays vital role in such separators .e.g –**CYCLONE SEPARATOR**



(B) vertical flow type

Air enter in the separator in vertical flow pattern. Eg. – grit separator, mechanical separator, o-sepa separator

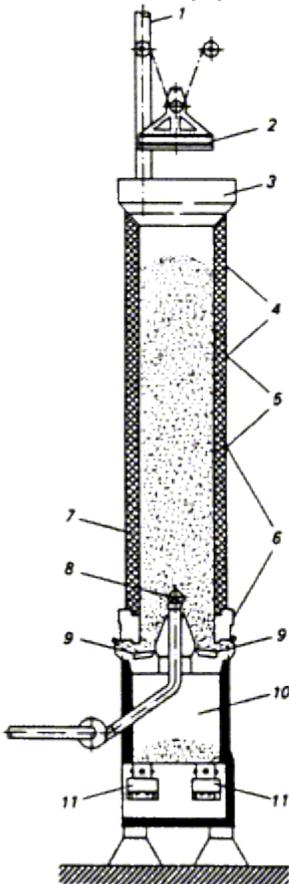


3- kiln

Kiln is used to convert grounded raw mix into clinker by various heat treating operations. it has two types.

a-v.s.k (vertical shaft kiln)

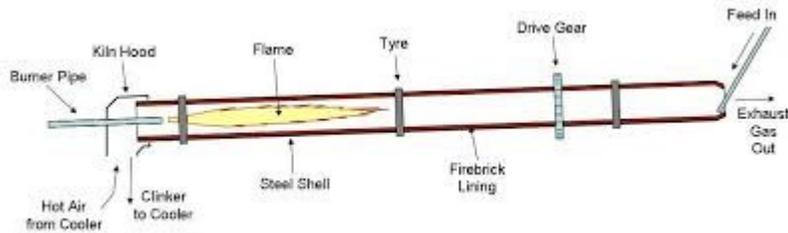
vertical shaft kiln are used in small cement plant upto 500TPD .A vertical shaft attached with grate is given rotation with the help of a motor and gearbox.it cover less floor area and have vertical stance.various equipment like T.D GATE ,CHIMENY are too its parts.



1. Exhaust gas
2. Charging bucket with raw material and fuel
3. Gas seal bell
4. Preheating zone
5. Calcining zone
6. Cooling zone
7. Kiln lining
8. Combustion air inlet
9. Lime discharge
10. Intermediate hopper
11. Discharge channels

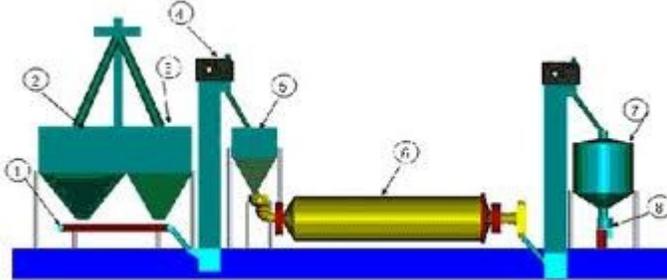
(b) - rotary kiln

Rotary kiln is used in large scale production plant 1500TPD to 8000 TPD. larger in size and given rotary motion through motor and gearbox. it's given support on its both end. rotary kiln is capable to produce high quality clinker.



4- clinker grinding unit

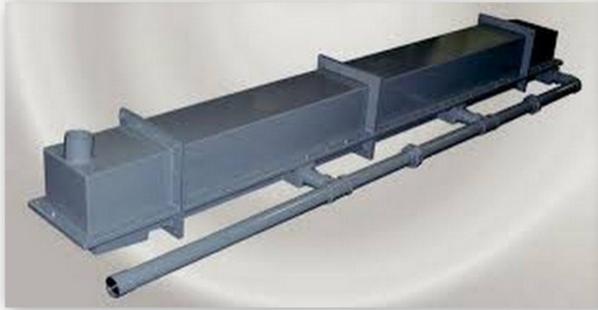
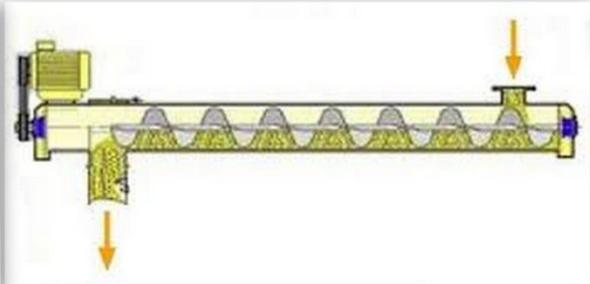
It's also known as cement grinding unit. In this unit, clinker is bought from somewhere and fed in the cement mill directly. It can be of both open circuit & close circuit type. We are able to make of 50 tpd to 2500 tpd capacity plant.



5-conveyor system

conveyor system is used in moving raw or finished material from one place to its destination.

- (a) belt conveyor- a rubber belt rolls over two drums attached on its both ends for transporting the material.
- (b) screw conveyor- screw conveyor mostly used in conveying finished cement & crushed raw mix.
- (c) air slide – its is inclined to one of its end & air carries the material.
- (d) air lift – a high capacity blower is used to soar up the material from bottom to top.
- (e) bucket elevator- iron bucket attached on rolling belt over drum are used to move material to upper direction.



6-packing machine

we provide automatic and manual machines which are capable to pack 150 to 500 bags per hour.



7-silo

As per requirement we are able to make different size's silos inbuilt with homogenization system to store finished material.



8-stone crusher



After taking stone properties and power consumption related aspects into consideration we provide best suitable crusher which will meet to your requirement. Various types of crusher which we make are following

- (a) jaw crushers
- (b)- roll crusher
- (b) hammer crusher
- (d) impactor

9- hopper-

We make hopper for every kind of raw material with compatible feeding and discharging system to the process.



10-air pollution equipment

Air pollution equipments are one of the most essential part of any organization .it provide a healthy environment to worker to work . we make bag filter dust collector very efficiently in which filter cleaning operation is done by reverse pulse jet air.

(a)- bag filter dust collector



11- cyclone

Cyclone is the essential part of close circuit type plant. It helps in managing desired output. Different sizes of cyclone are made up with high precision.



12 i.d fan

An i.d fan plays a vital role in cement manufacturing. From material conveying to air pollution equipment, it is an adjacent part of each machine related to a cement plant. It requires very sharp knowledge of dimension & specifications to make an i.d fan well-functioned. We are capable to make i.d fans of different flow rates and pressure.



13- ayurvedic plants

The mills which is used in crushing raw ingredients of medicines is made successfully .

14- nodulizer –

Nodulizer is a very important part of v.s.k section which converts crushed raw mix into small balls before being fed into the kiln. Various sizes can be manufactured with suitability to the operation.

