

Drying system

- Drying system is used for drying the wet bricks through drying chamber and drying cart, which makes preparation for firing bricks.
- According to the different structures, the drying chamber can be divided into single-layer dryer, small section dryer and big section dryer.

Drying chamber

The heat source of drying chamber is from firing kiln, the heat source will be sent into drying chamber through the pipeline by heating fan, the moisture produced in drying process will be discharged by moist-releasing fan.

Singe-layer Drying



Single-layer drying is a drying system through on-off rack equipment to stack the wet bricks on the single pallet; it can better dry the products of high moisture content materials and high hollow rate, such as fly ash and clay materials with high moisture content. The heat source is after-heat from firing kiln and it can dry the bricks with the cooperation of moist-releasing fan.

Small Section Dryer



Small section drying chamber applies to the production line with yearly capacity lower than 30 million, it is suitable for materials of clay, coal gangue and shale with manual stacking method, low investment and high adaptability.



The heat source is after-heat, which will be sent into bottom of drying chamber by heating fan and for drying the bricks with the cooperation of moist-releasing fan.



Drying cart of small section drying chamber

Big Section Drying Chamber



Big section drying chamber is the kiln body with same size of drying chamber, it is suitable for hard materials of low moisture content, such as clay, shale and coal gangue, it is a drying method for stacking the wet bricks directly on the kiln cart of one-step stacking-firing process, it is suitable for the production line with yearly capacity lower than 30 million.



Stack the wet bricks on kiln cart

Major component: drying chamber, drying cart, kiln car or single-layer pallet, fan and etc.

IBRICK supply you the complete firing system proposal and equipment. Our proposal widely applies in Russia, Uzbekistan, India, Bangladesh, South Africa, Egypt, Peru, Kazakhstan and other countries, we will supply drying system with more energy saving and drying effect for you.

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