



Ball Mill Production Line

球磨机磨粉生产线

工作原来

球磨机磨粉线主要由球磨机以及料仓、给料机、输送机、斗式提升机、选粉机、除尘器等配套设备组成，根据客户要求可配置不同的配套设备。

磨粉线工作时，物料通过原料仓底部的给料机均匀送入球磨机内，在球磨机内研磨后由出料口流出，进入斗式提升机，由斗式提升机将研磨后的物料提升送入选粉机，经选粉机筛选分级后，粗粉通过螺旋输送机返回球磨机内重磨，成品细粉则通过斗式提升机送入成品料仓储存包装，完成磨粉工作。磨粉工作时产生的粉尘由除尘器收集处理，收集的粉状物料返回球磨机内重磨，干净空气通过除尘风机排入大气。

性能特点

1. 结构紧凑，占地面积小；
2. 生产能力高，单位能耗小；
3. 自动化程度高，操作简单方便；
4. 对物料的适应性强，可对水泥、电力、建材、冶金等行业的多种物料进行磨粉。

Working Principle

Ball mill production line is mainly consisted of ball mill, hopper, feeder, conveyor, bucket elevator, powder classifier, dust collector and other associated equipments, we can make different design according to customers' requirements.

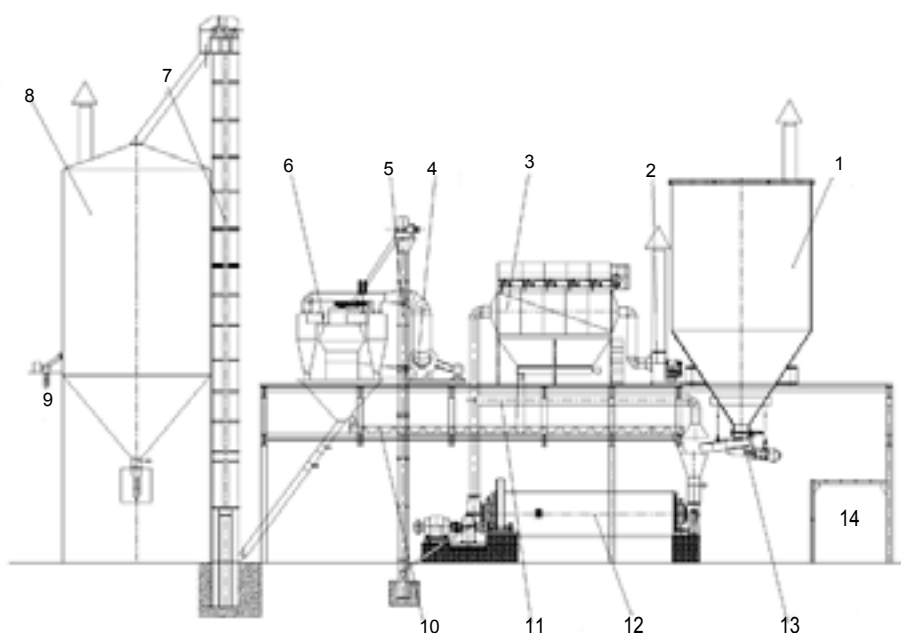
When it works, materials are evenly fed into the ball mill by the feeder at the bottom of the raw material storage, after being grinded, they outflow from the outlet and are transported to the powder classifier by the bucket elevator, after being classified, the coarse powder are sent back the mill by the screw conveyor, while the qualified powder are sent to the storage by the bucket elevator to be stored or packed. The powder dust is caught by the dust collector, and the powder is sent back to the mill to be regrind, the clean air is released to the atmosphere by the blower.

Feature

- 1.Compact Structure, less premise.
- 2.High capacity, low power consumption.
- 3.Highly automatic, easy operation.
- 4.High adaptability, can be used to grind all kinds of materials in the area of cement, electricity, building materials, metallurgy and so on.
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球磨机全套设备示意图

Ball Mill Diagram of the Equipment



- 1. 原料仓 / Raw Material Storage
- 2. 除尘器风机 / Dust Catcher Blower
- 3. 除尘器 / Dust Catcher
- 4. 分析机风机 / Classifier Blower
- 5. 半成品斗式提升机 / Semi-finished Products Elevator
- 6. 分析机 / Powder Classifier
- 7. 成品斗式提升机 / End Products Elevator
- 8. 成品库 / End Products Storage
- 9. 散装口 / In Bulk
- 10. 螺旋输送机 / Screw Conveyor
- 11. 除尘风管 / Dust Removal Air Duct
- 12. 球磨机 / Ball Mill
- 13. 电磁振动给料机 / Electro-vibrating Feeder
- 14. 电控室 / Electric Control Room