

Dry Mixed Mortar

Know-how Transfer

Mortar/Grout Production Project

Application

After many years research and experiences in dry mortar production, MUHU has established matured technology in dry mortar production, which can be widely applied in the producing of masonry mortar, plastering mortar, heat preserving mortar, high strength no shrinkage mortar, self-leveling mortar, ceramic adhesive mortar, repairing mortar. Further more, it can be used in the mixing of concrete admixture powers.

Production Line

The design of the equipment depends on customer' s various needs, which include: products output from three tons per hour to one hundred tons per hour, the automatic level such as from manual material calculating to automatic calculating, manual packing to automatic packing.

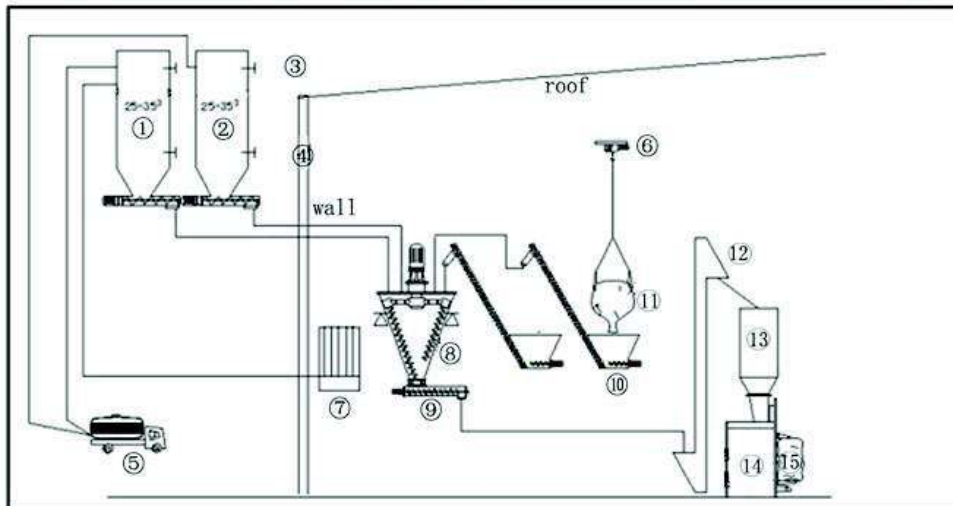
Advantages of this series of equipments:

- *Automatic measurement remarkably improves product quality;
- *Closed production greatly reduces the environmental dust pollution.
- *Automatic material transfer reduces the labor intensity and improves efficiency

The following are the common style of the equipment:

- MH-GS module-based computer-controlled mixing machine group

Second generation of cordwood system type production line for construction material



- ①fly ash tank ②black cement tank ③feeding location ④discharging location ⑤loading by pump truck ⑥Electric hoist ⑦dust remover ⑧hybrid scale ⑨blow down packing auger ⑩storehouse for packing auger ⑪container bag ⑫lift machine ⑬finished products tank ⑭valve bag packing scale ⑮valve bag

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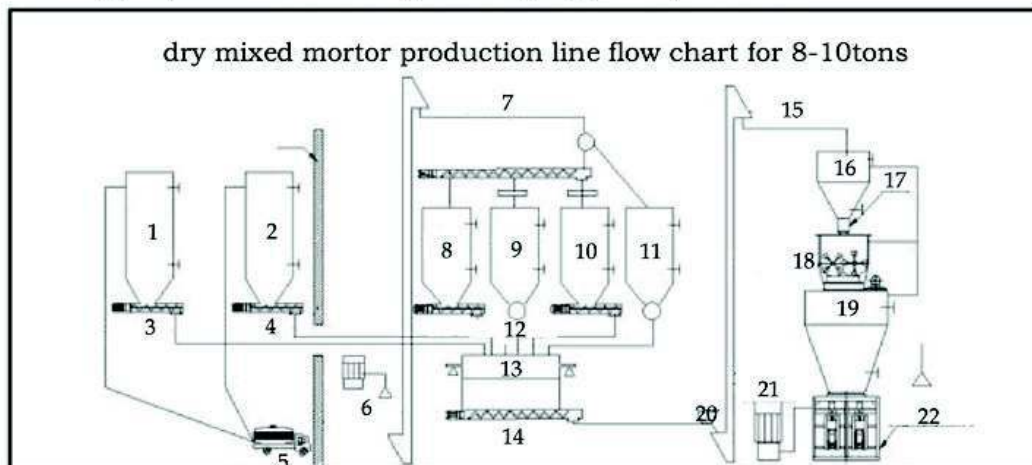
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Module-based structure of mixing machine has the following features:

- (1) It is operated by man-computer interface, with weighing transducer coordinating with PLC automatic computer feeder,
- (2) It can memorize the formula, record the historical data and print them out.
- (3) It can show the on-site location of raw material tank by computer.
- (4) Automatic measuring packing (valve bag, spacious bag)
- (5) Dust remover can improve the working environment, recycle powder material
- (6) Less space taken, flexible structure combination, low cost, available in small-lot serial production

■ MH-GS tower type dry mixed mortar mixing machine group(8-10t/h)



1. fly ash; 2. cement ; 3.packing auger ϕ 219; 4. packing auger ϕ 219; 5.loading material by pump truck ; 6. dust remover for 2000m³; 7. 36/23 lift machine ,height:10.5 meters standard height :9.2meters ; 8.lime powder ; 9.calcium carbonate ; 10.sand; 11.sand;
12. ϕ 165 PG packing auger ;13. proportion scale ;14. ϕ 219 discharging packing auger;
15. 36/23 lift machine ,height:10.6 meters standard height:9.3 meters ;16 .midbin;
- 17.valve port; 18.dual axis mixing machine ; 19. finished products tank;
20. small powder feeding; 21. dust remover; 22. double-ended valve scale

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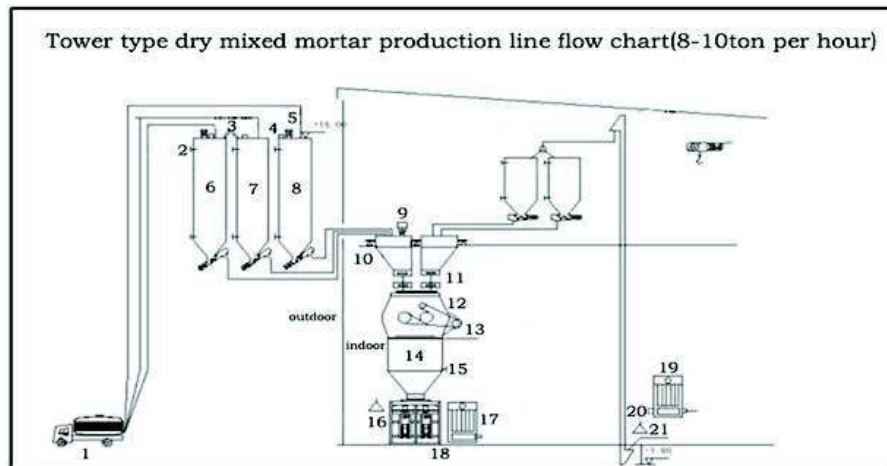
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- 1.loading material by pump truck; 2. level indicator ; 3.connecting tube
- 4.explosion-proof pipe ; 5.dust remover ; 6.fly ash; 7.cement ; 8.cement
- 9.loading port for small powder; 10.proportion scales; 11. air shuttle valve;
12. mixing machine; 13. first floor platform; 14. finished products tank;
15. level indicator; 16. dust suction port; 17. dust remover;
18. two-tip valve packing scales; 19. dust remover; 20. dust suction port;
21. feeding port.

- (1)It is operated with human-computer interface, with weighing transducer coordinating with PLC automated computer feeder.
- (2)It can save the formula, record the historical data, and print them out.
- (3)It can show the location of raw material storage by computer.
- (4)Automatic weighing and packing (valve bag, spacious bag)
- (5)Dust collector can improve the working environment, recycle powder material
- (6)Less space taken, flexible structure combination, low cost, available in size production

Production process

- Batch different kinds of raw material according to formula
- Put the batched material into the mixer
- Start the mixer and run it in specified time period
- convey the mixed products into the finished product warehouse and automatically start weighing and packing
- After quality inspection, the products will be stored in warehouse

Project investment

- Equipment cost: 20,000USD – 85,000USD (The cost will varies with customer' s requirement)
- Operator: two to five
- Manufacturing know-how: 45,000USD
- Construction period: two months
- Project services:
 - (1)Totally turn key project;;
 - (2)MUHU will be in charge of the compressive technical guidance, the facility user purchase and manufacture the devices.

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