

Production process flow for the newly-designed solid dosage production line



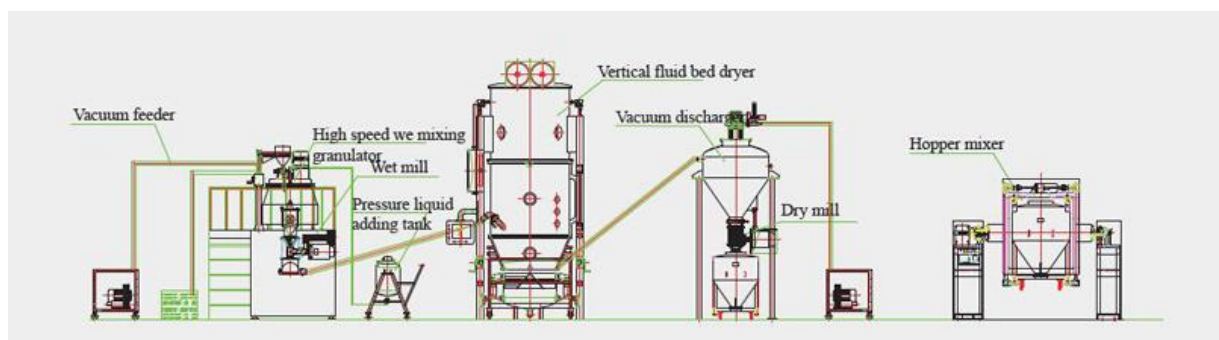
DESCRIPTION

Changzhou YIBU Drying Equipment Co.,Ltd is a professional manufacturer in granulating, drying and solid preparation equipment and so on. Combining with the characteristics of domestic solid preparation production process, our company designs the new type of solid dosage production line. At present, it is the new type online operation process which effectively combines the wet granulator with wet mill, fluid bed dryer, dry mill, material conveying, mixer and so on. It is applied for the production of granules and the pre-production progress of tablet, capsule, etc.

The process flow consists of high speed wet mixing granulator, wet mill, fluid bed dryer, dry mill, vibrating sifter, mixer, vacuum feeder, Pharma lifter and so on.

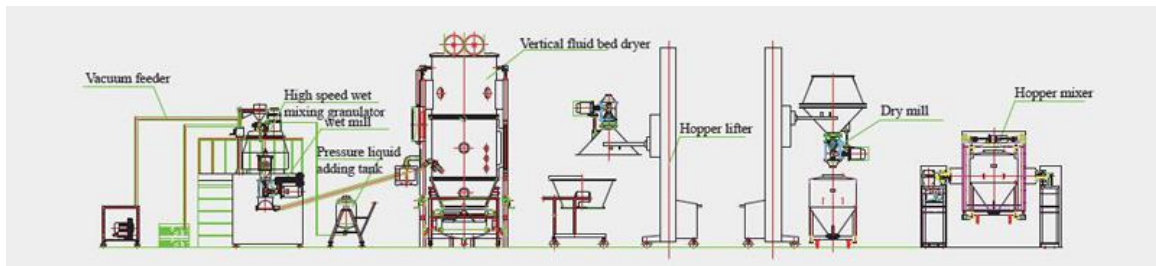
It aims at improving productivity, reducing labor, guaranteeing good sealing, decreasing the possible pollution and achieving dust-free during the production process.

Production Process Flow For The Newly-Designed Solid Dosage Production Line

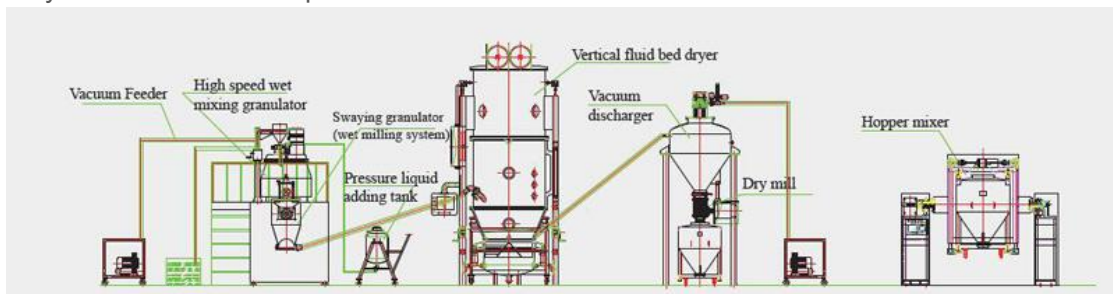


After weighing, the materials are inhaled into High speed Wet Mixing Granulator through

vacuum feeder, at the same time, the adhesive from the Pressure liquid adding tank is atomized into the high speed mixing granulator by Pressure spray gun, then mixes with fine powder and become soft material. By the force of the cutting knife , the soft material become wet granule. through the wet mill , the wet granule will become uniform .the uniform wet granule enters the vertical fluid bed dryer to be dried by the vacuum negative pressure .the dried granule will discharge out by the vacuum discharger . the dried granule will be established the size through the dry mill . After that, the qualified and dried granule will enter the hopper mixer for general mixing by the vacuum discharger .then they can continue other processes.



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high viscosity.)

Xiandao Provides You Advanced Technology Service

I. URS (User requirement standards)

Customers put requirements on the performance, technology, use and service for products, which should be established in the contract confirmed by both the manufacturer and buyer.

II. DQ (Design Qualification)

The user confirms whether the equipment chosen by the manufacturer meets the standard requirement of "medicine production quality management norms", product standards and other user demand.

III. FAT (Factory Acceptance Tests)

To ensure all indicators of the equipment are in accordance with customer requirements, after completing the equipment but before the shipment, the factory should do specific inspection on the equipment's performance, technical data and configuration. After the test, the customer should sign "Factory Testing Acceptance Record".

IV. SAT (Site Acceptance Tests)

Manufacturers should take SAT at customer site base on the requirements of the contract. if the SAT can be carried at the manufacturer's site, after the customer finishes commissioning and confirmation, the manufacturer should do package, and transport according to the requirements of the contract.

V.IQ (Installation Qualification)

Check all kinds of system for the machine after installation as well as the documentations relative to the machine .

VI. OQ (Operational Qualification)

All kinds of operation tests to ensure the device or equipment to meet the setting requirements and documentation.

VII. PQ (Performance Qualification)

Trial production test to prove the equipment or systems related to the equipment meet the setting requirements and documentation. The Newly-Designed Solid Dosage Production Line.

The Advantages of The Solid Dosage Production Line

1.In traditional granulating and drying technology, each device is set in separate rooms, so the material transfers between different purification rooms, which can't avoid the

secondary pollution phenomenon. While the newly-designed solid dosage production line adopts the way of airtight transportation, ensuring the granulating and drying to complete in the same purification room, which may avoid the secondary pollution and make the granulating and drying process more scientific and reasonable, besides, this reduces space the equipment covers and make the process meet better with the GMP requirements.

2.This machine takes full consideration of compatibility between systems. Users can adjust corresponding equipment according to customer's actual capacity and dosage forms to make the production process achieve the optimum allocation, so as to ensure the continuity and stability of the production.

3.The user can separately storage, collect and print the technical data of the Wet granulation system and Fluidized drying system through the HMI. The user can also control the parameter setting and monitoring of several sets of equipment through a control cabinet, besides, all the parameters can be set and modified, and the user can set multilevel password through the corresponding level. The main menu of the control system can reflect the working state, data statistics in real time, and reflect the equipment failure situations by fault self-diagnosis system and alarm records, which makes the production process fully automatic, and ensures the process stability.

4.The machine is able to fully show off the advantages of wet granulator and Fluidized granulator. Besides, this combination can guarantee high grain yield.

5.The vacuum feeder and pharma lifter have high automatic production capability, which may take place traditional manual operation, correspondingly reduce the labor intensity and dust pollution.

6.We can configure cleaning-in-position in many different points according to user requirements, which makes CIP more reliable.