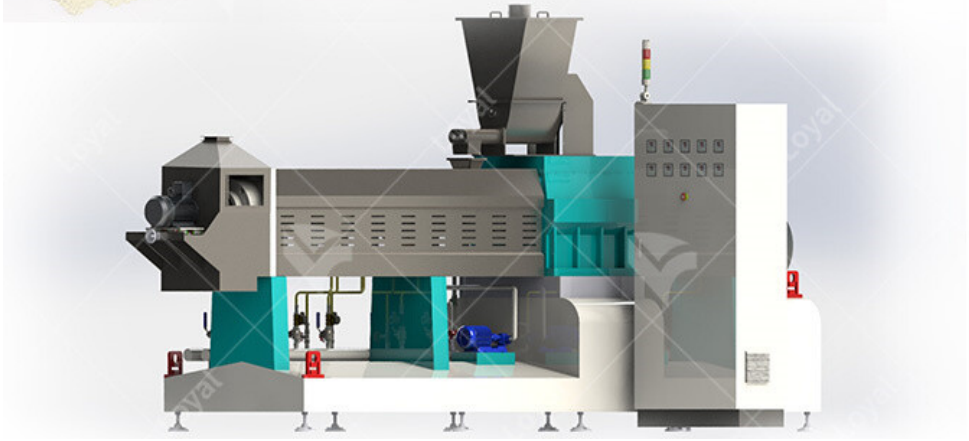
Nutrition Powder Process Line

Introdução detalhada :

Nutrition powder process line uses rice, corn, beans and all kinds of grains as raw materials. Through extruding, inflating, drying, crushing and mixing, it could produce many kinds of nutrition powder, such as baby rice powder, sesame paste, beans powder and so on.Nutrition powder line could finish all the process automatically from the feeding to the end. It has features of easy operation, without leak of powder dust, sanitation, saving energy and easy to add all kinds of raw materials and nutriment.The nutrition process line can make modified starch,denatured starch,pre gel starch by changing different designed barrel and screws of twin screw extruder.Modified starch is widely used in textile,food process,oil drlling,paper,construction industries etc.





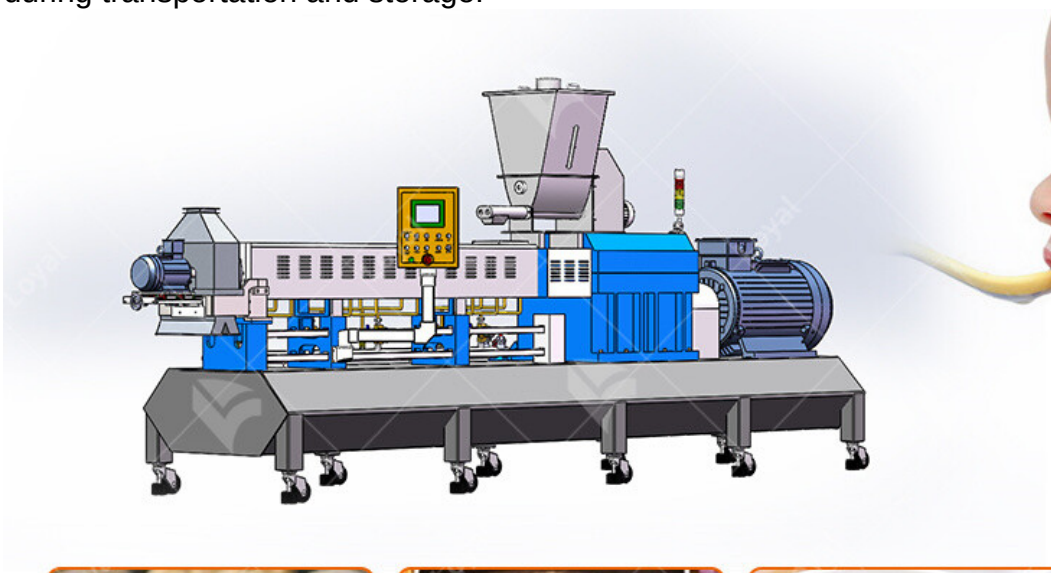

The Flowchart Of Nutrition Powder Process Line

1.Screw Conveyor --- 2. Ribbon Mixer --- 3. Screw Conveyor --- 4. Double Screw Extruder With Cooling System --- 5. Air Conveyor --- 6. Drying Oven --- 7. Air Conveyor --- 8. Crushing Machine With Dust Pelletizing System --- 9. Air Conveyor --- 10. Blending Mixer --- 11. Packaging

The Function Of Nutrition Powder Process Line

1.Screw Conveyor: Screw conveyor can not only convey on the level but also by any angel these materials can be conveyed in the stainless steel roller without leaking, dust pollution; meanwhile it can send the self-mixer to the feeding machine or the conditioner and directly send the discharge

hole of the inflating extruder.
2.Ribbon Mixer: The powder is mixed with other ingredients to create a homogeneous blend. The mixing process is important to ensure that the powder has a consistent nutrient profile, texture, and flavor.
3.Double Screw Extruder With Cooling System: The powder is mixed with other ingredients to create a homogeneous blend. The mixing process is important to ensure that the powder has a consistent nutrient profile, texture, and flavor.
4.Air Conveyor: Used to carry products to the next device.
5.Drying Oven: After extrusion, the product is dried and cooled to remove any moisture and improve its shelf life. Different drying methods can be used, including spray drying, freeze drying, and oven drying.
6.Crushing Machine With Dust Pelletizing System: Grinding the extruded granules into required sizes of powder or smaller granules with the help of mesh screen.Two mesh screens are provided for free.
7.Blending Mixer: The powder is mixed with other ingredients to create a homogeneous blend. The mixing process is important to ensure that the powder has a consistent nutrient profile, texture, and flavor.
8.Packaging: Finally, the dried powder is packaged in a suitable container and labeled for distribution. Packaging is an important step to ensure that the product remains fresh and free from contamination during transportation and storage.






The Parameter Of Nutrition Powder Process Line

Model	Installed Powder (Kw)	Powder Consumption (Kw)	Output (Kg/h)	Size (L*W*H)
LY65	88kw	62kw	120-150kg/h	19000*1200*2000mm
LY70	142kw	99kw	200-250kg/h	24000*1200*2000mm
LY85	160kw	130kw	300-500kg/h	28000*1500*2000mm
LY90	220kw	154kw	800-1000kg/h	29000*2500*2200mm
LY95	220kw	154kw	1000-1500kg/h	30000*2500*3500mm

The Advantage Of Nutrition Powder Process Line

Consistent Quality	Nutrition powder process lines are designed to ensure consistent product quality, which is critical for the safety and efficacy of nutrition powders.
Increased Efficiency	These process lines are highly automated, which increases efficiency and reduces the risk of errors during the manufacturing process.
Versatility	Nutrition powder process lines can be used to produce a wide range of nutrition powders, allowing manufacturers to respond to changing consumer demands.
Cost Savings	By automating the manufacturing process, nutrition powder process lines can help reduce labor costs, which can lead to significant cost savings over time.
Enhanced Product Safety	Nutrition powder process lines are designed to meet strict safety and hygiene standards, which can help reduce the risk of contamination and ensure the safety of the final product.

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