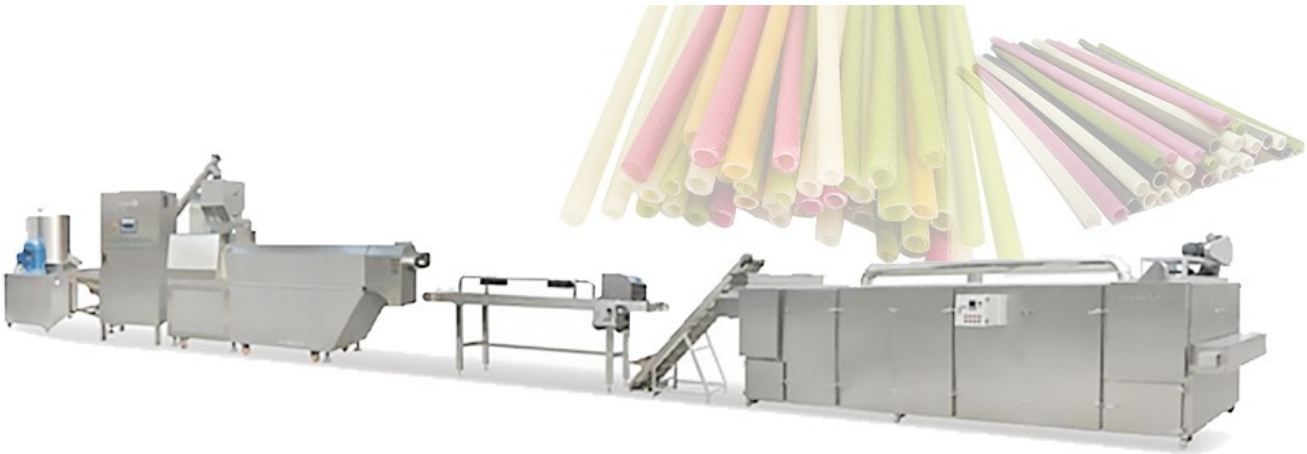
Do You Know The Degradable Rice Straw Production Line Equipment?

The surface of the rice straws is smooth, strong and flexible. Compared with ordinary plastic straws, the rice straws can be eaten directly. The raw materials can also be adjusted to make straws of different colors.

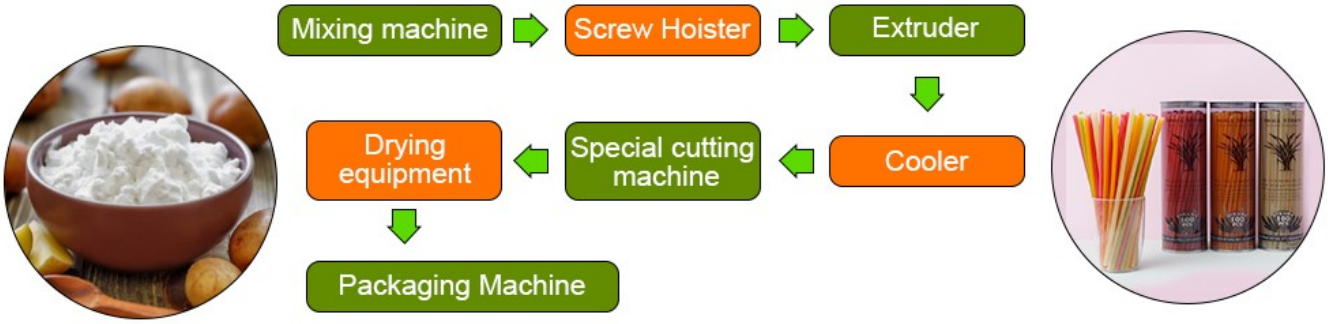
1. Introduction of rice straw production line

The rice straw is made of rice and cassava (cassava is the raw material for making pearls in bubble milk tea, which can make the straw strong and tough, and the surface is smoother), which is made by the puffing extrusion process. Its appearance is the same as ordinary plastic straws. The surface of the rice straws is smooth, strong and flexible. Compared with ordinary plastic straws, the rice straws can be eaten directly. The raw materials can also be adjusted to make straws of different colors. The rice straw made by the extrusion process can be soaked in hot drinks for 2 to 3 hours, while in cold drinks it can last longer, up to 24 hours.

In addition, the rice straw produced by Shandong Loyal Industrial Co., Ltd. is completely degradable, which is more eco-friendly, and can be used as a substitute for plastic straws. It will not pollute the environment like plastic straws, and it also meets the requirements of multinational regulations.



2. Production process: raw material configuration--raw material mixing--extrusion molding--hot air drying--cutting



3. Equipment configuration of rice straw production line:

Mixing machine ? feeding machine ? extruder ? cutting machine ? hoist ? multi-layer oven ? cooling conveyor ? packaging machine

4. Process composition of rice straw production line:

?Flour mixing machine: separate rice noodles or mix with some additives, add a certain amount of water and mix well.

?Feeding machine: The motor is used for screw conveying, and the mixed raw materials are conveyed to the feeding hopper of the extruder to ensure convenient and fast feeding.

?Extruder: There is a special control cabinet, which can extrude rice particles in a high-pressure environment, adjust the process and change the mold to produce rice grains of different shapes.

?Cutting machine: single cutting according to size.

?Hoist: The product is transported to the oven, and the height of the hoist is determined by the oven.

?Multi-layer oven: the oven is mostly electric oven, the temperature is adjusted by the control cabinet between 0-200 degrees, the inside is stainless steel double-layer mesh bag, the baking time can be adjusted according to the speed, minus the particle moisture, and increase the shelf life;

?Cooling conveyor: the dried particles contain a certain temperature, and the packaging quality can be guaranteed by cooling to room temperature.

5. Pre-sale service:

Establish user files, get in touch with customers, introduce the technology and equipment of the factory, understand user needs, recommend corresponding equipment, implement sample

materials and relevant technical preparations, and improve technical parameters.

In-sale service:

Provide users with relevant drawings and technical materials, coordinate the installation and construction of users' equipment, and inform users of production speed and production quality. Ensure that user engineering progress is synchronized with equipment manufacturing. Handle emergencies and maintain good communication with users.

After-sales service:

?Send personnel to the user to guide the installation, and be responsible for debugging until delivery.
? Responsible for the operation and maintenance skills training of relevant personnel of the user.
?Provide spare parts for a long time.
?The warranty period of the equipment is one year. If the equipment is damaged due to the quality of the equipment within one year after acceptance, it is responsible for free maintenance.