

Fried chips snacks processing line

Quick-frozen French Fries Production Line Full-automatic French Fries Potato Chip Processing Line is a fast-moving snack made with special sweet potato processed through several processes. It is a traditional fast food in western countries and has been processed for hundreds of years. French fries are crispy and crispy, delicious and nutritious, and are loved by young people. Ketchup and French fries are a perfect match, and fries sales have become the top spot in the snack industry.

First, let's understand the processing process of French fries: increase feeding ? cleaning and peeling ? rinsing line ? picking line ? lifting feeding ? slicer ? rinsing starch ? blanching color protection ? wind blowing drain ? frying line ? wind blowing oil ? Seasoning?picking line

Frozen French Fries Production Line [Automatic French Fries Potato Chip Processing Line](#)

Features:

Lifting feeder

1. Equipment model: TSJ-3000 type.
2. Equipment size: 3000*1000*1200mm.
- 3, mesh belt width: 1000mm.
- 4, motor power: 0.37kw / Taiwan
5. The plate is a 2mm thick stainless steel plate with a material of 304.
- 6, the mesh belt is stainless steel woven mesh, the support frame is 50*50mm square tube, the material is 304 stainless steel

Cleaning and peeling machine:

- 1, model: QP-1800 spiral type. 2. Equipment size: 2000*840*900mm. 3. Motor power: 2.2kw. 4, the discharge is automatic discharge.
- 5, the brush is a hard brush.
- 6, the top has a water sprinkler device, the pipe is stainless steel pipe, the pot body is thick 2mm stainless steel plate

Bubble cleaner (cleaning potato chips attached to the surface of potatoes)

1. Model: PXJ-3500*1000*1100mm. 2, mesh belt width: 800mm, the material is stainless steel 304. 3, air pump power: 3kw.

4. The pot body is a 2mm thick stainless steel plate with a material of 304.

5. The bottom of the pot body is equipped with a bubble cleaning pipe, which can effectively remove the dander from the surface of the product after peeling.

Picking line:

1, model: TJX-4000 type.

2. Equipment size: 4000*600*1000mm. 3, mesh belt width: 600mm. 4. Motor power: 0.37kw.

5, the conveyor belt material is white PVC nylon belt, easy to clean

6, the support leg is 50*50mm square tube, the side plate is thick 2mm stainless steel plate, the material is 304

Hoist:

1, model: TSJ-800 type

2. Equipment size: 2000*800*1350mm. 3, mesh belt width: 800mm, scraper type spiral mesh belt

3. Net bandwidth 800mm, scraper type spiral mesh belt

4. Motor power: 0.37kw / Taiwan

5. The side plate and the mesh belt bracket are both 304 stainless steel plates, and the height of the device can be adjusted.

Slice cutting machine:

1, equipment model: QP-1800 type

2, the size of the knife door: 200x55mm.

3, the thickness of the slice can be 0.5-7mm.

4. Speed (number of reciprocating times of the tool holder) 300 times/min.

5, motor power; 2. 2kw.

6, the nature of work; continuous work.

7. Dimensions: 960x540x950mm.

Bubble rinsing machine (removing starch from the surface of the product)

1. Equipment size: 4500* 1000* 1350mm.

2. Mesh belt width: 800mm.

4. The pot body is made of 2mm thick stainless steel plate and the material is 304.

5. Install two drain valves at the bottom to remove the residue in a timely and effective manner.

6, motor power: 1. 1kw

7. There is a bubble cleaning tube at the bottom of the pot body, which can effectively remove the free starch on the surface of the object.

Blanching line:

Equipment size: 5500*1000*1350mm

Mesh belt width 800mm

The power is: 1. 2kw.

The mesh belt speed can be adjusted.

Heating method: pipe steam heating, automatic temperature control.

The top has a heat shield and is made of stainless steel.

The pot body is made of 2mm thick stainless steel plate, and the outer shell is 1mm thick.

The rust steel plate is insulated by an aluminum silicate board between the inner liner and the outer casing.

Two drain valves are installed at the bottom to remove the residue in a timely and effective manner.

A steam heat exchanger is installed at the bottom of the pot. (Vapor pressure 0.3-0. 7MPa.)

Mesh belt parameters: single-layer mesh belt, the style is spiral scraper type, the total width of the mesh belt is 800mm.

The mesh belt bracket is made of 2.5mm thick stainless steel material and is made of 304.

The bearings and housings are made of stainless steel.

Wind blower

Equipment size: 3500*800*850mm

The total width of the mesh belt is 800mm

Mesh belt in the form of a spiral mesh belt

Mesh belt and mesh belt bracket are made of stainless steel 304

Net belt speed is frequency control

The mesh belt bracket is equipped with a leak-proof guard plate to prevent the product from leaking from the chain gap.

4 axial fans are installed on the top of the mesh belt bracket to blow up the surface moisture of the product.

Netting under the mesh belt

Deep frying line:

Equipment type 6500*600mm

Fried products: French fries

Fried line heating method: electric heating or gas heating

4 rated power 160kw

5. Frying temperature 170°-190°

6. Frying temperature control range 0-300° (set according to user's actual needs)

7. Mesh belt width: 600mm

8. Mesh belt form: scraper type spiral mesh belt

Because the product will float, it has a double mesh belt to suppress

Pot part:

1. The pot body is made of 4 mm thick stainless steel plate and the material is 304. 2. The shell body is made of 1 mm thick stainless steel plate and the material is 304. 3. After the pot body is welded, the water leakage test is carried out to ensure no leakage. 4, the main body of the pot is made of stainless steel and other materials in line with the food industry. 5. The aluminum silicate board insulation material is installed between the pot body and the outer casing.

Mesh belt and mesh belt bracket part:

1. Net belt frequency control.
2. Net belt parameters: double-layer mesh belt, the lower mesh belt is a scraper-type spiral mesh belt, and the net belt is a spiral mesh belt, and the total width of the mesh belt is 600 mm.
3. The mesh belt bracket is made of 3mm thick stainless steel material, which is made of 304.
4. Bearings and housings are made of stainless steel.
- 5, mesh belt bracket and oil drain goggles can be independently upgraded for easy cleaning.
6. The upper and lower meshes have a gap adjustment range of 30-50mm.

(4) Exhaust smoke part:

1. The exhaust hood is formed by splicing a thick 1.5mm stainless steel plate. Oil exhaust hood and

The exhaust pipe is provided with a condensed water discharge structure.

2, the exhaust pipe is spliced together; 2 exhaust pipe, material is 304

(4) Exhaust smoke part:

1. The exhaust hood is formed by splicing a thick 1.5mm stainless steel plate. Oil exhaust hood and

The exhaust pipe is provided with a condensed water discharge structure.

2, the exhaust pipe is spliced together; 2 exhaust pipe, the material is 304.

3. The axial flow fan is installed at the end of the exhaust pipe, and the exhaust smoke regulating valve is installed at the bottom exhaust pipe seat to control the size of the exhaust pipe hole.

(5) Promotion section:

It adopts the reducer chain to lift, which is convenient for lifting and smoothing. When lifting, the

control power of the heating pipe is automatically cut off. The oil hood can be lifted separately, or - the mesh belt bracket can be lifted together to facilitate cleaning of the mesh belt and the exhaust hood. (6) Heating part: 1. Heating method: electric heating. 2, electric heating, electric heating pipe rated power of 160 kW. 3. Three temperature control instruments measure the temperature. 4. The heating tube is made of stainless steel 304.

(7) bottom scraping part:

Clean the bottom of the pot in time. The scraping mesh belt speed frequency regulation speed can adjust the scraping speed according to the amount of residue. The scraping mesh belt is made of stainless steel 304. The scraper end is installed with a slag box, which can drain the oil and clean the residue in time.

(8) Filter section:

1. The filter slag plate is installed at the discharge port end, and a cast steel high temperature pump, the oil pipe and the valve are all stainless steel.

2. External circulation coarse slag filtration system.

3. One 1.5 cubic storage tank is arranged, the bottom is tapered, and the oil can be drained.

The plate steam circulation heating tube.

(9) Electronic control part:

The electric control cabinet is made of stainless steel and has a material of 304. The main control components temperature control instruments, frequency converters and sensors are well-known domestic brands. Good working interface, easy to operate, intuitive and convenient. The main power switch uses leakage and overload protection. The frequency converter adopts Danfoss Hailipu frequency converter, the high temperature line is adopted between the electric heating tube and the electric control box, the Tianshui 213 AC contactor is used, and the temperature control instrument is produced by Gongbao. Over-temperature alarm, sensor failure, heating tube stop work, etc. can alarm.