

Automatic Bowl Capping Machine With Condiment Dispensers For Instant Noodle Packaging - 360 pcs/m



Video Showcase:

► <https://www.dasanjiang.biz/videos/bowl-capping-machine-with-condiment-dispensers.webm>

Basic Information

Machine name Type	Automatic Bowl Capping Machine	05/03/2022
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Detail

Below item 2, 3, 4, 5, and 6 are optional

No	Division	Qt'y (pcs)	Lead Time (Weeks)	Notes
1	Full-automatic heat-seal bowl cover Machine	1	20	All motion controlled by mechanical cam, free speed regulation, can be synchronized with the noodles machine linkage
2	Defective product release structure (optional)	1	20	Release Defective product of weight inaccuracy, no cover, and missing items

3	Weighing structure (optional)	1	20	Distinguish weight inaccuracy, Eunipas system, Japan
4	Automatic detecting device for leakage airtightness	1	20	Automatic detection of defective gas leakage seal
5	1 st release bowl structure on 2nd floor (optional)	1	20	Release bowl one by one , make easier for second release bowl
6	Line exchange structure (optional)	1	20	Use when change other product (only for produce 2 size products, include 120set bowl holder)

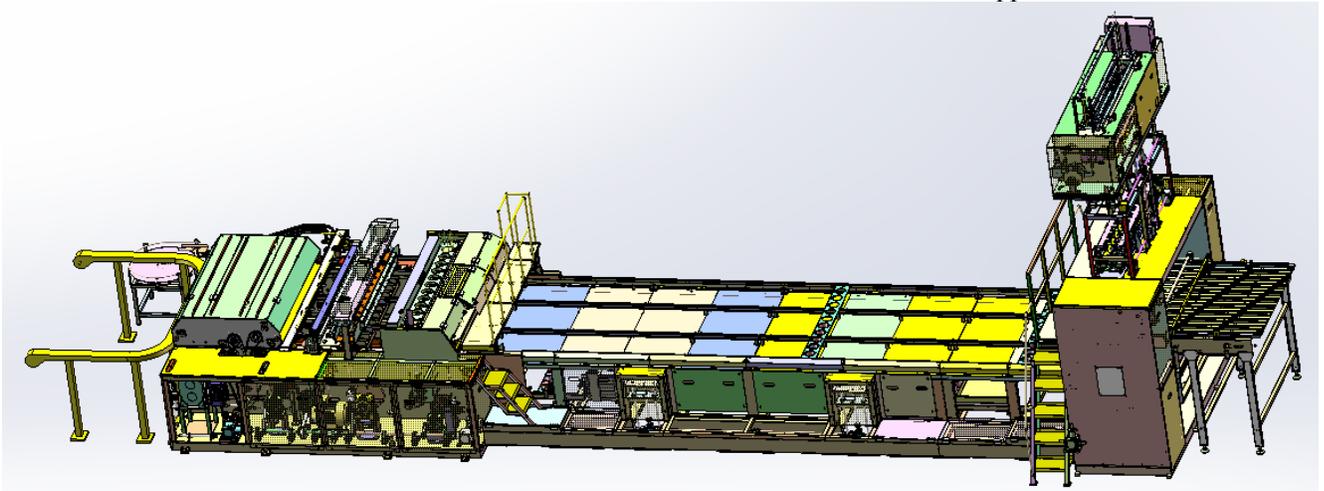
Notes:

Warranty period: One year free warranty (non-human), life-long maintenance.

Main technical parameters and configuration of the whole machine:

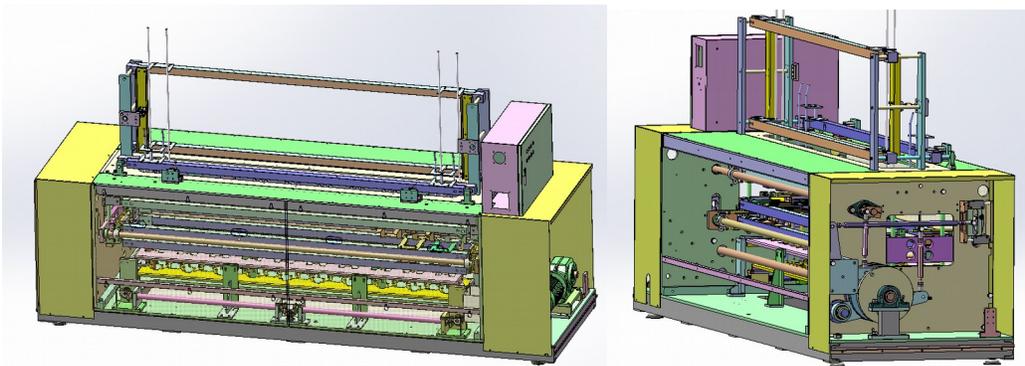
Mode Type	HYAF-07
Capacity	360 pcs/Min
Machine size (long*width, mm)	18m*6m
Net weight of complete machine	About 16000kg
Weighing accuracy (g)	±0.5g
Delivery mode of material	Automatic feeder (the machine need be purchased separately)
Main section of the whole line	1 st release bowl, 2 nd release bowl, Noodles supply, Buckle the bowl, release condiments (need automatic feeder machine), weighing , supply bowl cover, heat-seal bowl cover, Defective product check, Finish goods release, Line exchange (2 different sizes goods)
Display mode of operation	Mitsubishi touch screen
Major key component configuration of the machine	Electromotor: Sew (Germany) Power component: MeanWell (Taiwan) Conveyor: Flexible chain conveyor (China) Touch screen: Mitsubishi (Japanese) PLC: Mitsubishi (Japanese) Photoelectric switch: Panasonic (Japanese) / SCIK (Germany) Electric switch: Schneider (French) Synchronous belt: China Cylinder: AirTac (Taiwan) Bearing: MYT (China), FSB (China), NSK (Japan) Bowl main drive chain: Tsubaki (Japan)
The main material of the machine	The parts that can touch goods directly : SUS304/ aluminum alloy Frame cover that outside the machine: SUS304/ aluminum alloy/ Plexiglas plate Main supporting frame: Carbon steel paint Flexible chain: white color, food grade
General Technical Specification	Power supply: AC380V, 50/60Hz, 11kw , Air source: 0.5 ~ 0.7MPa (5 ~ 7bar) Temperature: 0°C ~ 40°C for operation, -20°C ~ 60°C for machine keep in store Humidity: 10 ~ 90%RH, Non-condensing Safe protection level: IP30 Noise: ≤75db
Notes	

Sketch map of machine



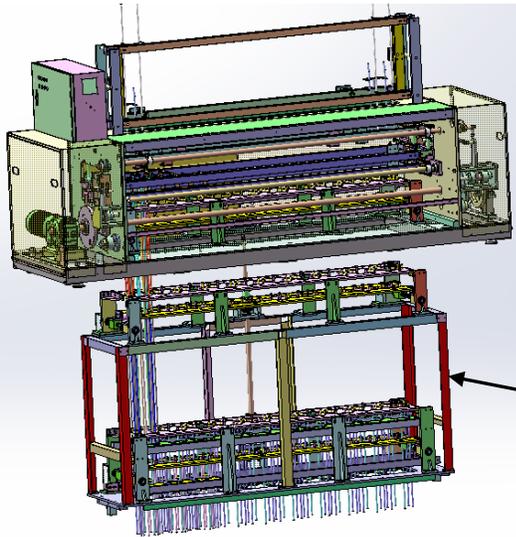
Main Structure Diagram

1st release bowl structure



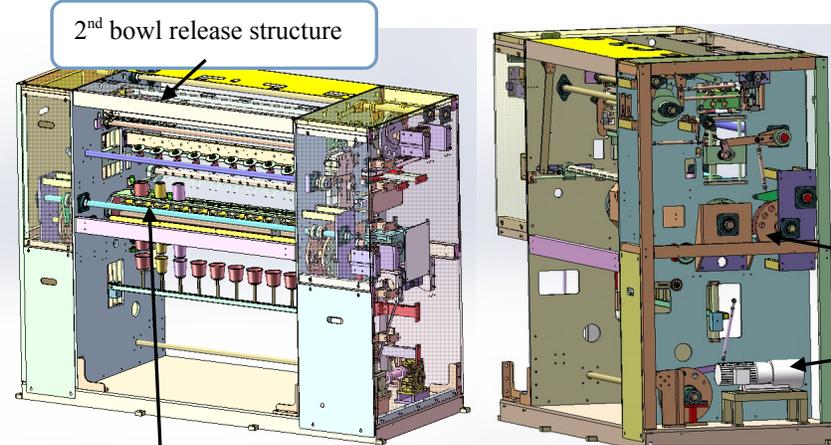
Total 5 mechanical cams

The passageway structure for divide bowl



The bowl is divided for the 1st time from above , then pass through the passageway and reach the 2nd bowl release structure , the passageway structure can be adjusted base on different bowl size

2nd bowl release, Bowl rollover structure

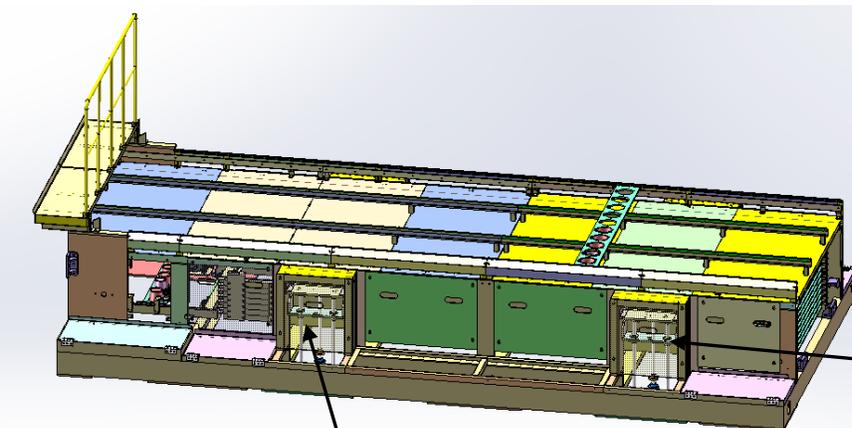


2nd bowl release structure

Total 16 mechanical cams
1 cam separator
1 vacuum pump

bowl rollover structure

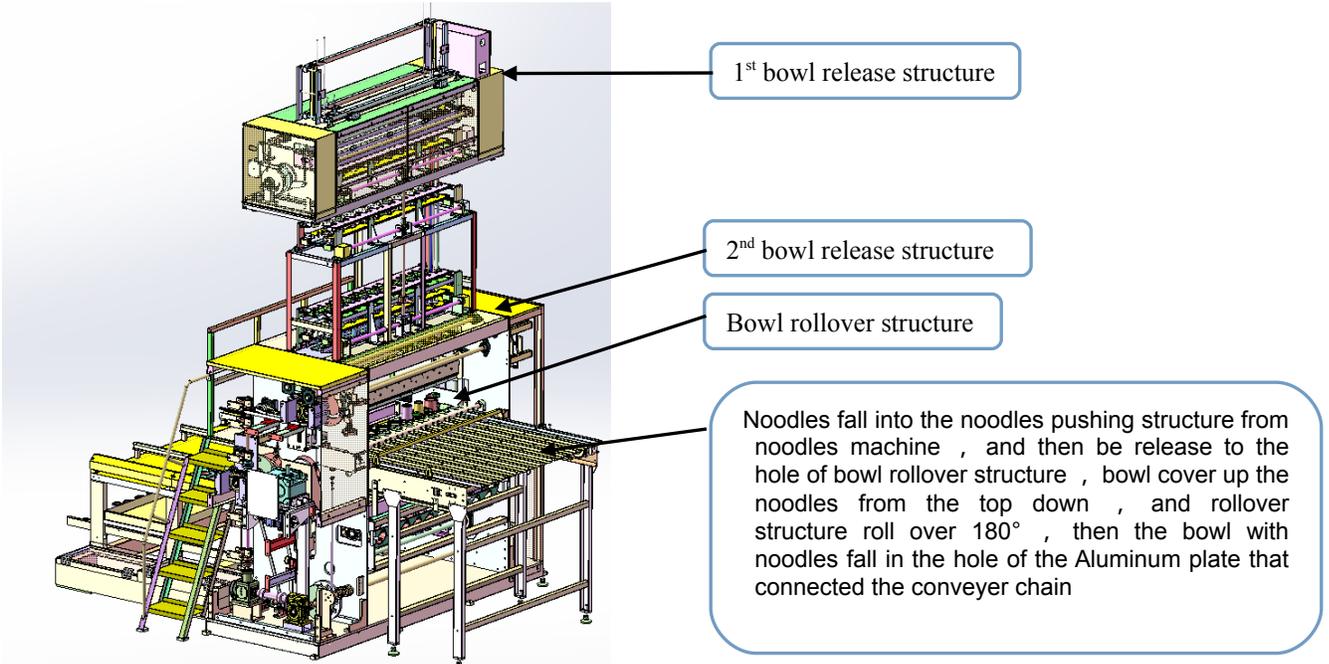
material



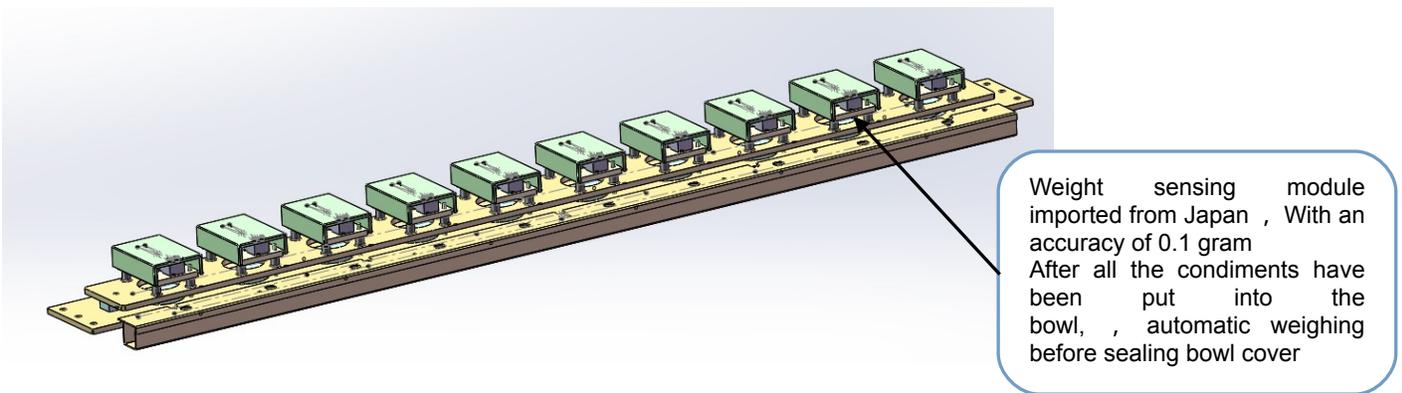
Quick line change structure

Operator can standby both side to release material , or set up automatic feeder to release material
Total have 120pcs Aluminum plate for 2nd size product inside, and with quick line change structure

Noodles pushing structure connect the instant noodles machine

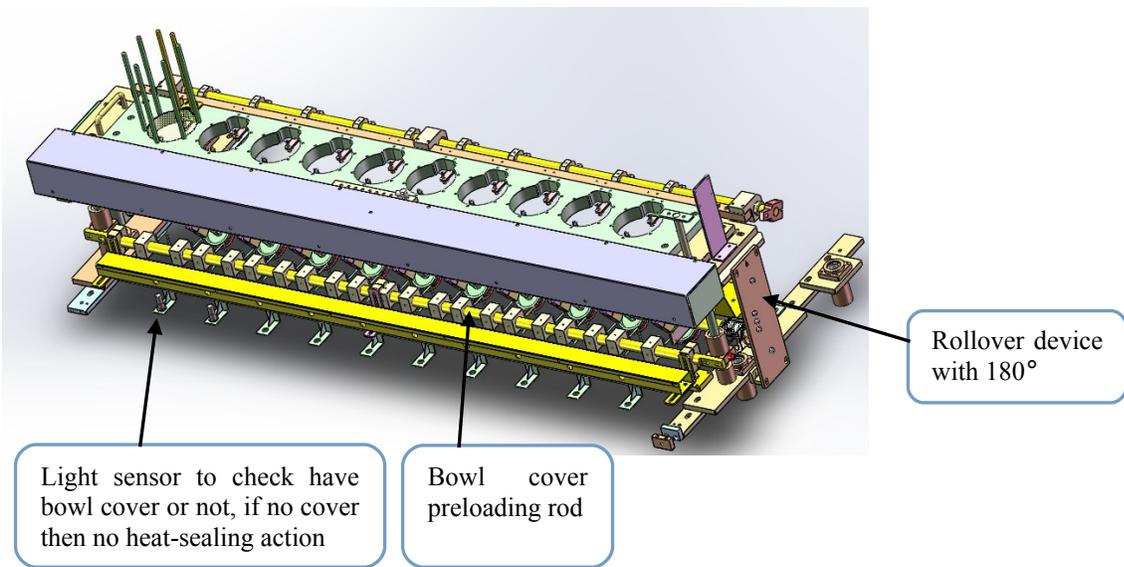
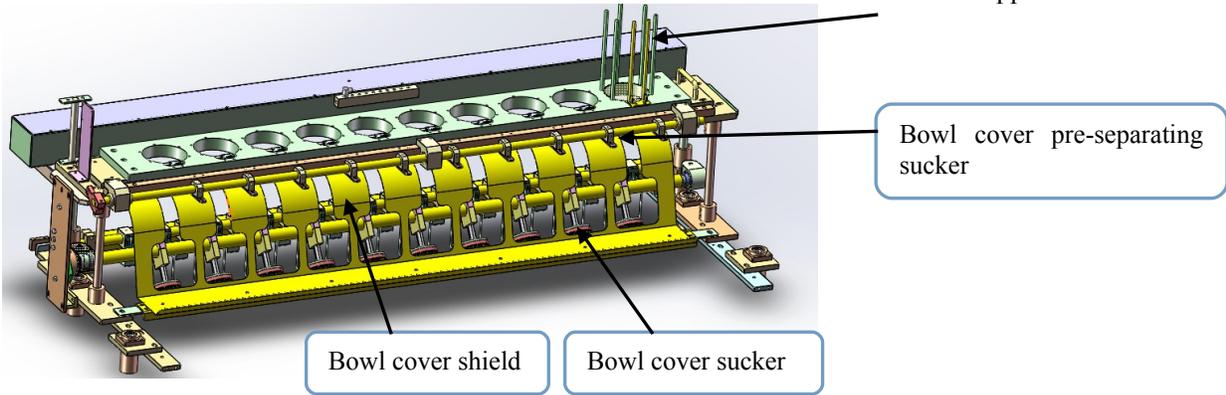


Weighing structure

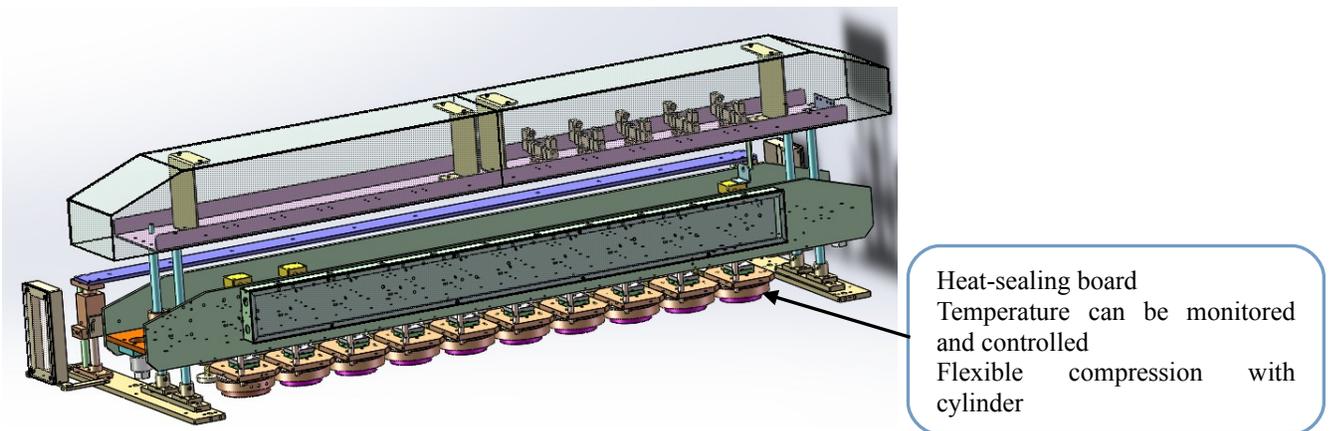


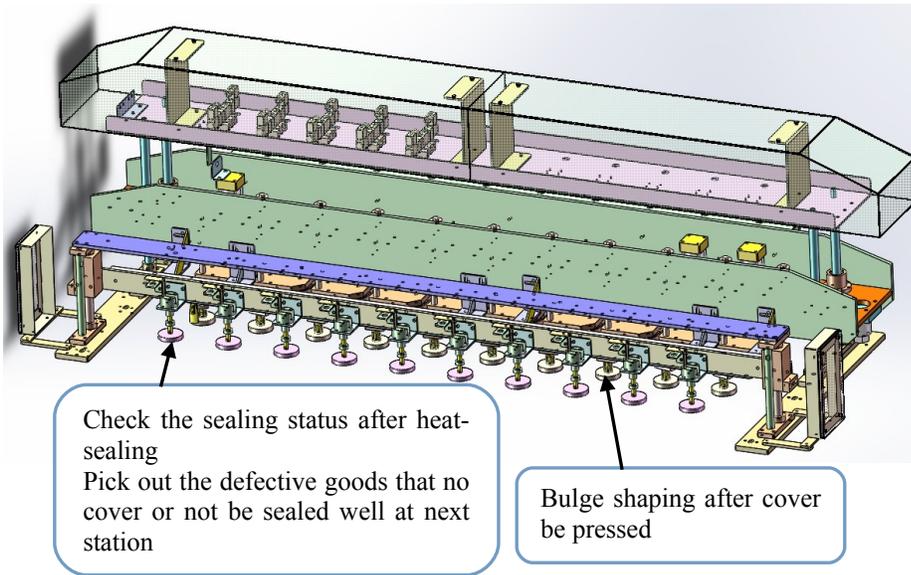
Supply bowl cover structure

Place the bowl cover

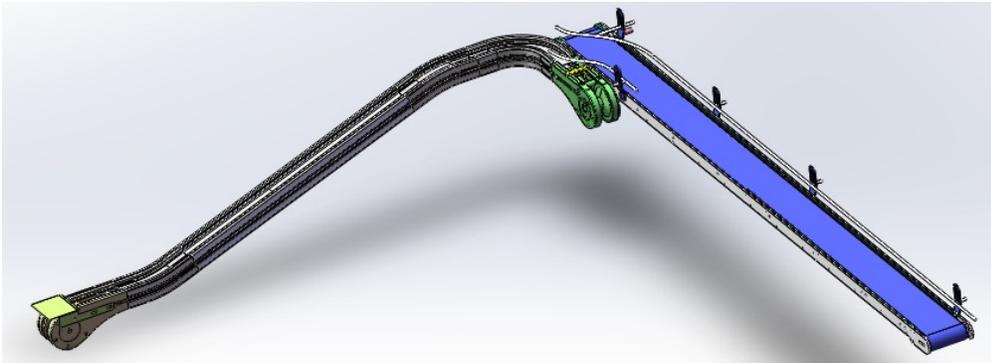


Heat-sealing bowl cover structure

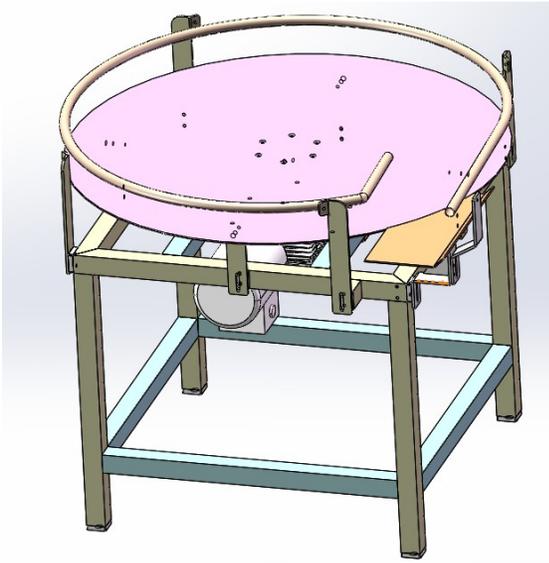




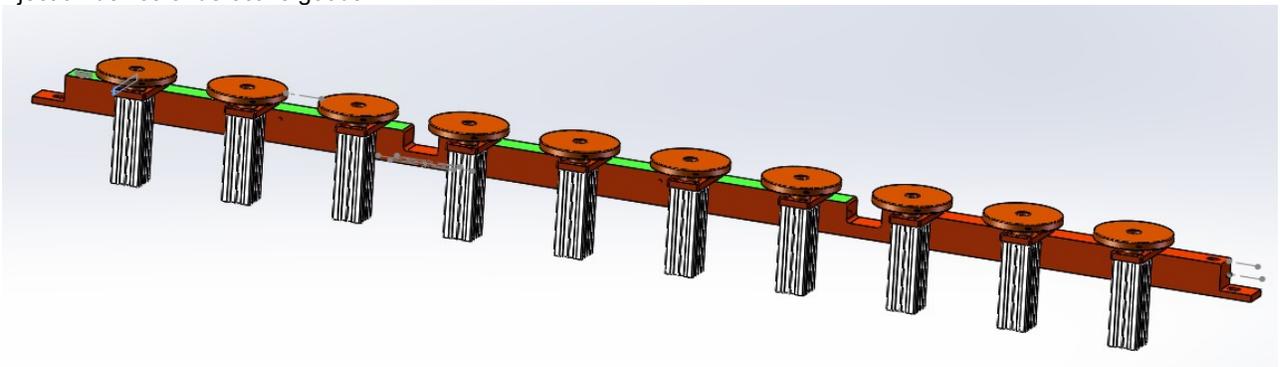
Chain plate conveyor for defective goods



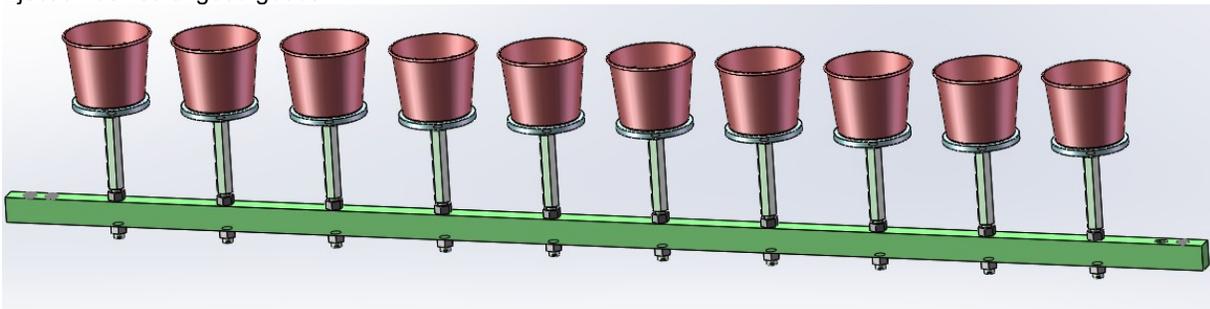
Receiving device of defective goods



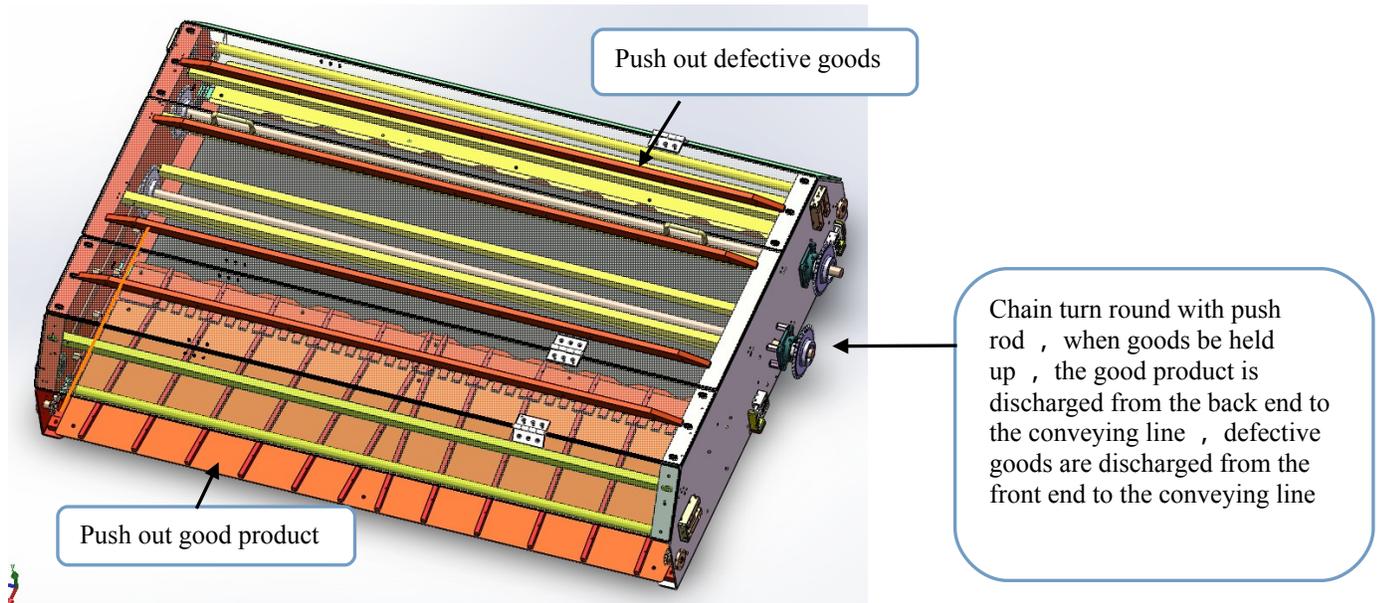
Ejection device of defective goods



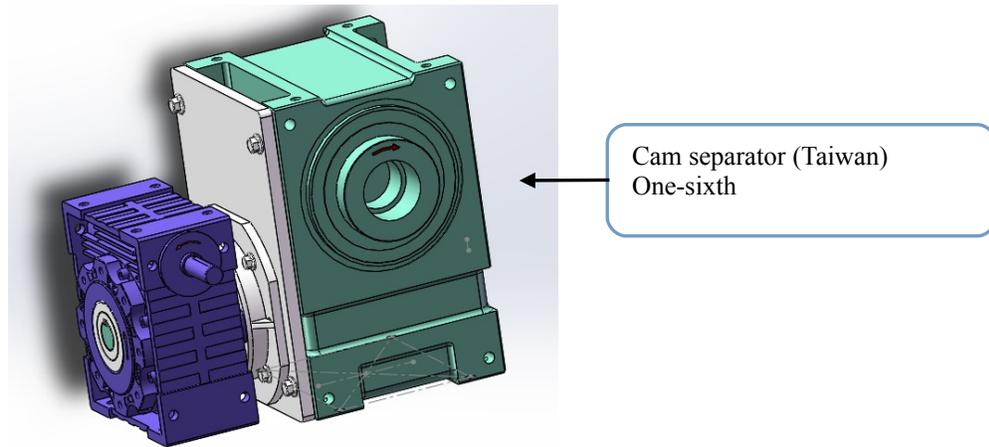
Ejection device of good goods



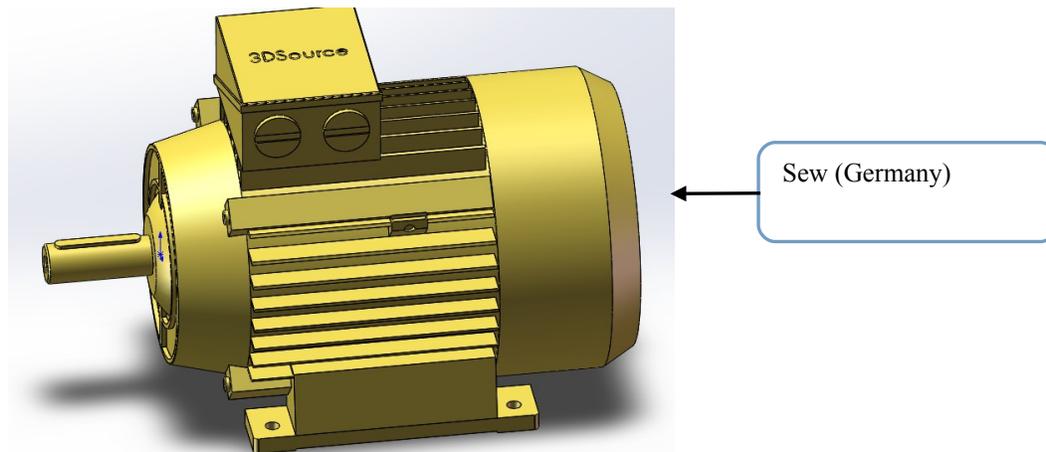
Pushing out structure of finished goods



Cam separator



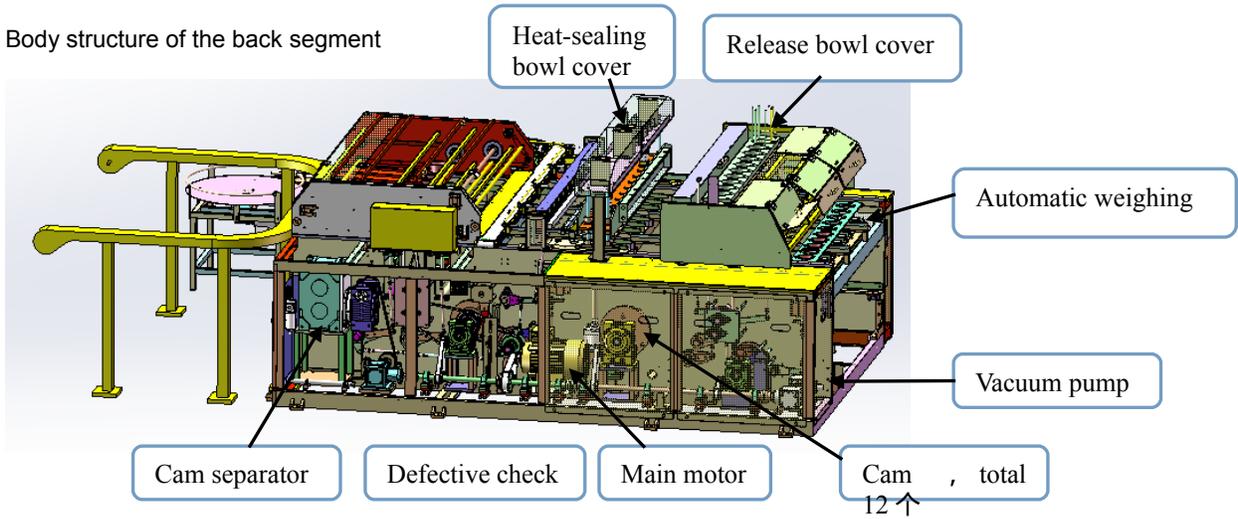
Main driver motor

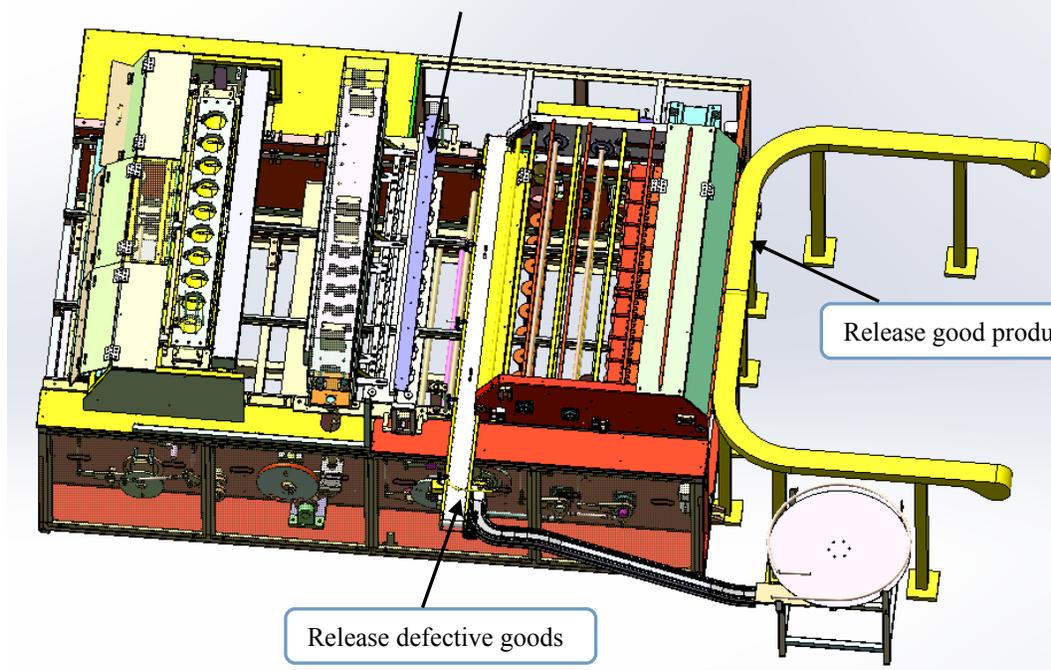


Installation and trial run, Production site



Body structure of the back segment





六, Applications and features

- 1、 Cam Mechanism design, the coordination of each movement is high under the different speed;
- 2、 Photoelectric induction on key position, identify and locate anomalies in a timely manner;
- 3、 Friendly operation interface, easy to understand;
 - **Main interface image display:** product name, weight, speed, manual, automatic, abnormally, various specifications , statistics, alarm and other information ;
 - **Easy to operation:** Using Mitsubishi color man-machine interface, SMART, humanized design, the self-fault diagnosis and prompt function of touch screen van by tapped, User-friendly on-site maintenance ;
- 5, **Communication method**
 - Main sever communication by CC-link;
 - Internet of things remote service for one year free-charge.
- 6, **It's quick and easy for system maintenance**
 - With system built-in factory parameters set recovery function, system fault detection function, IO breakdown diagnosis function, sensor fault diagnosis function, communications diagnostics function, in order to facilitate customers to quickly find the point of failure, and quick fix ;
 - 24-hour remote access online support.

Machine contour dimension

