PRAWN CRACKER PRODUCTION LINE



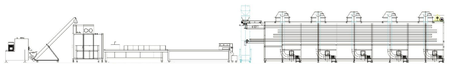
Introduction

Automatic prawn cracker production line is designed to make prawn crackers/chips, and shrimp crackers from starch mixing with high efficiency.

Professional prawn cracker making machine is to mix the shrimp powder with starch, extrude, steam, form shrimp sticks, cut the sticks, slice, and dry into shrimp chips.

This production line consists of six parts: raw material mixer, screw conveyor, Cooking extruder, Forming extruder, Bars cutter and Slicer.

The machine has a stable performance, wide application of raw materials and the need for less operators and other characteristics. Raw materials used include starch, shrimp oil, shrimp powder, shrimp pastes, etc.



- Flour Mixer
- Screw Conveyor
- Cooking Extruder
- Forming
- Bar Cutting Machine
- Slicing Machine
- Storage bins
- Reciprocating Dryer

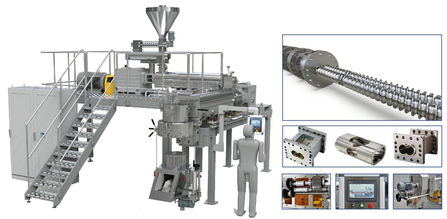
Sample



Technical Parameter

Extruder	Power	Cylinder Dia.	Capacity
LTPCM-100	20.7kw	100mm	100-150kg/h
LTPCM-400	34kw	126mm	200-300kg/h

INTELLIGENT EXTRUDER MACHINE







Introduction:

Choosing the right extruder for snack pellet production depends on raw ingredients, production scale, ingredient flexibility, and final product quality requirements:

Single screw extruder: Best for simple, cost-effective production suitable for potato based materials such as potato starch potato powder and corn starch etc.

Double screw extruder: Ideal for high-quality, versatile, and large-scale production suitable for Cereal based corn powder, wheat flour, rice powder etc

Cooking & forming extruder: Perfect for fully cooked and uniquely shaped snack pellets

Suitable for cereal based ,corn,wheat with legumes(chick-peas, lentils) etc

*Better Mixing and Homogeneity
*Higher Processing Flexibility
*Improved Expansion and Texture
* Increased Production Efficiency
* Better Ingredient Handling
*Precise Control Over Product Shape & Size
*Enhanced Automation & Easy Operation
*Versatility for Various Snack Pellets Products

AUTOMATIC DOSING AND MIXING SYSTEM



DOSING AND MIXING SYSTEM is fully automated. It enables various grain raw materials and liquid ingredients are accurately weighed and mixed.

Features: The raw material distribution system can realize the distribution of different materials to different silos, in order to achieve more accurate material ratio.

It uses high-precision weighing sensor control to ensure the weighing accuracy requirements. The variable speed feeding further ensures the accuracy of the material weight.

Various forms of storage boxes can be configured to meet different materials. Even if you need to use a variety of materials, we can customize the various shapes and quantities of storage boxes you need.

SHAKING PRE-DRYER



Our eight-layer vibration dryer is the first drying stage in pellet production line. In order to reduce the pellet surface moisture content and keep stable shape, the pellets are heated and pass onto the vibrating floors of the shaking pre-dryer. This process also avoids that they stick together.

Combined structure: it will be easy to disassemble and transport.

Vibration conveying: product not easy to stick, material will heated evenly and easy to dry.

Circulation design: it is energy saving and have high drying efficiency.

Independent moisture exhaust system is conducive to exhausting moisture and improving drying efficiency.

HIGH EFFICIENCY DRYER



Low temperature type drying machine, it is mainly for products which need to be dried under lower temperature and long drying tim e, such as pellet snacks, fortified rice, nutrition rice, cereals, corn flakes and etc.

Product safety: Equipment contact with material part 304 stainless steel, the overall use of stainless steel insulation plate.

Drying efficiency: Equipped with multiple air circulation outlet, external circulation pipe, improve drying efficiency. The oven door filling material is filled with high temperature resistant heat insulation material, which has the characteristics of low thermal conductivity, reduces heat loss and improves drying efficiency.

Easy to clean: Gusset style, each outer cover is easy to disassemble and easy to clean.

TOASTER



The Toaster is a compact and energy efficient toaster ideal for pellet snacks products.

Less loss: The Toaster even and consistent toasting with minimum damage, while efficient dust extraction maintains product quality and reduces cleaning time.

Vibratory conveying: Heavy-duty vibratory conveyor accurately controls residence time for long term reliability and counterbalanced for minimum floor loading.

Air volume adjustment: Hundreds of hot air tubes are built in to impact the material with hot air of adjustable air volume.

Pellet
Engineering Solution

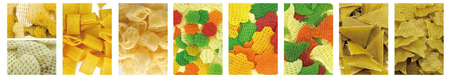
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SAMPLE

Double layer 3D pellet



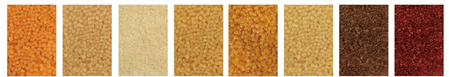
Die-cut 2D pellet



Multigrain pellet, tube/chips



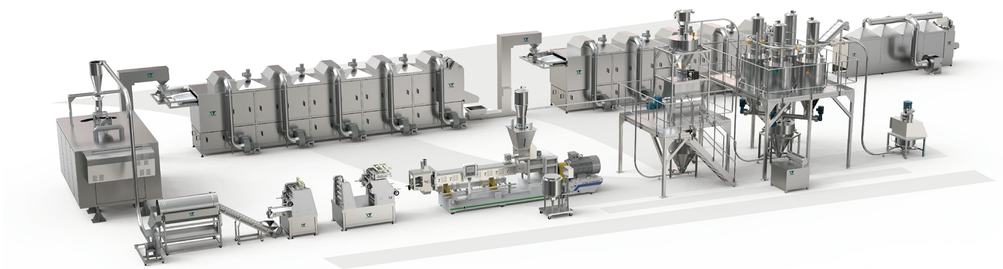
Micropellet

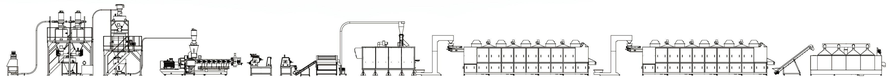


Technical Parameter

Extruder	Output	Extruder	Output	Extruder	Output
ETT65	150-200kg/h	SLT68D+J100	100-150kg/h	ETT65-20D+J150	300-400kg/h
ETT78	200-400kg/h	SLT70H+J130	200-300kg/h	ETT78-20D+J180	400-600kg/h
ETT98	400-600kg/h	SLT85+J180	400-500kg/h	ETT98-20D+J200	600-1000kg/h

PELLET ENGINEERING SOLUTION



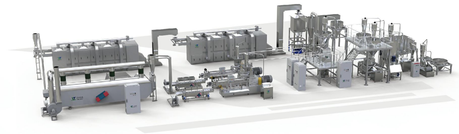


- Dosing and Mixing System
- Double-screw Extruder
- Punching machine
- 3D forming machine
- Separation drum
- Pre-dryer
- Two ten-meter gusset plate dryers
- Cooling

This Pellet Snacks Process Line is the process of mixing, extruding, shaping and drying to produce dried and semi-processed pellet snacks, it can produce many different product type, such as double layer 3D pellets, die-cut 2D pellet, multigrain pellet tube or chips, micropellet and etc. The machines are designed to meet hygiene, product quality, operational efficiency and automation requirements. It can help us to meet customers process requirements exactly.

Features:
Wide choice of product shape: after change extruder mould, cutting and shaping machine, it can produce many different die-cut, double layer and multilayer product.
Widely Extruder Series: from lab capacity to large industrial capacity can be choose
Large choice of raw material: uses potato starch, potato flour, corn starch, corn powder, wheat flour, cassava starch etc as main materials,

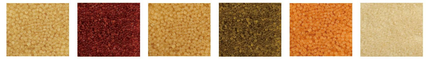
MICROPELLET EXTRUSION LINE



Introduction

Micropellet are small billets which can be used to produce puffed cakes and popped chips , to get crunchy snacks with less fat . They are growing in popularity thanks to the increased consumer focus on nutrition and healthy eating . We use twin screw extrusion technology for mircopellets , wide range of raw materials can be used , including rice ,corn , potato , pulses or multigrains , animal protein , etc .

Sample



Technical Parameter

Extruder	Power	Output
ETT65	55kw	200-250kg/h
ETT78	90kw	450-800kg/h
ETT98	200kw	1500-2000kg/h
WTT80	132kw	1000-1500kg/h

About us

Jinan Arrow Machinery Co.,Ltd was established in 2006, and located in the beautiful spring city of Jinan, the capital of Shandong Province (China). The company is the high-tech and inteligent enterprise integrating design, research and development, manufacturing and sales of various extrusion machinery and complete sets of equipment. We have been adhering to the concept of " Faithful Attitude Promise Fulfilled" all the time, and now developed into the leading food extrusion manufacturer.
With development of more than 19 years, the company's plant area has reached 22,500 square meters, and built our own R&D innovation center. We have exported to 118 countries and service more than 4,500 customer factories with over 30 years experiences in this industry, got CE, ISO9001 certificates, 30 technical patent certificates, 9 software copyrights, and successively won honorary titles such as "High-tech Enterprise" and "Contract-honoring and Promise-keeping Enterprise" . We focus on providing the professional machinery and turn-key engineering solutions of food processing industry for all customers.









JINAN ARROW
+8615169106317
www.znmachinery.com
arrow@znmachinery.com
No.7287, Airport Road, High-tech Economic Development Zone, Jinan, Shandong, China

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