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, 1S09001 certificates, 30 technical patent certificates, 8 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.













真诺机械 JINAN ARROW

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

YouTube facebook

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.

FLAKING MACHINE



The function of the flaking machine is to make the corn tablets produced from the extruder into cereal flakes. We has designed new high efficiency flaking machine to make sure the flakes get tabled, flaked at best distance.

Precise Thickness: Gap adjustable to be 0.1-0.15mm.

Product Control: 2 direction drive for qualified and non-qualified flakes discharge.

Strong power: The hydraulic system and high-strength alloy rollers can effectively extrude the cereal flakes.

Stable performance: The conveying components adopt SEW, ABB, SKF and other brand parts, and have a unique water cooling design to ensure long service life, stable performance and low cost.

HIGH EFFICIENCY DRYER



Our machines support steam，electricity, and gas heating methods. Our drying and dehydrating systems gently remove moisture from products, without compromising the flavor that nature intended.

High drying efficiency: Independent hot-air circulation chamber, drying time can be adjusted, Energy saving.

Superior performance: Modular design, convenient installation. The box -type insulation door is easy opening, easy cleaning up.

Safety: Independent humidity fan and high temperature resistant silicone seal to avoid accident, good thermal insulation performance.

TOASTER



The Toaster is a compact and energy efficient toaster ideal for breakfast cereals and similar lightweight 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. This ensures that the cereal flakes can be fully stirred during the baking process to produce perfect cereal flakes.

Breakfast Cereals

Corn Flakes Engineering Solution

Excellent Quality Prominent Service
Faithful Attitude Promise Fulfilled

CE SGS ISO IAF

真诺机械 JINAN ARROW

BREAKFAST CEREALS APPLICATIONS

Flaked cereals



Direct expanded



Co-extruded



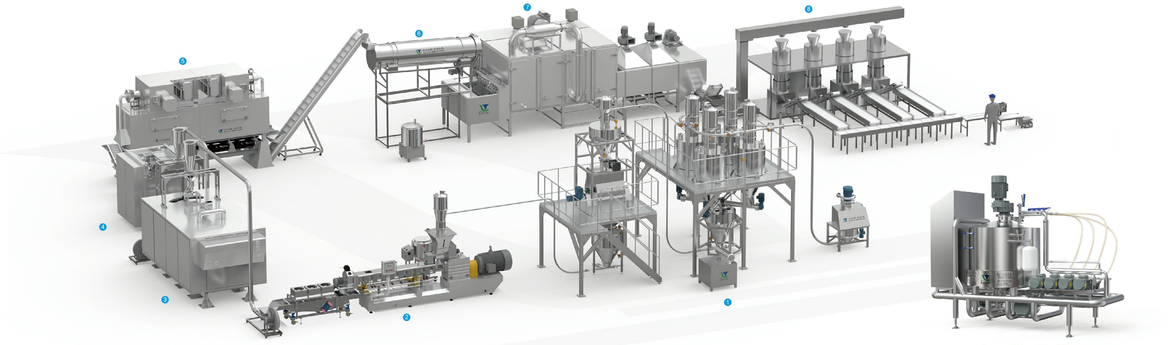
HIGH FIBER CEREALS



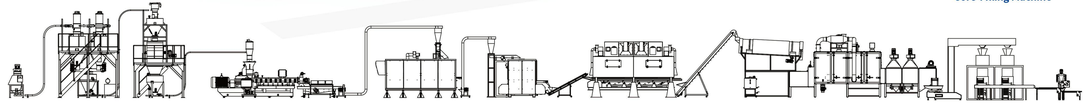
Technical Parameter

Extruder	Extruded Flakes (Capacity Up to)	Direct Expanded (Capacity Up to)	Co-extruded (Capacity Up to)
ETT36	30kg/h	50kg/h	30kg/h
ETT65	300kg/h	600kg/h	300kg/h
ETT78	700kg/h	1000kg/h	700kg/h
ETT98	1000kg/h	2000kg/h	1000kg/h

CORN FLAKES /BREAKFAST CEREALS PROCESS LINE



Core-Filling Machine



1 Dosing and Mixing System
2 Double-screw Extruder
3 Pre-Dryer
4 Flaking Machine
5 Toaster
6 Syrup Coater
7 Drying system
8 Packaging system

Corn flakes and breakfast cereal making machine produces breakfast cereal and corn flakes which is nutritional convenient and popular food.
Breakfast cereal contains abundant compound carbohydrates and dietary fibre, strengthens lots of microelements, such as vitamin and mineral, and also can be added with cocoa and sugar, like honey and maltose. It can be eaten directly after mixed into milk, yoghourt or functional drink. Children also like to eat breakfast cereal as sweet crispy snack.

Features:
* Breakfast cereal making machine produces breakfast cereals with a wide range of recipes and shapes, including corn flakes, face cut direct expanded cereals, choco filled cereals, etc.
* Raw materials mainly grain powder, like corn flour, wheat flour, rice flour, oat meal, etc.
* Double Screw Extruder Equipped with Unique barrel and modular screw design, Europe-an standard design and materials, PLC control system, ensure the production much easier and convenient.

INTELLIGENT TWIN SCREW EXTRUDER



Compared with traditional cooking methods, our twin screw extruder has the following advantages:

Multifunctional scene application

Twin-screw extruder have versatile application scenarios and a wide range of applications. By replacing custom molds or changing the arrangement of the screws to produce products of different shapes, such as small balls, circles, and moon shapes, which can adapt well to the market.

Long-term trouble-free operation

The cavity of the twin-screw extruder is a modular block design, which allows for the free addition or subtraction of cavity. The barrel bushing is made of alloy material, which has good wear resistance and ensures the service life of the machine. The heating (cooling) medium of each cavity runs and temperature is controlled independently, reducing maintenance costs.

Designed for easy operation

The twin-screw extruder is equipped with an HMI human-machine interface. All parameters of the machine are fully displayed on the human-machine interface. You can fully control the machine and modify all parameters by touching the display screen to complete various production tasks.

