

# Automatic Twin Screw Extruder Machine Production Line

Twin Screw Extruder process developed by twin screw extruder manufacturers more than 30 years, enables the continuous production of highly homogeneous and finely structured products, using bio-sourced or synthetic raw materials. It is used to produce a wide range of Food & Feed products, our multifunctional food extruder machine offer flexible, reliable processing for your breakfast cereals, food ingredients, pet food and aqua feed products.



**Product parameters of Twin Screw Extruder Machine:**

Applicable Industries: Twin-screw extrusion processing versus conventional food processing
Converter: Customizable
Capacity: 100-150g/h 200-250kg/h 300-500kg/h 300-500kg/h
Certification: CE,IS09001
Model: LY65 LY70 LY85 LY75 LY95
Voltage: customizable

Equipment Material:
304 Stainless Steel
Service Long Service Life

**Product modle of Twin Screw Extruder Machine:**

**DIFFERENT MODEL OF ORDINARY TWIN SCREW EXTRUDER FOR SALE**

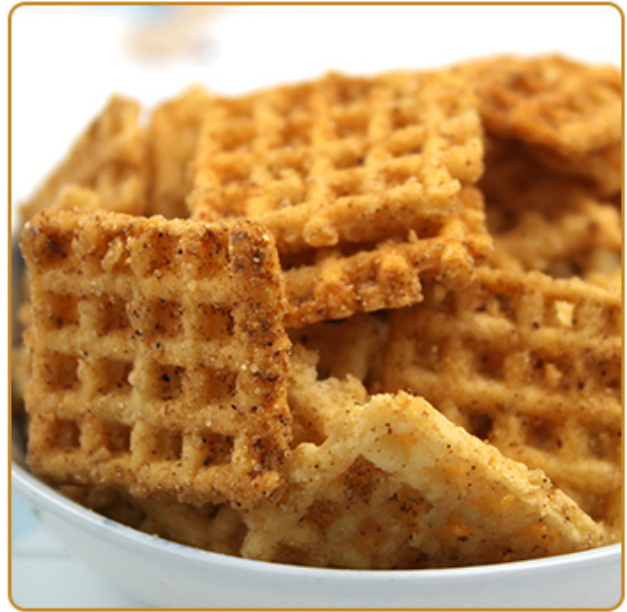
Model	Installed Power	Power	Output	Size(L×W× H)
LYP65	47kw	30KW	180kg/h	3500x950x1850mm
LYP70	53kw	37KW	200-250kg/h	3200x760x2000mm
LY70L	53kw	37KW	200-250kg/h	3200*930*2000mm
LYP85	144kw	75KW	500kg/h	1100*2350mm

**MULTIFUNCTIONAL STANDARD SCREW EXTRUDER MACHINE FOR SALE**

LY75	98KW	75kw	200-500kg/h	5200*1100*2800mm
LY95	142kw	110KW	600-1200kg/h	6400*3000*3000

**The application of a twin screw extruder.**

As a twin Screw extruder machine manufacturer, Due to a wide range of extruder screws and barrels design, a double screw extruder technology is able to ensure food extruder machine manufacturing process to produce a wide range of Food & Feed products, making puffs snacks, pet food, fish feed, corn flakes, breakfast cereals, TVP, artificial rice, Bread Crumbs, corn puff. Many factories need this machine: Food manufacturing process plant, snack processing plant, Corn Snack Extruder, Puffed Rice/Corn Machine, Food & Beverage Factory, Food & Beverage Shop.



## FUNCTION of [Automatic twin Screw Extruder Machine Line](#)

Extruding the mixture into different shapes (this machine uses different die can produce different shapes)

□ The main extruder adopts frequency speed controlling with high automation and stable performance.

□ The screws are made of the alloy steel and special craft, durable usage, high pressure, the screw life is longer. Adopting the building block structure and combining willingly according to the different demand.

□ The screws are made of the alloy steel and special craft,

durable usage, high pressure, the screw life is longer. Adopting the building block structure and combining willingly according to the different demand.

□Auto-temperature control system makes the temperature control more direct viewing and the parameter more precise.

□Self-cleaning, when stopping, it can be cleaned without disassembling.

□According to different screw design rate to full different technology request.

□This equipment has the wide material, multi-shape products and flexible collections.

The Features of a twin screw extruder.

Twin screw extruders consist of two intermeshing, co-rotating screws mounted on splined shafts in barrel. Due to a wide range of screw and barrel designs, various screw profiles and process functions can be set up according to process requirements. Hence, a double screw extruder technology is able to ensure transporting, compressing, mixing, cooking, shearing, heating, cooling, pumping, shaping, etc. with high level of flexibility. The major advantage of intermeshing co-rotating twin screw extruders is their remarkable mixing capability which confers exceptional characteristics to extruded products .



The difference between twin screw extruder and single screw extruder

#### SINGLE SCREW EXTRUDER VS TWIN SCREW EXTRUDER

1 .Capacity: Single screw is suitable for starch extrusion cooking but without puffing. The material stays in the food extruder machine for a long time; the twin-screw has good mixing and cooking ability, the material is short in the extruder, and is suitable for powder processing.

2 . processing capacity and energy consumption aspects: twin-screw extruder production, extrusion speed, unit output energy consumption is low, and single screw rod difference.

3 .Pellets become ready-to-eat snacks once they have been expanded in frying process or baking process.

4 .Snack pellets can be made with a wide variety of grains powder– corn starch, wheat starch, rice starch, tapioca starch– or potatoes starch and other vegetables powder. They can also incorporate aromas and colors in their recipes.

5 .Operational aspects: Double screw manipulation easy, process control simple, Single screw operation is relatively

complex, process control requirements are high.



Extruders has become the standard over time in several industries because it offers numerous advantages

- More consistency in production and control of product quality
- Increased productivity due to continuous processing, faster start up and shut down between product changes, quick changeover and advanced automation
- Greater flexibility, with the capability to process a wide range of raw materials
- Optimized footprint thanks to energy and water savings
- Simple and easy to maintain and clean