

# Pellet frying process line

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**Pellet frying lines** produce semi-finished expandable snack food items using the extrusion process. These pellet snacks come in a variety of colours, sizes, flavours, textures, and flavours. Pellets generally have a crispier and denser feel than directly extruded meals. Manufacturers and customers of pellet frying lines can expand semi-finished snack pellets in a variety of ways, including hot oil frying, hot air popping, baking, or roasting.

However, two of the most frequent processes for [converting](#) snack pellets into finished ready-to-eat (RTE) forms are hot air expansion and hot oil frying. The use of hot air to convert snack pellets is deemed healthful since it eliminates the use of excessive oil and the development of acrylamide.

Food items cooked and processed in an extruder and forced out through a die at temperatures below 100 °C are known as pellets frying lines. At low temperatures, the form of the dough prevents water from blowing up and turning into steam, allowing delicate shapes to be created in pellets that would otherwise be destroyed in the direct expanded extrusion method.

The Pellet frying line products for corn, potato, and tubers are extruded at 25%–35% moisture and subsequently dried to roughly 12% moisture for stability. Because the pellet frying line food product is still thick and unexpanded at this stage, drying must be done at low temperatures with high humidity to allow the moisture to escape.



## Flow chart of pellet:

1.Mixer-----2.Screw conveyor-----3.Single Screw extruder-----  
--4.Pulling and cutting machine-----5.Cooling machine -----  
-6.Drying machine -----7Automatic fryer -----8.Favoring  
line



## Feature Of Macaroni process line:

1. High degree of automation: It has a very high degree of automation, which can well meet the needs of customers and fully meet the needs of various enterprises.
2. Large output: It can realize multiple batch processing, thus avoiding problems such as equipment downtime and long downtime due to different batches. The output of the equipment is large, thus ensuring the production efficiency and quality. At the same time, the production speed of the equipment is fast, and the output can be adjusted at any time according to the output needs of different users.
3. Low energy consumption: It can effectively reduce the utilization rate of energy and achieve the purpose of saving costs.
4. Sanitation and cleaning: The equipment adopts a new type of dust removal equipment, which can well avoid dust pollution to the surrounding environment and ensure environmental hygiene. In the process of processing, a certain amount of dust will be generated. If the dust is not effectively removed, the dust will cause harm to the health of the workers.
5. Easy to operate: The device is easy to operate and easy to use, whether it is a small-scale enterprise or a large-scale enterprise, it can be easily used.

The above are the characteristics of the pellet production

line. This equipment has the advantages of large output, high efficiency and low energy consumption, and can meet the needs of various customer

