

# Development of Advanced Dog Chews

Dog chews are a functional pet chewing food.

Dog chews are usually made in the shape of bones and strips. It is a kind of snack specially designed and developed for pet dogs, because the shape is suitable for the characteristics of dogs when they play and chew.

Dogs have the need to chew and bite during their growth, and at the same time, chewing can maintain oral health and avoid the formation of dental plaque and dental calculus. In 2019, domestic pet dogs eat very little molar sticks. On average, a dog only eats 12.2 chews a year; while the United States pays more attention to dog oral care, and each pet dog takes 127 chews a year on average. glue.

## **The current status of dog chews in the world**

The amount of pet dog chews in China is very small. On average, a pet dog only eats 12.2 molar sticks a year. I will take 127 molar sticks a year. Therefore, in terms of oral cleaning products for dogs, China's concept is not perfect, and it still needs to be strengthened.

## **Advantages of dog chews:**

1. Reduce the formation of dental calculus. From a chemical point of view, dental calculus is the calcified or

calcified plaque and sediment deposited on the tooth surface or restoration surface, which is formed by the deposition of mineral salts in saliva or gingival crevicular fluid.

Starting from the reality, the most daily food for dogs is meat snacks, puffed staple food, and wet food. Easy to swallow, less opportunity to chew, less intake of high-fiber food

2. Reduce the risk of destroying furniture. Dogs have unbearable tooth itching during the tooth replacement period, and it is necessary to provide suitable teeth grinding tools. The choice of chewing food is particularly important.

If the dog spends too little time with its owner, it will develop separation anxiety, and they will bite to attract the attention of the owner. You can give it good quality dog chewing gum, which not only cleans teeth but also helps to improve scratching and biting.

3. Fresh breath, regular chewing can take away food residues left in the gaps between the teeth, and has a significant effect on solving the problem of bad breath. As we all know, herbivores do not have oral problems, because they eat high-fiber food, even in the gaps between the teeth, bacteria are difficult to decompose and absorb. Therefore, it is most appropriate to chew food that contains both plant protein and animal protein.
4. Pleasant mood. Most dog owners do not walk their dogs often enough to meet their needs under normal circumstances. Therefore, it is particularly important to divert the dog's attention and kill the boring time, so that the dog will not be depressed because of being bored at work

## The Production Line Details □

Capacity	80-100KG/h
Electricity supply	Customized according to your local electricity situation.
Machine details	1. Stainless steel, :201, 304, 316, on request. 2. Electrical components can be ABB, Delta, Fuji, Siemens; famous brands.
Certificates	CE,GOST,TUV,BV
Raw material	Meat meal; bone meal; flour and other chemical additives
Product colour	Brown, yellow, Pink, yellow, green and other colors

## Flow Chart of crisp chips production line:

1. Mixer----
2. Screw conveyor----
3. Twin screw extruder---
- 4. Cooling machine-----
- 5.Cutter-----
6. Hoister-----
7. Multi-layer Oven

## Feature Of Pet chewing food production 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 pet chewing food production line. This equipment has the advantages of large output, high efficiency and low energy consumption, and can meet the needs of various customers.