The Benefits Of Twin-screw Feed Lines

The twin screw feed production line is a kind of feed production line with two screws. It is suitable for small and medium-sized enterprises, especially for new enterprises or those who want to start business with minimum capital. The twin screw feed production line can be divided into three types: dry type, wet type and semi-dry type. The dry type is mainly used for the production of high-quality food, such as meatballs, fish balls and so on; the wet type is mainly used for making meat products, such as fish sausage and ham sausage; the semi-dry type is suitable for making snacks such as fried rice cakes and potato chips.

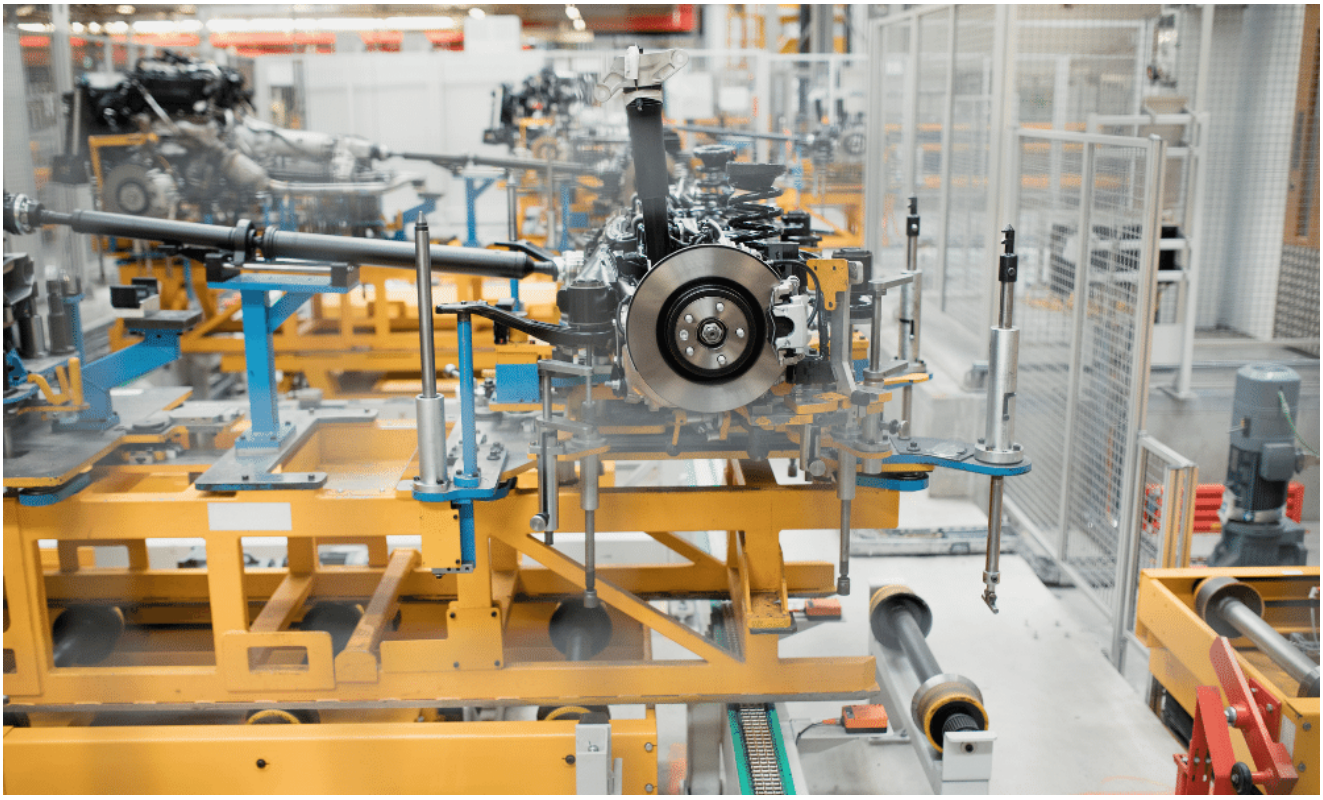
The twin screw feed production line has many advantages compared with other feed production lines.

What is Twin Screw Feed Production Line?

Twin Screw Feed Production Line is a new type of machine tool equipment, which is made up of twin screw extruder and pelletizing machine. It can produce high quality plastic pellets from the recycled plastic materials, such as waste plastics, PE, PP and PVC.

Twin Screw Feed Production Line consists of main machine, automatic feeding system and air blower. Main machine makes plastic pellets with the help of screw barrel and barrel plate. Automatic feeding system feeds material into main machine to make plastic pellets. Air blower sends compressed air into barrel to melt and mix raw materials. Raw materials are heated by the cooling water in barrel plate while they go through barrel and then they become melted material due to

shearing force of its own rotation speed. After that, material flows out the die hole at the end of barrel plate by air pressure.



Benefits Of Twin Screw Feed Production Line

How a Twin Screw Feed Production Line Works

A twin screw feed production line is a factory that produces dry products. The main purpose of this type of production line is to mix and blend ingredients, and then compress them into pellets or granules. The pellets or granules are then dried and blended into granular form. The final product goes into a bag or container for shipping.

The twin screw feed production line works by using two screws that rotate in opposite directions. One screw functions as an auger and moves the material forward while the other screw functions as a shear plate, which cuts off pieces of the

material. As each piece passes through the machine, it is crushed until it reaches its desired size.

The first step in this process is to add all of your ingredients into the feed hopper at once. The hopper holds everything until it's ready to be processed by the machine's motor. Once there is enough material in your hopper, you can begin processing it with your machine by turning on its motor and setting up your desired settings for processing speed, temperature and pressure levels.

Once you have turned on your machine's motor and set up everything correctly, the auger will start moving forward while rotating around itself at high speeds

Why use a Twin Screw Feed?

The twin-screw feed is an innovative process that helps to increase the production capacity of a mill and also improves the quality of the final product. This machine has two screws that rotate in opposite directions, which allows it to handle different materials at the same time. It is ideal for the production of both dry and wet products, as well as granules, pastes and other types of granular materials.

Twin screw feeders are available in several configurations depending on your needs. You can choose between a horizontal or vertical design, with or without infeed hopper or with different capacities. If you want to make large amounts of powder quickly then this type of equipment is ideal for you because it can handle large batches easily. However if you want to create smaller batches then you should choose a single screw feeder instead because these machines are more efficient when working with smaller batches of material like powders.

Advantages of Twin Screw Feed Production Line

1. High speed and high efficiency: The main drive is provided by the motor, and the transmission system is made up of two-way gear. Therefore, the production speed can be increased by two times of that of single screw feed production line. The conveyor belt speed can reach more than 20m/min, which makes it possible to meet the needs of high-speed production. In addition, it has a high degree of automation and a simple structure, which greatly reduces the labor force required for operation.

2. Low noise: Compared with single screw feed production line and traditional feeding equipment, twin screw feed production line has less noise because it does not need to press materials together before feeding them into the machine tool or press machine. This means that there is no need for iron plate pressing plate or iron plate pressing plate clamping device or iron plate pressing plate clamping device guide rail etc., which greatly reduces noise during operation and improves working environment for workers at the same time.

3. Low failure rate: Compared with single screw feed production line and traditional feeding equipment

Disadvantages of Twin Screw Feed Production Line

1. The feeder is not suitable for high viscosity material and small granularity material;

2. The feeding process is easy to cause scratches and damage to the surface of the product;

3. Material with high viscosity, large particle size and low flow rate are not suitable for use.

Cost of Twin Screw Feed Production Line

Twin Screw Feed Production Line is a production line for producing high-grade flour. It can process wheat, corn and other grains into flour.

The main components of twin screw feed production line include feeding system, milling system, conveying system and packing system. The feeding system has two twin screws to feed the raw materials into the milling machine. The milling machine has two separate chambers where the first chamber is for grinding the raw materials into coarse powder and the second chamber is for grinding them into fine powder. The coarse powder goes to the second chamber through a pipe after being separated by a vibrating sieve which is installed at the outlet of the first chamber. The fine powder goes to another vibrating sieve after being separated by a screen installed at the outlet of the second chamber before being sent to packing machine for packing into sacks or bags according to customer requirements.

Weighing the choices, it is obvious that twin screw feed production line has more benefits than other lines. The production efficiency of twin-screw feeding machines can be very high, and the process is steady with little noise on the whole production line. And if necessary, a host of devices can be coupled to this equipment, including those for decorating, steaming, drying and other treatments.