



Full Automatic Food Packaging Unit SGB-ZH



SGB-ZH full automatic food packing Unit is a production line designed for food packing which helps to improve the production efficiency and save the labor cost. This packing unit is available for the packing of most snack food like melon seeds, almonds, candy, pet food, etc.

Features of SGB-ZH Full Automatic Food Packing Unit

1. The core driver of SGB-ZH combination balance automatic packing unit is composed by PLC controlling system, servo power system and pneumatic execution system. Through the human machine interface of the LCD touch-screen, all the processes from weighing to counting, data printing, exhaust and output of the products can be finished.
2. The set and modify of packing parameters are all finished through the LCD touch-screen and the LCD touch-screen can store the packing parameters of ten different products which can use without reset when the products are changed.
3. This kind of multi-head combination balance automatic packing unit can use pillow-type pouch, handbag, bag with holes and other types of bags according the requirement of customers.
4. It adopted the servo motor in film-make and horizontal sealing which makes the machinery.
5. Fiber identification, signal transmission and encoder conformation are applied in this packing unit which improve the precision.
6. Compared with other combination packaging machine, it has higher accuracy and faster packaging speed.

Equipments Applied for Full Automatic Food Packaging Unit

Complete Full Automatic Food Packaging Line Working Process

1. The workflow chart of full automatic food packing line:

Raw materials → hoist and transport → store in storage silo → weigh, bag-making, filling in and seal off → output the end product → counting and package

2. Main steps of food weighing and packaging

1) Raw materials preparation

The raw materials of food packaging equipment are of many kinds such as melon seeds, almonds, pistachio nuts, candy, jelly, soy food, frozen food and other snack food. Well, all the raw materials should be complete.

2) Weight process and filling process

The raw materials are smoothly fed into the induction hoister and be transported into the storage silo of the SGJ-ZH multi-head combination weigher. The multi-head combination weigher has a wide weighing range from 10g to 5000g materials and high weighs precise and high speed.

3) Bag-making and packing process

This process begins with weigh process simultaneously. SGB Vertical bag-making packing machinery can make different kinds of bags made of PE+PET composite film according to the requirement of customers and the materials. Equipped with PLC programming device and 7" LCD operation interfaces, the vertical bag-making packing machinery are easier to operate and control. In addition, the Chinese and English menu makes it applicable in both China and abroad. What's more, the noise of the equipment is low.

4) Sealing and date printing process

The packing machinery adopts heat seal technique in sealing process and uses coding machine to print the date.

5) End product output process

After sealing and data printing, the end products are output by the 2 meters output machinery which uses strap type or scraper type conveyor.

Technical Parameters

Model	Weighing range	Weighing accuracy	Weighing speed	Material
SGJ-ZH	10-5000g	±0.1-2g	30-70 times/min	Stainless steel

Vertical Packaging Machine Technical Data

Model	Bag making range	Capacity	Bag material	Equipment noise
SGB	50-490*80-375mm(L×W)	15-45bags/min	PE+PET composite film	≤60Pa