

**SPT-120**

**Sieving Counting Machine**



**EQUIPMENT  
TECHNICAL PARAMETER**

**南京翰洋智能设备有限公司**  
NANJING HANYOO PHARMATECH CO., LTD.



# SPT-120 Sieving Counting Machine



## INTRODUCTION

Mainly used in pharmaceutical, chemical, food and other industries. It is an electromechanical integrated digital device that accurately counts and fills products such as flakes, pellets, and capsules. Through automatic counting and filling of products, productivity is greatly improved, and manual pollution caused by manual counting and filling is avoided. The machine can be used independently, and can be combined with other unsupported equipment such as bottle unscrambler, bottle clearer, paper jammer, punching machine, capping machine, sealing machine and labeling machine. Designed and manufactured in strict accordance with national GMP standards and process requirements.

## WORKING PRINCIPLE

The working process of the high-speed vibration counting machine is divided into several parts, including bottle feeding, counting, bottling, and discharging. Bottle entry: The medicine bottle is transported to the drop hopper through a conveyor belt, waiting for filling and counting. The counting plate module counts the bottle according to the bottling volume. When the bottling volume is counted, the bottle is automatically filled and dispensed.

## MAIN FEATURES

- The most advanced eccentric center shaft structure in China, with good swing effect and low noise generated by variable frequency speed regulation. The production speed and screening frequency of the host can be automatically adjusted.
- It runs reliably, smoothly, with low noise, easy operation, simple maintenance, and strong applicability. It has functions such as counting, parameter setting, and display, which can be adjusted freely within the parameter range and have a high degree of automation.
- Widely applicable, can be used for round bottles, square bottles, and flat bottles.
- Adjust the tilt angle and swing frequency of the machine head, which can be used for accurate counting and filling of various products.
- When the empty bottles have not arrived at the production station, the host is in a stopped state and automatically starts up when they arrive at the station to ensure the accuracy of counting and bottling during production.
- When there are no bottles at the bottle inlet or when there is a pile of bottles at the bottle outlet, the counting machine automatically stops running and does not perform counting work, but remains in the starting state. When the imported bottles arrive or there are no bottles at the outlet, the equipment automatically resumes counting work. The bottle blocking and separation are controlled by cylinders, which are reliable in action and easy to adjust.

## TECHNICAL PARAMETER

MODEL	SPT-120
Production (bottles/min)	20-130 ( tablet ) 20-100 ( capsule )
Bottle size (ml)	15-120
Compressed air pressure (Mpa)	0.4
Compressed air consumption (m2/min)	0.002
Voltage	220V
Power (kw)	1.75
Weight (kg)	600
Dimensions (mm)	1900*800*1800

## ELECTRONIC PART LIST

NO.	NAME	BRAND
1	electric machinery	TQG (Taiwan)
2	Photoelectric sensor	Omron
3	Frequency converter	Delta
4	Pneumatic components	Shanghai Xingchen
5	switch button	Schneider (France)
6	Main control board	PLC Delta
7	Switching Mode Power Supply	Schneider (France)
8	touch screen	Delta

A dark blue horizontal banner featuring various medical icons in a lighter blue color. The icons include a blister pack of pills, a medicine bottle with a cross, two crossed capsules, a pill bottle, two pills, a syringe, and another blister pack of pills.

# **HANYOO**

**翰洋科技**

Add:No.380 Sanqiaogeng,Gaochun District,Nanjing,China

Tel:+86-025-5621 6295

[Http://www.hanyoopm.com](http://www.hanyoopm.com)