

Semi-automatic Capsule Counting Machine



Overview

Under the driving of the vibration, the capsules pass through the regulating valve below the material container, moving forward in order and fall into counting tunnels.

When the capsule reaches raster holes, the counting photoelectric will produce a pulse signal and counting. The signal is grouped into the left and the right, accumulated and sent to the PLC.

When the set quantity is reached, the flashboard will close. At the same time, the bottle to be filled is already in its position. The funnel cylinder board opens, and the counted capsules fall into the bottle.



Then the tunnel begins another counting, the positioning cylinder opens, and the filled bottle is sent to the next process. A new bottle is placed under the funnel, a new round of counting and filling starts.




Main Technical Parameter

Model	TOPY-AEC-8C
Application	00#~5# capsule, soft capsule, <Φ22 normal tablets, special shape tablets, coating tablets, Φ3~20 pills
Capacity	20-80 bottles/min

Working Range	Adjustable from 2-9999 per bottle
Power Supply and Consumption	220V/50HZ 1.2Kw (depend on the client)
Filling Error	≤ 2‰ bottles
Material	SS316+SS304
Overall Size	1360*1300*1700mm
Weight	150KG

Description

Configuration			
No.	Name	Brand/Model/Specification/Material	Qty
1	Motor	CHINA SANKAI	1
2	Photoelectric Sensor	Germany Sick	1
3	Counting Photoelectric Sensor System	U.S Microchip, TAIWAN Photoelectric Element	1
4	Pneumatic Components	AirTAC	1
5	Leakage Protection	CHINT	1
6	Switch	Schneider	1
8	Interface	SIEMENS	1
Advantage			
No.	Picture	Description	
1	 <p>Photoelectric Detection Device</p>	The electronic counting accuracy of > 99.5% in a high dust working environment achieves by adopting the dust-proof electronic counting technology.	
2	 <p>Multi-stage Vibration Channel</p>	Different shapes and sizes of materials count through the channel vibration without the need to change any molds and components.	

3	 <p data-bbox="276 656 639 689">Sick Brand Photoelectric Eye</p>	<p data-bbox="868 427 1283 461">Accurate counting, no omissions.</p>
4	 <p data-bbox="300 1037 616 1066">Adjustable Filling Device</p>	<p data-bbox="722 846 1433 920">It can adjust the filling speed according to the customer's requirements, up to 15%.</p>
5	 <p data-bbox="320 1529 595 1565">Emergency shutdown</p>	<p data-bbox="708 1283 1445 1357">When encountering special circumstances, you can quickly choose emergency shutdown</p>