

DSJ-8

Visual Counting Machine



**EQUIPMENT
TECHNICAL PARAMETER**

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DSJ-8 Visual Counting Machine



WORKING PRINCIPLE

Adopting three-stage vibrating disc electromagnetic oscillation, the vibration frequency, amplitude, and waveform index can be adjusted on the touch screen, and the vibration frequency can be displayed and controlled in real time. The speed is fast to ensure fast drug particle separation speed. At the same time, the equipment adopts high-speed industrial camera dynamic scanning technology and area detection to confirm the whole particle, half particle, heavy particle, and fragmented particle based on the area, with excellent anti dust effect.

MAIN FEATURES

1. Strong compatibility, able to count and bottle solid preparations or solid particles such as tablets (including irregular tablets), capsules, soft capsules (transparent, opaque), pills, etc;
2. The accuracy is high, reaching 1 bottle \pm 1 capsule per thousand bottles, which is significantly higher than the national standard of 1 bottle \pm 1 capsule per hundred bottles;
3. Anti high dust: High speed industrial cameras have automatic fill light function, with a distance of about 300mm between the lens and the medicine particles, providing excellent anti dust effect;

4. Accurate counting: The sliding track of the medicine particles adopts a three-layer stepped design, and the medicine particles move downwards in three sections without overlapping;
5. AI detection: Visual AI achieves quality inspection of drugs on the vibrating plate (one line scan camera counts particles, two area array cameras detect)
6. According to GMP standards, the parts in contact with the drug are made of AISI304 stainless steel material, and the exterior parts of the body are made of AISI304 stainless steel material, which is easy to disassemble, clean, and maintain;
7. Equipped with an operating system displaying all Chinese dynamic graphics as the human-machine interface;
8. High degree of intelligence, with multiple detection and alarm control functions such as no bottle count and fault self check;
9. Scrap device: automatically removes bottles with counting of multiple, few, stacked, and fine particles;
10. Easy to operate: adopting intelligent design, various operating parameters can be set according to needs;
11. Easy maintenance: Operators only need simple training to operate, and disassembly, cleaning, and component replacement are simple and convenient;
12. The three-stage vacuum design completely removes dust particles between the falling layers, avoiding pollution;
13. Lifting function: Comes with lifting function, suitable for various heights of bottle shapes.

TECHNICAL PARAMETER

MODEL	DSJ-8
Applicable bottle type	10-500ml round and square plastic bottles
Filling object	Thickness 3-30mm, diameter 1-30mm, length 2-45mm
production capacity	30-60 bottles/minute (depending on bottle specifications, filling capacity, and drug specifications)
Bottled quantity setting range	1—9999
Power Supply and Power	AC220V 50Hz 0.8kw
accuracy	> 99.5%
Gas source	0.6Mpa
External dimensions	1900*1800*1750mm
weight	480kg

ELECTRONIC PART LIST

NO.	NAME	BRAND
1	electrical machinery	Maili or equivalent brands
2	Visual Numerical Control Board	Jianfeng Development
3	Look at the bottle photoelectric eye	Panasonic
4	pneumatic components	AirTAC
5	switch button	schneider
6	15 inch industrial control all-in-one computer	Xinjie
7	master chip	Adopting the original imported Italian French Electronics Company
8	switch power supply	Schneider, France
9	Shake cylinder	AirTAC
10	Gate cylinder	Japan SMC
11	Lift motor	Maili
12	High speed line scanning camera	Zhejiang Dahua
13	communication line	Green Connection
14	lens	Medweishi
15	electrical machinery	Maili or equivalent brands

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 pillbox, two pills, a syringe, and another blister pack.

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