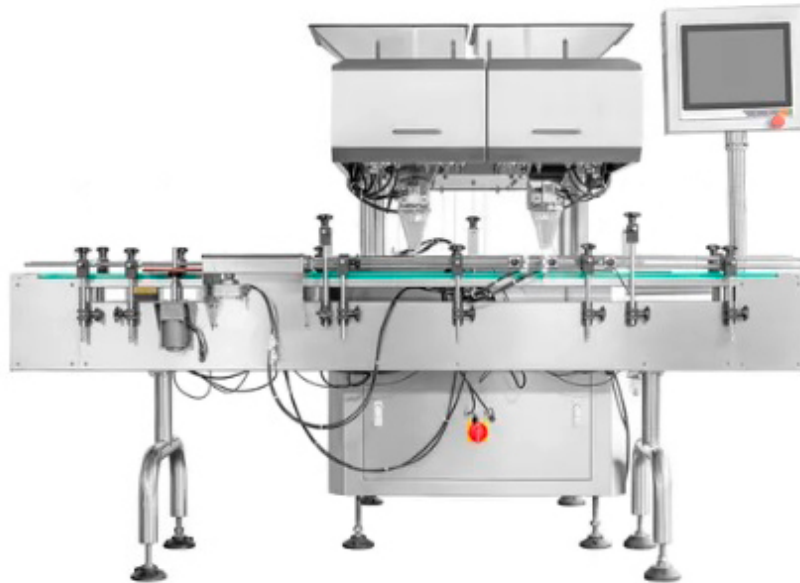


## ***Automatic 16 Channel Vibration Intelligent Visual Capsule Counting Machine PBDS-16***



This visual sensing automatic pill counting machine is an efficient and accurate drug counting equipment that can be widely used in medicine, health care products and other industries. It uses advanced visual sensing technology to automatically identify and count tablets of various shapes, greatly improving production efficiency and counting accuracy. At the same time, the equipment is simple to operate and easy to maintain, and is one of the important equipment indispensable for modern production lines.

### **Introduction**

The PBDS-16 is an efficient and accurate drug counting equipment that can be widely used in medicine, health care products and other industries. The equipment uses advanced visual sensing technology to automatically identify and count tablets of various shapes, greatly improving production efficiency and counting accuracy. At the same time, the equipment is simple to operate and easy to maintain, making it one of the indispensable and important equipment for modern production lines. This equipment has the characteristics of high resolution, double-chip recognition, particle removal, particle dust prevention, full-process recording, simple operation, stable scanning cycle, powerful human-machine interface and convenient system maintenance, and can meet various production requirements. , and help improve production efficiency and reduce production costs.

### **Feature**

- 1) High resolution: Using a CCD grain counting machine, the detection points of each channel reach about 250 imaging points, which is equivalent to a detection accuracy of 0.12mm, which is more than 10 times higher than traditional infrared sensors.
- 2) Double-chip recognition: It can accurately identify the lamination situation and determine the number of laminations by calculating the projected area. The accuracy is more than 10 times higher than that of infrared sensors.

- 3) Rejection of broken particles: By measuring the width and falling time of the medicine particles, small particles and normal medicine particles can be accurately distinguished, and about one-third of the fragments can be removed.
- 4) Anti-particulate dust: The CCD camera with backlight imaging and the automatic dimming light source can automatically increase the brightness of the light source as the dust increases, and the CCD camera is far away from the dust generation place and is not easy to be polluted.
- 5) Full-process recording: Equipped with a 32G memory card internally, it can record the projection data and production time of the medicine particles produced in the past year to facilitate product traceability and equipment debugging.
- 6) Simple installation, debugging and use: Easy to operate, equipped with video tutorials for easy installation, debugging and replacement.
- 7) Stable scanning cycle: Using an advanced quad-core processor, there is a scanning cycle for every 1mm movement, with high stability.
- 8) Powerful human-machine interface: It has functions such as device control, video playback, real-time image display and historical image viewing, and supports subsequent development.
- 9) System maintenance is convenient: the equipment can be connected to the Internet for remote upgrade of human-machine interface software, CCD sensor system and measurement and control mainboard system.
- 10) Automatic alarm for lack of material in the silo and automatic shutdown function when there is no material.
- 11) The double-axis cylinder controls bottle feeding, filling and placing, with simple structure, convenient adjustment and stable control.
- 12) The photoelectric control device automatically stops the machine when there is no bottle or the bottle is blocked, and automatically starts operation after returning to normal.
- 13) The electric adjustment method adapts to bottles of different heights and is controlled through the touch screen.
- 14) When the equipment fails, it will stop and display an alarm message, and provide operation methods on the screen for troubleshooting.
- 15) The modular design structure and cylinder locking component enable tool-less disassembly, making maintenance and repair easier.
- 16) The vibration module combined with full-wave frequency conversion and spring reduces noise level.

## Specifications

Model	PBDS-16
Number of vibration orbits	16
Maximum production speed	8000 pills/minute (depending on the size of the medicine)
Quantity	1~9999 capsules
Drug Specifications	Thickness: 3~10mm
	Diameter: 3~20mm
	Length: 3~30mm
Bottle Diameter	20~200mm
Bottle Height	40~240mm
Power Supply	AC220V 50/60HZ
Power	1.2KW
Air Pressure	0.6Mpa
Air consumption	About 200L/min clean air
Dimensions	2600×1640×1530mm
Silo Volume	70 liters
Weight	About 700kg