

DCS-50FB-C MANUAL PACKING MACHINE

PRODUCT DESCRIPTION



1. Scope of Application

It is suitable for automatic quantitative packaging of materials with good fluidity (such as: rice, white sugar, feed, plastic granules, etc.).

2. Features

- (1) Weighing instrument + PLC dual-core control technology, the number of A/D conversions reaches 200 times per second. It ensures the strict requirements of the weighing speed and weighing accuracy of the machine.

- (2) We adopt the three-sensor structure, the layout of the weighing hoppers is balanced, and the force is reasonable, which improves the service life of the machine, and is not disturbed by the vibration of the workshop machine, and has high stability and anti-interference ability.
- (3) In order to ensure food safety, we use stainless steel for feeding, weighing hoppers and parts which touch the grains, it is safe and hygienic. The interior is polished smooth to eliminate dead ends and no residual materials, preventing the remaining rice from mildew and rancidity affecting the quality of rice.
- (4) To eliminate rodent infestation and acidification corrosion, we have adopted a closed studio, and all lines, sensors, and solenoid valves have used steel wire grooves or protective iron boxes, which have also completely isolated the corrosion and wear of rice flour and water vapor on the cylinder and sensors, prolonging the working life. equipment trouble-free operating time.
- (5) External adjustment mechanism handle mechanism. The scaled handle adjustment device is used to adjust the size of the "feeding port" to the best working mode for rice with different water content and different grain shapes to ensure the weighing effect.
- (6) The cylinder works frequently and has high strength. The double-cylinder discharge mechanism developed by us solves many problems such as the high frequency of use of the cylinder, the short life of the cylinder, the solenoid valve and other components, many failures, and unstable performance.
- (7) Digital intelligent automatic lifting conveyor, the conveyor can quickly switch to the appropriate position according to different packages, and the lifting height of different varieties can be memorized.
- (8) Multi-functional sealing method, according to different packaging and different sealing forms, our standard with a sewing machine, but also be available with a heat sealing machine that can be switched by rotating, so that users can feel the convenient and easy-to-use experience.

3. Technical parameters (applicable to rice)

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|------------------------------------|---|
| Model | DCS-50FB-C |
| Display Mode | Color screen display and control |
| Weighing range | 5-25Kg |
| Weighing speed | 600~1000 Bags/Hours |
| Number of buckets (Hopper) | 2 |
| Maximum weight of a single buckets | 25kg |
| Number of load cells | 3 |
| Graduation value | 2g |
| Accuracy level | X (0.2) |
| Gas consumption | (0.4~0.5) MPa 16.7L/min |
| Power | 1.1kW |
| Working environment | Relative humidity≤90%, temperature (0~40)°C |
| Power requirements | AC220V±5% 50Hz; AC380V±5% 50Hz |
| Dimension (mm) | 3120×960×2692mm |

Remarks: The test data of rice as packaging material under specific conditions.

4. Main configuration

| Component Name | Brand |
|---|--|
| Weighing control instrument | GM or AMP |
| PLC | Omron or Delta |
| Color touch screen | Kunlun Tongtai |
| Weighing sensor | Mettler Toledo (USA)/ HBM (Germany) |
| Electromagnetic valve | Taiwan mindman |
| Photoelectric Sensors | SICK (Germany) or HYPSEN |
| Proximity switch | Omron |
| Air filtration conditioning combination | AirTAC |
| Cylinder | AirTAC |
| Sewing machine | Qinggong or Dechao |