

# DCS-10ZD2 Electronic Quantitative Packaging Scale

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## DCS-10ZD2

PACKING SCALE

### APPLICATION

Precise quantitative small packaging of granular materials in the grain industry such as sorghum, millet, mung bean, adzuki bean, melon seeds, etc.

### FEATURES

1. Multi-stage feeding mechanism high speed and accuracy.
2. With automatic drop correction function, out of tolerance alarm.
3. Material contact parts are made of stainless steel.
4. Independent double cylinder feeding.



### TECHNICAL PARAMETERS

<b>Model</b>	<b>DCS-10ZD2</b>
<b>Weighing Range</b>	0.5~10kg
<b>Bags/Hour</b>	600~1000 bags/h
<b>Division</b>	1g
<b>Accuracy</b>	X (0.5)
<b>Power/Air consumption</b>	0.2kW ,(0.4~0.5)MPa 16.7L/min
<b>Power requirements</b>	AC220V±5% 50Hz; AC380V±5% 50Hz
<b>Dimension (mm)</b>	1995×830×1850

## I. Scope of Application

Accurate quantitative small packaging for granular materials in the coarse grains industry, such as sorghum, millet, mung beans, small beans, and melon seeds.

## II. Features and Functions

1. Specially designed sealed cylinder workspace isolates rice flour, dust, and water vapor, preventing corrosion and wear, significantly extending the equipment's trouble-free operation time.
2. Independent dual-cylinder feeding system overcomes the long-standing issue of sealing ring wear common in three-position cylinder-based quantitative packaging equipment.
3. Uses a dual feeding mechanism of gravity feeding and a special vibrator, greatly improving packaging accuracy and speed.
4. The newly developed adaptive pneumatic feeding gate technology automatically selects the feeding mode based on specifications, ensuring high feeding speed for each

specification.

5. Dual-core control technology with weighing instruments and PLC, achieving an A/D conversion rate of 480 times per second, ensuring strict requirements for weighing speed and measurement accuracy.
6. Specially designed multi-stage feeding mechanism, combined with controller algorithms, allows fast packaging speed and high accuracy.
7. Manual control mode allows manual operation of material discharge and bag loosening mechanism for easy clearing of clogged materials.
8. Automatic statistics and printing functions for package count and packaging volume.
9. Parts in contact with materials are made of stainless steel, providing corrosion resistance and extending equipment lifespan.
10. Automatic drop correction function with out-of-tolerance alarm.
11. Standard configuration includes a micro printer, mobile manual lifting conveyor, and continuous heat sealer, with an optional insert-type carbon filling device.

### III. Technical Parameters

DCS-10ZD2 Technical Parameters	
Model	DCS-10ZD2
Weighing Range (kg)	0.5 ~ 15
Display Mode	Touch Screen
Accuracy Level	X(0.5)
Packaging Speed (bags/hour)	600 ~ 1020
Graduation Value (g)	1
Power & Air Consumption	0.2 kW, (0.4 ~ 0.5) MPa compressed air, 16.7L/min
Operating Environment	Relative humidity $\leq$ 90%, Temperature (0 ~ 40) $^{\circ}$ C
Power Supply	AC220V $\pm$ 5% 50Hz; AC380V $\pm$ 5% 50Hz
Overall Dimensions (L $\times$ W $\times$ H)	1995 $\times$ 830 $\times$ 1850 (including storage hopper: 2250)

#### IV. Main Components

Component Name	Brand	Remarks
Weighing Control Instrument	JIEMAN	
Programmable Logic Controller (PLC)	Omron (Japan) or Delta	
Sensor	Mettler Toledo	
Solenoid Valve	JAKI	
Cylinder	Airtac	
Touch Screen	Delta	

V. Product Diagram (Unit: mm)

