

SYNMEC

DCS-B Series Bagging Scale System

High efficient and accurate weight scale for packing grain, seed and bean

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ISO
9001:2008
REGISTERED



SGS



BUREAU
VERITAS



SYNMEC

The world top Manufacturer for Grain Cleaning Solutions
Adviser Seed Processing

INTRODUCTION

The DCS-B series bagging scale system has an ideal weighing system by adopting advanced microelectronic technologies; it provides perfect control and management of the weighing and packing process.

It's suitable for packing the granule material, such as the seed, agricultural product and chemical etc.

STRUCTURE OF MACHINE

One Semi-automatic bagging scale system includes:

- One Automatic Weighting Scale,
- One Elevator
- One Air Compressor
- One Belt Conveyor
- One Bag-sewing machine (or bag heat-sealing machine)



Technical Data

Model	DCS-5B	DCS-10B	DCS-25B	DCS-50B
Metering Range	0.5-5 KG	1-10 KG	5-25 KG	10-50 KG
Bagging Speed	Over 400 bag/H	Over 360 bag/H	Over 360 bag/H	Over 240 bag/H
Accuracy	$\pm 0.2\%$			
Working Temperature	$-10^{\circ}\text{C} \sim +40^{\circ}\text{C}$			

Note: Firstly, you should choose the bagging range, the machine can't weighting 1-50KG.

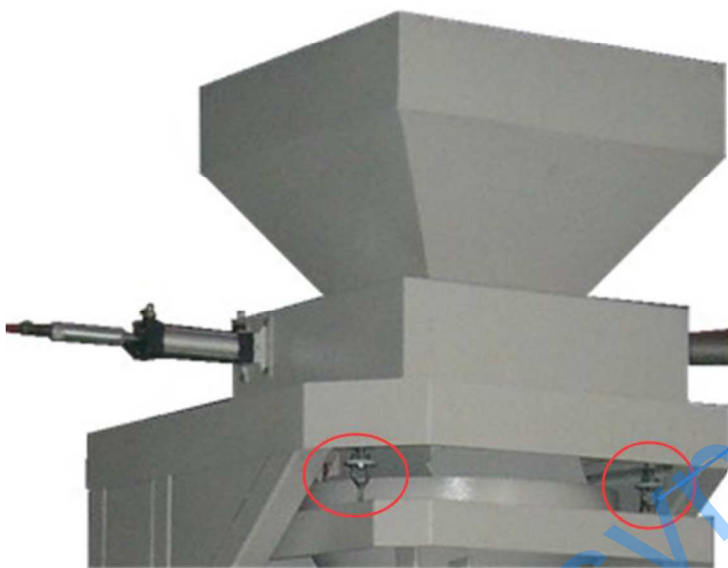
For example, if the bagging range is 10-50kg, we will use 100kg weighting sensor; if you weighting 1kg via the 100kg weighting sensor the standard error will be big.

TECHNICAL SPECIFICATION

- Accuracy: $\pm 0.2\%F.S$
- Metering range: 0.5kg-50kg
- Speed(bag/h): 120-400/h
- Zero shift: $< \pm 0.04V/^{\circ}C$
- Steelyard shift: $< \pm 10ppm/^{\circ}C$
- Sampling comparison rate: 50 times/sec
- Smallest sub-degrees value: 5

ADVANTAGES

- High calculating precision, rapid packaging speed, stable function, easy operation.
- Adopt advanced techniques on control instrument, sensor, and pneumatic components.
- Advanced functions: automatic correction, error alarm, automatic error detection.
- All components which have direct contact with bagging materials are made from stainless steel.



Big Feeding Hopper in order to put more material at one time.

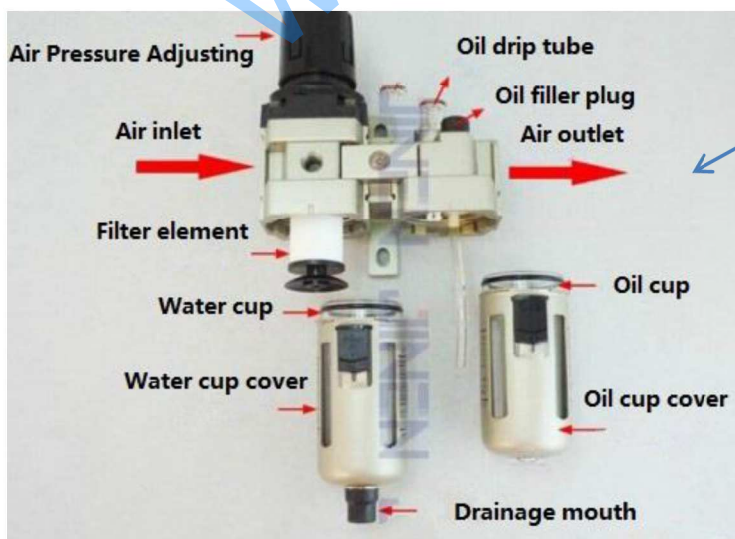


Three weighting sensors



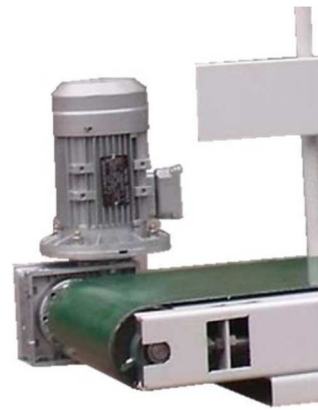
Air pressure adjusting system with air filter:

Which not only can adjusting the air pressure but also can clean the inlet air, to remove the water and oil in the air and ensure quality air go into air cylinder, this will make the cylinder a longer lifetime.

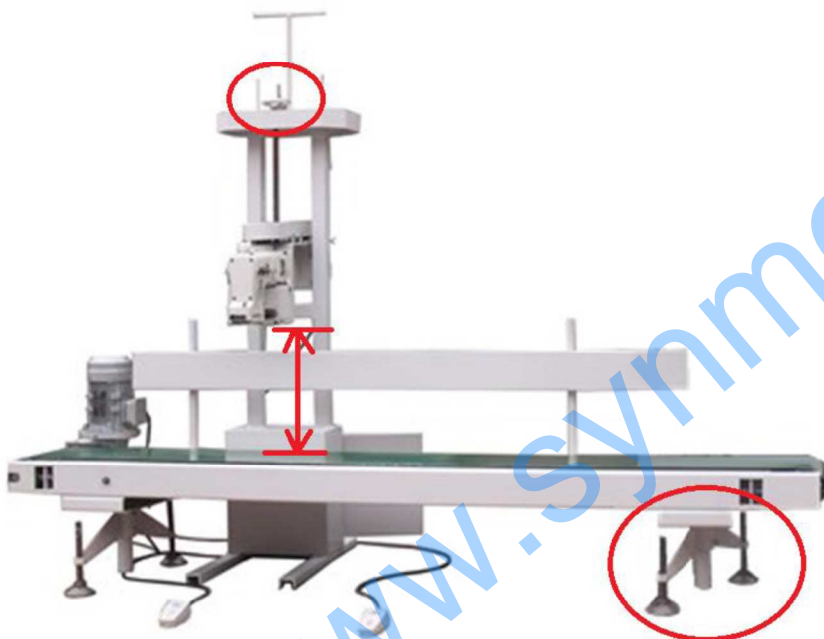




Conveyor belt, it is used for transferring bags from one place to another place.



Gear motor is belong one part of conveyor belt. It is made from China top brand electricity motor manufacturer, which has high quality and aluminous cover.



By adjusting the height of sewing machine and belt conveyor, it can use different size bags.



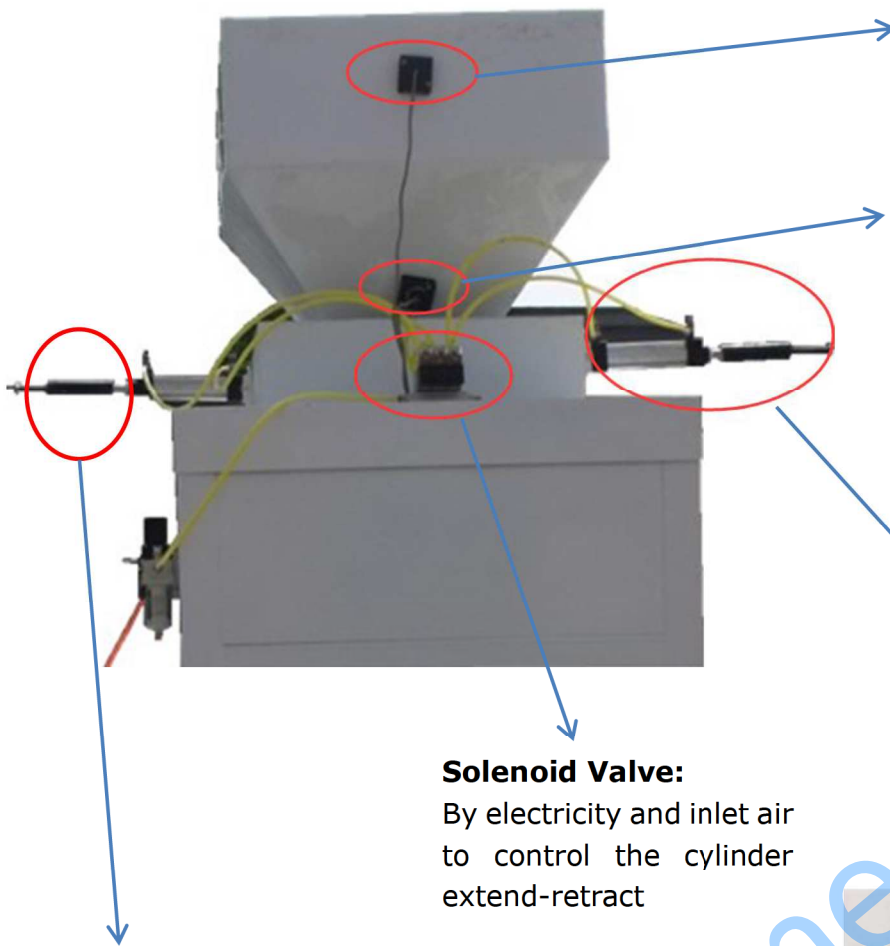
Durable Sacking Arm



Foot Switch



Air Compressor



Top material sensor:

When material reach the upper sensor level, the bucket elevator will stop feeding

Bottom material sensor:

When material reach the bottom sensor level, the bucket elevator will start feeding

Air Cylinder:

By means of the cylinder's extend-retract to control the material dropping door's open and close.

Solenoid Valve:

By electricity and inlet air to control the cylinder extend-retract

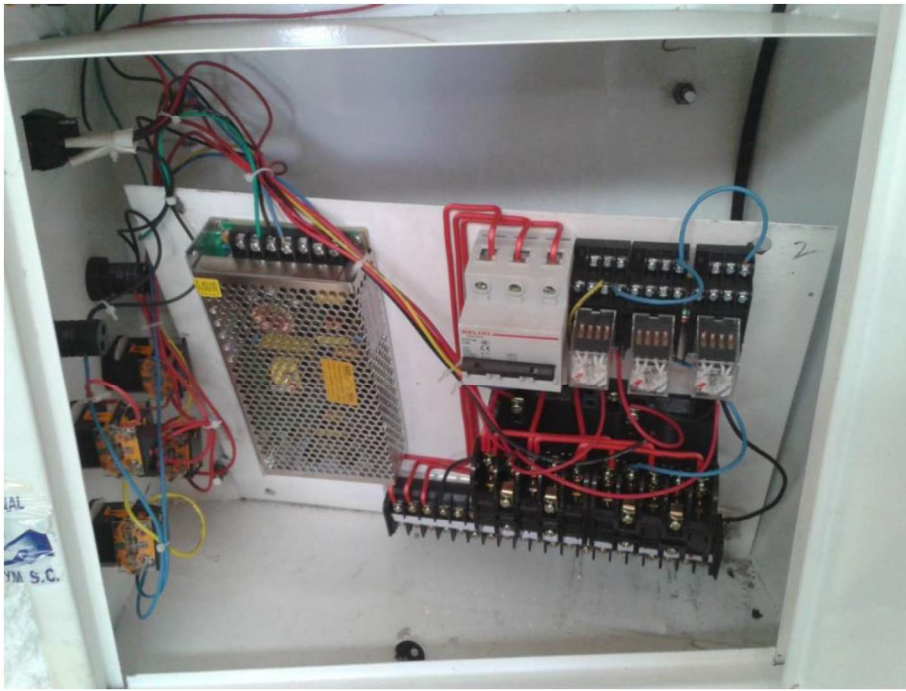
By adjusting this black sleeve, you can control the opening size of inside material dropping door, which related to the dropping time and weighting accuracy.

Accurate Meter Device, it was made from MEIDIA (the China second big manufacturer for device)

Visualization controller for user. It is easy for adjusting the machine according to different kg for bag

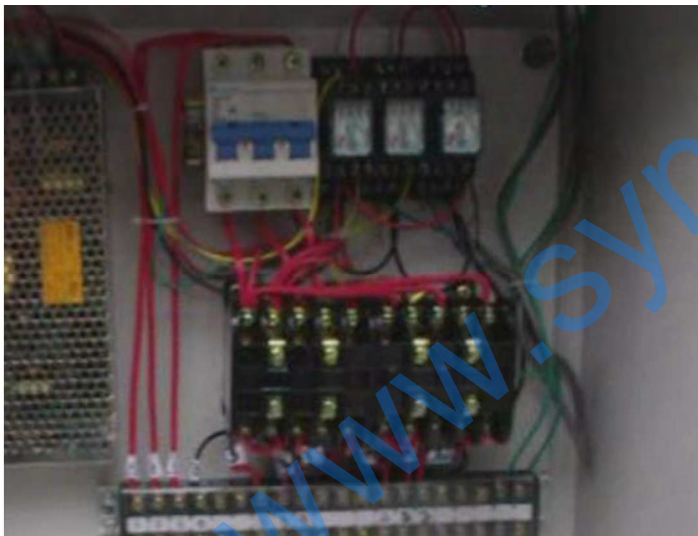


International standard power distribution



High quality famous brand electric apparatus

Professional wiring mode meet International standard and strict wiring specification



Well Protected by thick lines
and lifetime will be more
long than you thought and
fixed strongly in power box.



Power box for sewing machine,
international standard to
connecting the electric lines.

We are the best choice for you!

Factory view



We have professional manufacturing equipment!

Drilling and milling machine	CNC lathe	Laser cutting machine
		
Plasma cutting machine	Bending machine	Shearing machine
		

We can provide over sea machine assembly and staff training services!



We have strong production capacity !



One time produce 6 sets 5XZD-15AC



One time produce 33 sets QSX-85 Destoner



One time produce 40 sets 5XZ-6 Gravity Separator



One time produce 30 sets 5BY-5B Seed Coating Machine

Healthy Grain, Pretty Beans, Strong Seed. SYNMEC

We serve for



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