

ISO
9001:2008
REGISTERED



SGS



BUREAU
VERITAS



www.synmec.com

SYNMEC

5XZC-L Laboratory Seed Cleaner

High cleaning and grading performance for small quantity seeds.



SYNMEC

The world top Manufacturer Adviser for Grain Cleaning Seed Processing Solutions

5XZC-L Laboratory Seed Cleaner



Parameter reference:

Name	Laboratory seed cleaner and grader
Model	5XZC-L
Capacity	100 kg/h
Air blower power	0.55 kw
Vibration power	0.37 kw
Voltage	220V/50Hz
Vibration frequency	0-400 times/min
Amplitude	15 mm
Dimension	1500×1170×2220 mm
Air blower specification	DF-6, ,1210mmHG
Air blower motor specification	2800r/min,220V,50Hz
Vibration motor specification	YS-7124,1400 r/min

Function:

The 5XZC-L seed cleaner & grader is a precision cleaner for particulate material cleaning and grading. It suitable for separation of all seed types as grain seeds, grass seeds, flower seeds, vegetable seeds, herb seeds and so on.

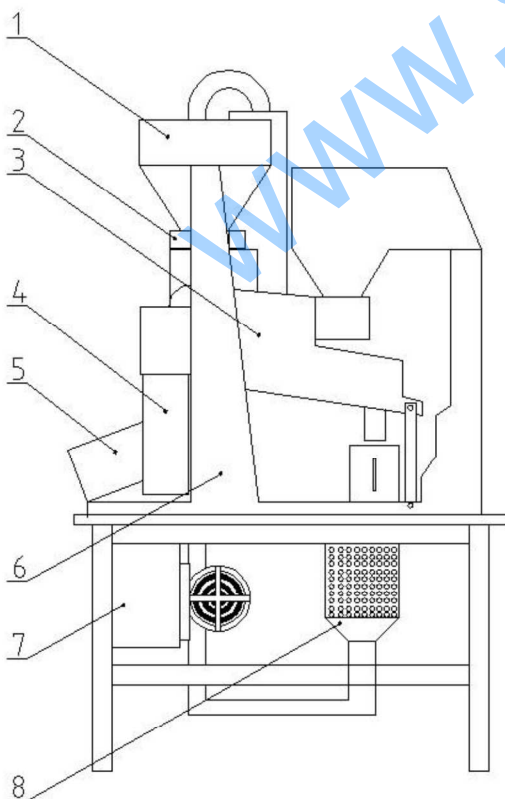
Working principle:

It is the air screen structure with front and rear air cleaning systems. In air cleaning procedure, it removes dust, light impurities and unfilled grains. Sieve trunk is equipped in three sieve layers which used to separate a very large impurity, oversize and undersize impurities. After processing, qualified seeds are obtained.

Feature:

Seed cleaning machine is mainly used for all kinds of seed processing characteristics test. It is widely also used for quantity high-value seeds cleaning and size classification. The machine is air screen structure. It with former and rear duct separating air pipes, so you can remove the dust, light impurities and blighted grains from good seeds. Vibrating sieve trunk is installed 3 sieve layers in the upper, middle and lower part. First sieve layer is used to separate very large impurity. Second sieve layer is used to separate the oversize impurity. The third sieve layer used to separate the undersize impurity. The rest seeds are qualified seeds and they go to the main discharge outlet. By adjusting the frequency button on vibration sieve trunk, you can control the material running speed on sieve screen surface. So you can well manage the seed cleaning quality by adjust trunk vibration frequency. Dusty air produced after winnowing will be discharged after filtering. This is environmental protection design.

Laboratory seed cleaner and grader construction:



1. Feeding hopper
2. Electromagnetism vibration feeder
3. Vibration trunk
4. Cyclone dust separator
5. Control panel
6. Machine frame
7. Power box
8. Double air cleaning system

Multi-angle display



Three sieve layers:

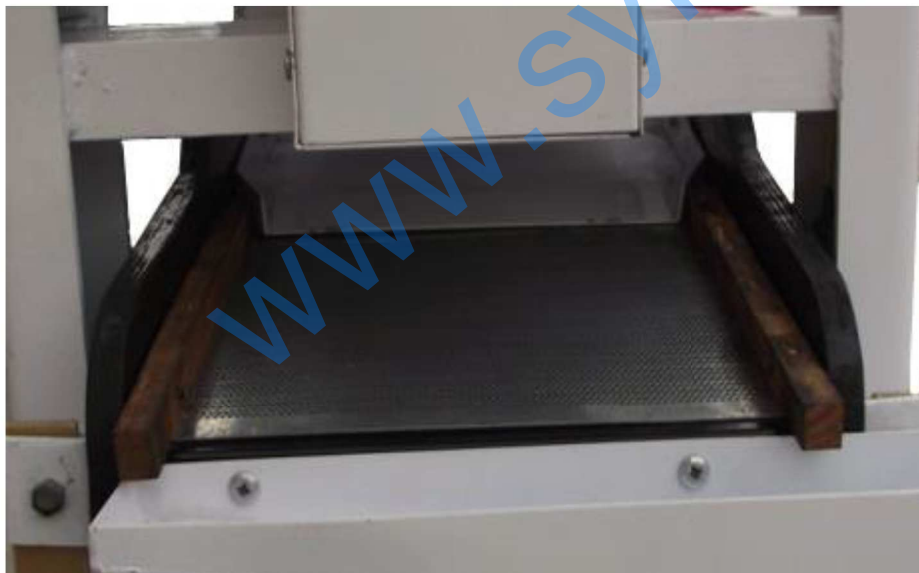
① ② ③

There are 3 sieve layer in the laboratory seed cleaner.

Bottle is for collect the dust and impurity.

Box for collect the very large impurity

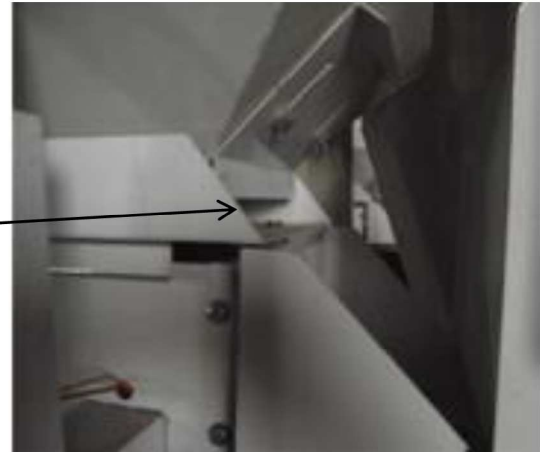
Box for collect the the cleaned seed.



Sieve set is made by galvanized plate. There are rubber balls between the sieve and bottom grid to make a full sieve set.
First sieve size: 270X220mm Second sieve size: 270 X535mm Third sieve size: 270X535mm



Electric magnetic vibration feeder, ensure feeding material quantity evenly.



Control Panel



User friendly control



Inverter for adjusting sieving trunk vibration

Double air cleaning systems



Double air cleaning system

Double air suction chambers, increasing the cleaning efficiency, Suck more light impurity and dust, will make the grains more clean.

Three dust collecting equipments



Settling chamber for collect the heavy light impurity



Dust cyclone separator

1200 CBM/H air volume offer sufficient air.

Dust collecting bag at the bottom.

Total three air adjusting handles



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

We have customers all over the world!



Healthy Grain, Pretty Beans, Strong Seed. SYNMEC

We serve for



Shijiazhuang SYNMEC International Trading LTD. and Hebei RUIXUE Grain Selecting Machinery Limited have all the copyright of the information and pictures provided in this leaflet. We have all the rights to do necessary adjustments on the product, and these changes may not reflect on the leaflet at the moment of production.

Address:
Head office: 15th Guangan Street,
Shijiazhuang City, Hebei Province,
China 050011
Manufactory: Huaihe Industry Park,
Hongqida Street, Shijiazhuang City,
Hebei Province, China 050000

Tel: +86 311 676663887
+86 311 89901997
Fax: +86 311 676663887
Mobile: +86 13273161281 (Tony)
Whatsapp: +86 13803340060
Imo: +86 13803340060
Wechat: 13803340060
Email: tony@synmec.com