

# SYNMEC

## 5XZS-10CDS SEED CLEANING & PROCESSING MACHINE

Super cleaning machine for remove small & big impurity, light impurity and low density seed (bad seed).

www.synmec.com

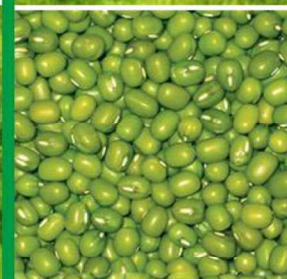
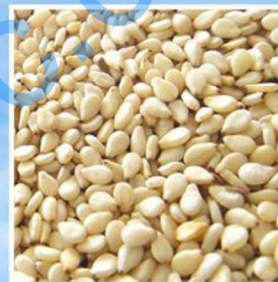
ISO  
9001:2008  
REGISTERED



SGS



BUREAU  
VERITAS



# SYNMEC

The world top Manufacturer for Grain Cleaning Solutions  
Adviser Seed Processing



# 5XZS-10CDS SEED CLEANING & PROCESSING MACHINE



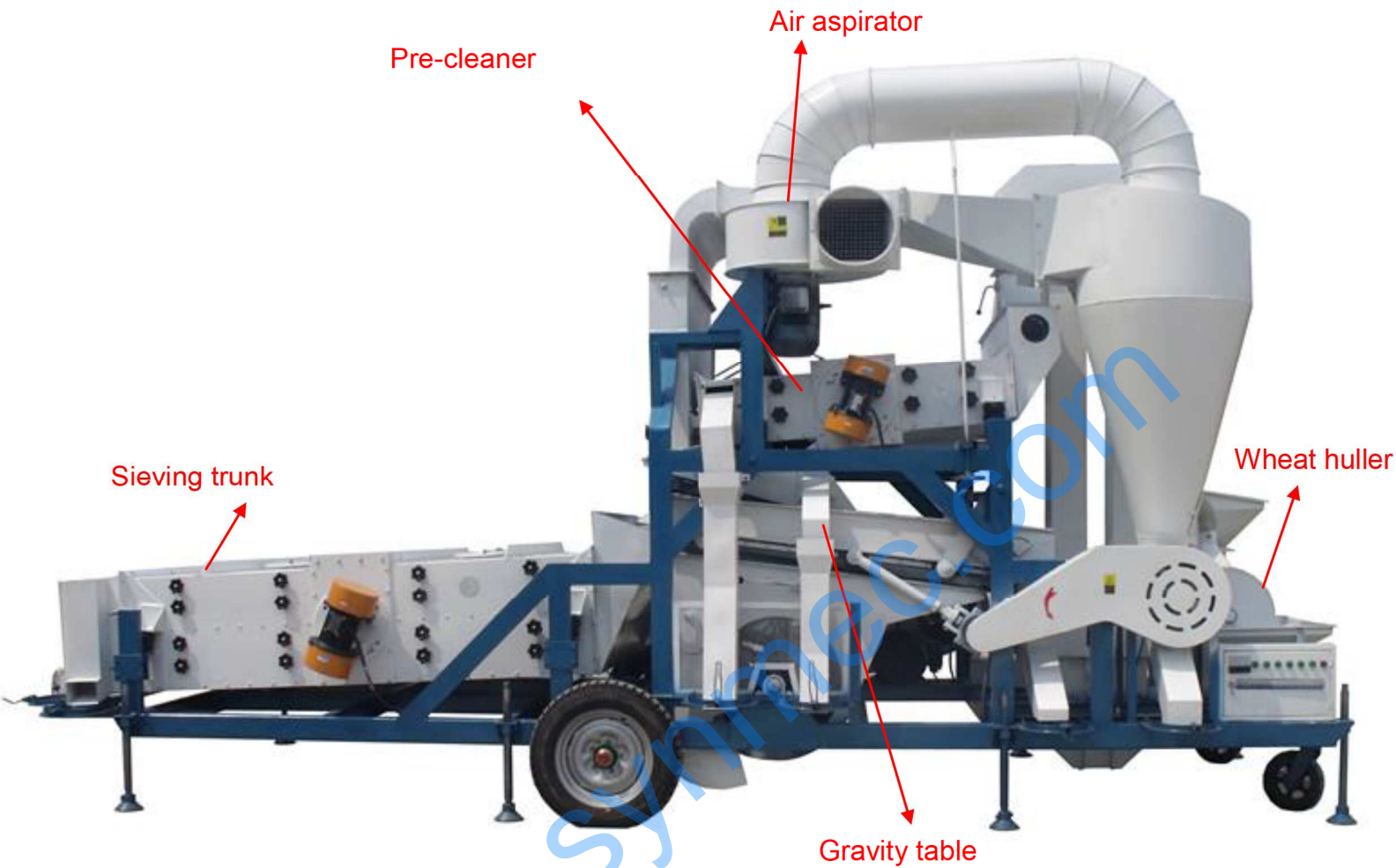
## Technical Data:

Model:	5XZS-10CDS
Function:	Wheat hulling, air cleaning, pre-cleaning, gravity separation, vibration sieves cleaning & grading.
Size:	6470X2200X3600mm
Capacity:	10 ton/hour for seeds (count on wheat)
Cleaning rate:	>97%
Sieve cleaning type:	Rubber ball vibration
Noise:	<85dB
Electricity input:	3 phase
Power:	Total: 23.25Kw Wheat huller motor : 7.5Kw Bucket elevator: 0.75Kw Top air blower: 5.5Kw Pre-cleaner vibration motor:0.25Kw X 2 sets Gravity table: 7.5Kw Main sieving trunk vibration motor:0.75Kw X 2 sets

## Feature:

5XZS-10CDS Seed Cleaning & Processing Machine is designed with wheat hulling, air cleaning, pre-cleaning, gravity separating, vibration sieve cleaning and grading. This model consists of so many functions on one mobile type seed cleaner make it ideal for wider application.

Structure:



**Multi functions combined in one machine**

1. Wheat huller
2. Pre-cleaner
3. Air aspirator
4. Gravity table
5. Sieving trunk

Working flow:

The intake hopper enables wheat filling into the wheat huller for hulling the wheat. Then wheat fed from bucket elevator hopper is transported to pre-cleaner. After quick remove the undersize and oversize impurities, then seeds drop to air cleaning chamber for remove light impurity and dust. The big air cleaning chamber will bring the best air cleaning efficiency. Then the air cleaned material enters to the gravity separator for remove the bad seeds (partially eaten, immature, insect damaged, sick seeds, etc). After been processed by gravity separator, seed will comes to the two in one vibratory sieving trunk to remove the large and small impurity. The customer also can select four sieve layers sieving trunk which not only remove the large and small impurity, but also grading the seed to three levels by size (large, medium and small).

## Air cleaning

It will remove the dust, light impurity from wheat huller as the first time air cleaning (just a quick air cleaning).

And the aspirator connects the wind screen before raw material flow to gravity table as the second time air cleaning.



## 5XZS-10CDS Seed Cleaning & Processing Machine Performance

Raw material



Finished material



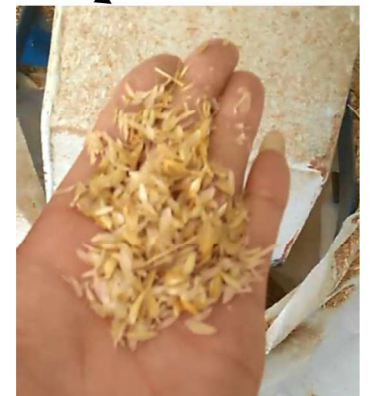
Big impurity removed  
by vibratory sieve.  
As long straw.



Small impurity removed  
by vibratory sieve.  
As smashed ones.



Impurity separated by  
gravity table.  
As immature, moldy,  
eaten ones



Cyclone collects light  
impurity  
As dust, stalk, husk.



Grain fall on first sieve layer of pre-cleaner



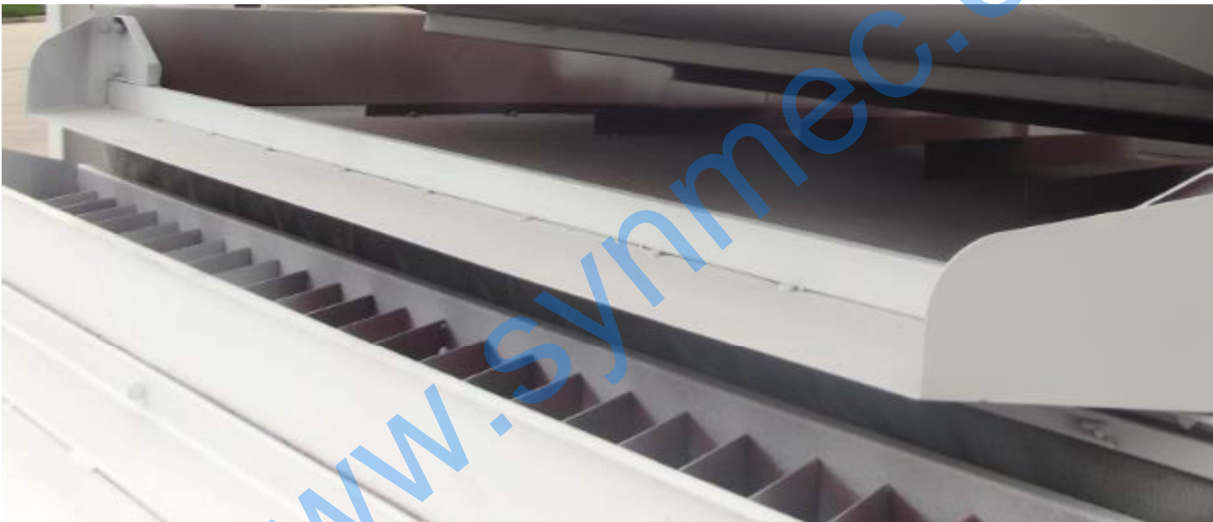
We will recommend suitable sieves for your raw material.

Normally sieve holes are from big to small placed from top layer to bottom layer.

There are rubber balls under sieves. While sieves trunk vibration, the rubber balls jump and avoid sieve holes blocking.



Grain fall from gravity table go to vibration sieving trunk. The sieving trunk receiving hopper has single plates as fences. Which guarantees the grain will be scattered evenly on sieve surface.



Bottom strong air blower offers enough air volume for gravity separator. It is driven by 7.5Kw motor.



Inside the protect screen and protect plate, It is factory produced high quality air blower.

We have 5XZS-10DS model Seed Cleaning & Processing machine. It WITH OUT wheat huller. (Other structure designs are same)



5XZS-10DS Model

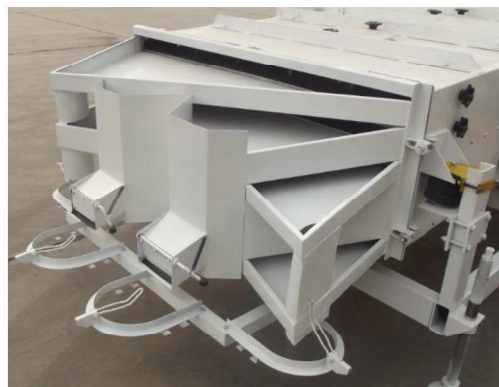


5XZS-10CDS Model

Two types sieve grading trunk design (Sieve grading trunk has 4 sieve layers)



If client need grading seed, that can select four sieve layers sieving. Sieves will remove big impurity, small impurity and grading seeds to three different levels by size.



If client do not need grading raw material, the sieve trunk will be designed as 2 in 1 trunk which has two isolated trunk. Each trunk with 2 sieve layers and used to remove big impurity and small impurity. These two trunks sieves are same. This enhances the cleaning capacity and accuracy.





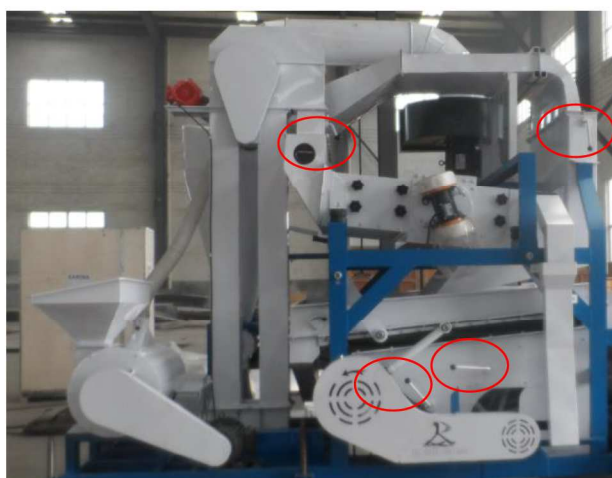
Power control box



Please check the machine rotation before operation.

Make sure motor rotation direction is same as marked arrow.

Handles and switches are easy for adjusting. We offer user manual and operation video.



Seed Cleaning & Processing Machine photos





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



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 67663887  
Mobile: +86 13273161281 (Tony)  
Whatsapp: +86 13803340060  
Imo: +86 13803340060  
Wechat: 13803340060  
Email: [tony@synmec.com](mailto:tony@synmec.com)