

# SYNMEC

## 5XZS-20DS 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

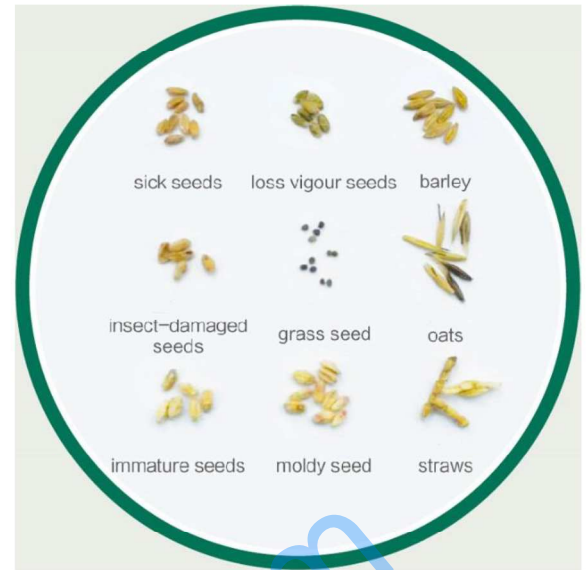


# SYNMEC

The world top Manufacturer for Grain Cleaning Solutions  
Adviser Seed Processing



# 5XZS-20DS SEED CLEANING & PROCESSING MACHINE



What the machine can remove from the wheat

## Technical Data:

Model:	5XZS-20DS
Function:	air cleaning, sieve cleaning, gravity separation
Size:	4730X2500X3830mm
Capacity:	20 ton/hour for seeds (count on wheat)
Cleaning rate:	>97%
Sieve cleaning type:	Rubber ball vibration
Noise:	<85dB
Electricity input:	3 phase
Power:	Total: 21.49KW Bucket elevator: 1.5KW Top air blower: 11KW Vibration motor: 0.37KW X 2 sets Gravity table air blower: 7.5KW Air closer: 0.75KW

## Feature:

5XZS-20DS Seed Cleaning & Processing Machine has double air cleaning, sieve cleaning, and gravity separating functions. This model consists of so many functions on one mobile type seed cleaner make it ideal for wider application. And it has 20 ton per hour capacity, which is popular for grain cleaning section.

## 5XZS-20DS Seed Cleaning & Processing Machine Construction and working flow

Two cyclone dust separators

Double air cleaning system

Sieving trunk

Gravity table

Raw material



Finished material



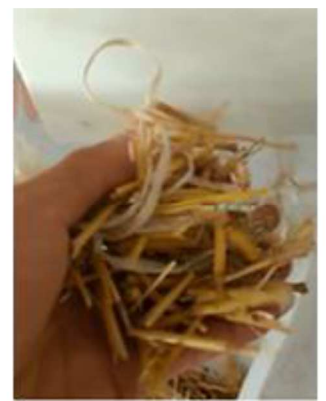
Cyclones collect light impurities such as dust, stalk, husk, etc.



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



Small impurity removed by pre-cleaner.  
As smashed ones.



Big impurity removed by pre-cleaner.  
As long straw

### Multi functions combined in one machine

1. Air aspirator

2. Seed cleaner

3. Gravity table

First of all bucket elevator transfer the grain / seed to the sieving trunk for remove undersize and oversize impurities. There are two air cleaning chambers at the both ends of the sieving. The air cleaning system will remove the light impurity from grain twice before grain flow to gravity table. Finally grain seed enter to the gravity table for remove the bad seeds.



## Grain fall on first sieve layer of vibration sieving trunk



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. Whiles sieves trunk vibration, the rubber balls jump and avoid sieve holes blocking.



## Air aspirator two times cleaning.

Air cleaning system will remove light impurity before grain arrives at the sieving trunk for first time air cleaning. And it will remove light impurity again before grain arrives at gravity table as the second time air cleaning. Double times air dust cleaning system ensures the grain / seed cleaning rate..



Two cyclone dust separators  
Each bottom installs air  
closer.  
Two air closers are driven by  
one 0.75Kw motor.



There are five handles on air chamber and air tunnels for air volume adjustment. one 11 Kw air blower offers sufficient air source for grain processing.

Gravity table is driven by one 7.5Kw motor. This motor offers driving power for gravity table vibration and bottom air blower running. It is energy saving.



Factory made strong air blower



Air blower

Motor

Vibration shaft



Power control box Please check rotation direction before operation Handles & windows for easy adjust





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!**





# 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)