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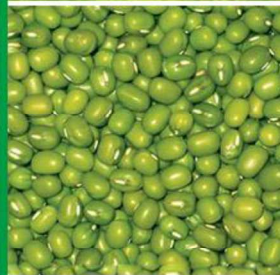


www.synmec.com

SYNMEC

5XQS-10 Destoner

Professional stone removing from your seed or grain



SYNMEC

The world top Manufacturer Adviser for Grain Cleaning Seed Processing Solutions

5XQS-10 Destoner



Parameter reference:

Model	5XQS-10
Capacity	10000 kg/hour (count by wheat)
Vibration motor	2.2Kw
Air fan motor	7.5Kw
Dimension (L*W*H)	2500×2300x1600 mm
Weight	900 kg

Function:

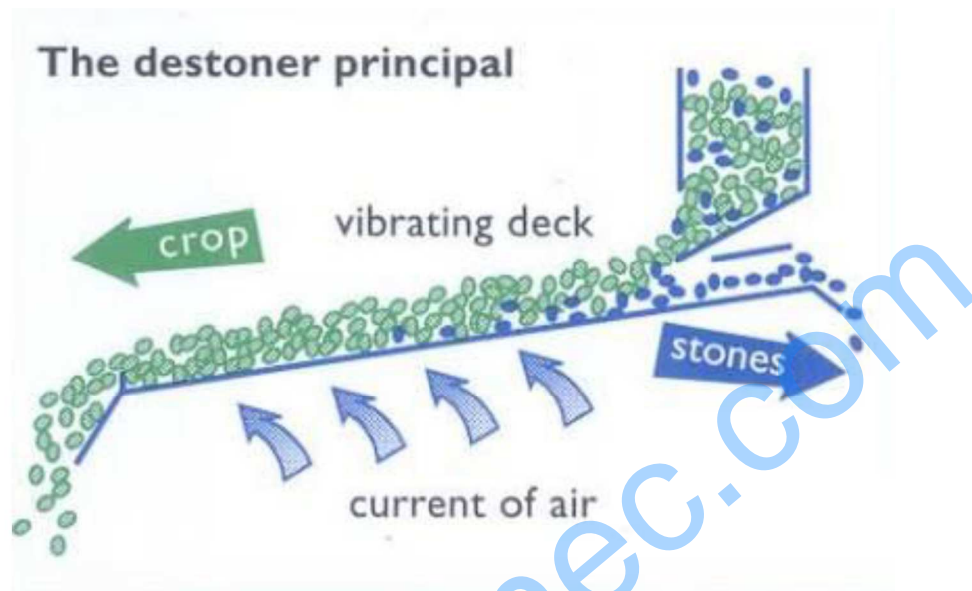
Destoner is used to remove the heavy density impurity (stones, sand, soil blocks) from raw material.

It is widely applied in all type grain seeds which are harvested from ground. Such as beans, wheat, corn, millet, ground nut, paddy etc.

5XQS series Destoner is air blowing type and having a big sieve bed. So it is a universal Destoner fits for all grain seeds processing. It is also easy to operate. Above advantages making it being a popular model in the world.

Working principle:

5XQS-10 Destoner is used to separate granular products where the particles are approximately the same size, but differs in weight. Via air blowing power and material mechanical movement, it efficiently removes a small amount of heavy material from a larger quantity of light material. It can separate impurity like sand, stone, metallic and glass pieces from the grains. With the combination of fluidization and deck oscillation, heavy particles migrates to upper level, while light particles moves to lower level of the deck.



Destoner performance:



Destoner removes stones from splitted soy beans effectively

Destoner removes sand from finger millets



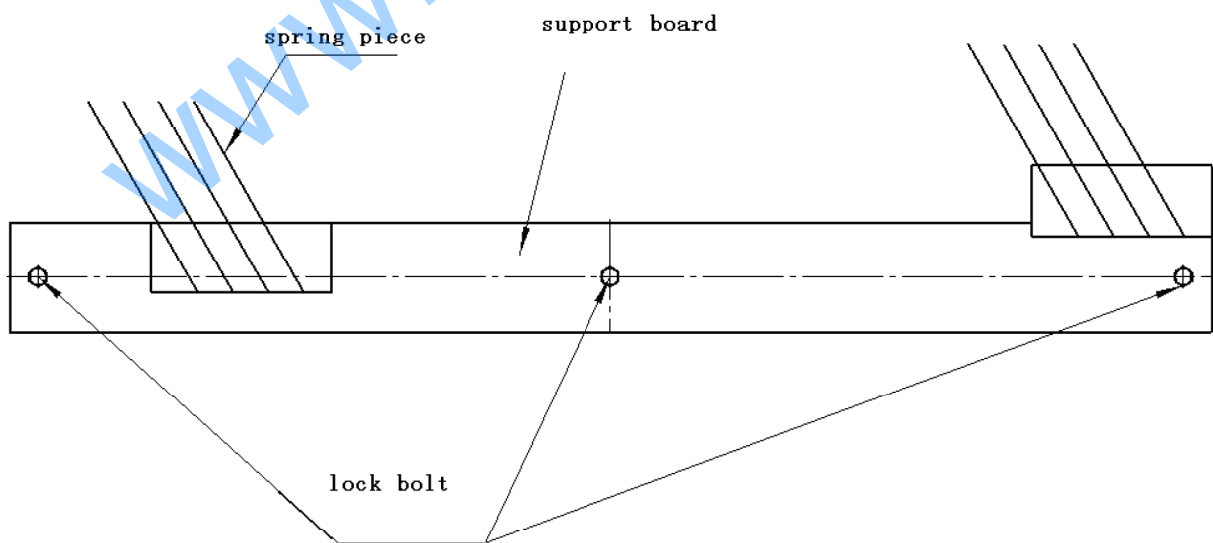
There is an obvious boundary between millets and sand.



sand



finger millet



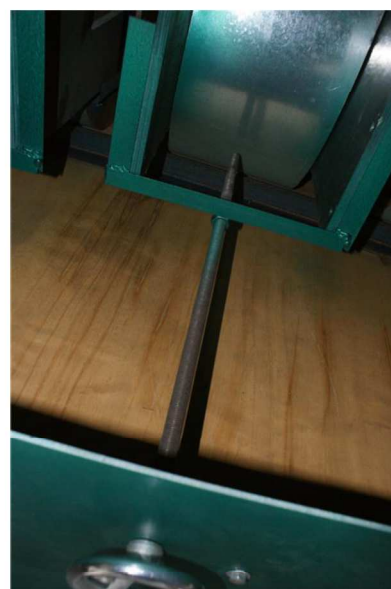
Vibration body inclination angle is adjusted to 7.5 ° when leave factory.
 When you process different material, you many need to adjust the angle to find the best cleaning effect.
 Following is steps: loosen the locking bolt, turn the supporting plate. Pay attention to both sides of the adjustment must be accordant. Otherwise it will affect the results or even damage the machine.

Destoner details:



Power control box

There is an inverter in the power control box. The inverter can adjust motor speed and reduce starting current. When Destoner requires low vibration frequency, please adjust the inverter to turn down the motor rotation speed. Please refer to the inverter instructions. Not frequently turn on or off the transducer to avoid damage equipment.

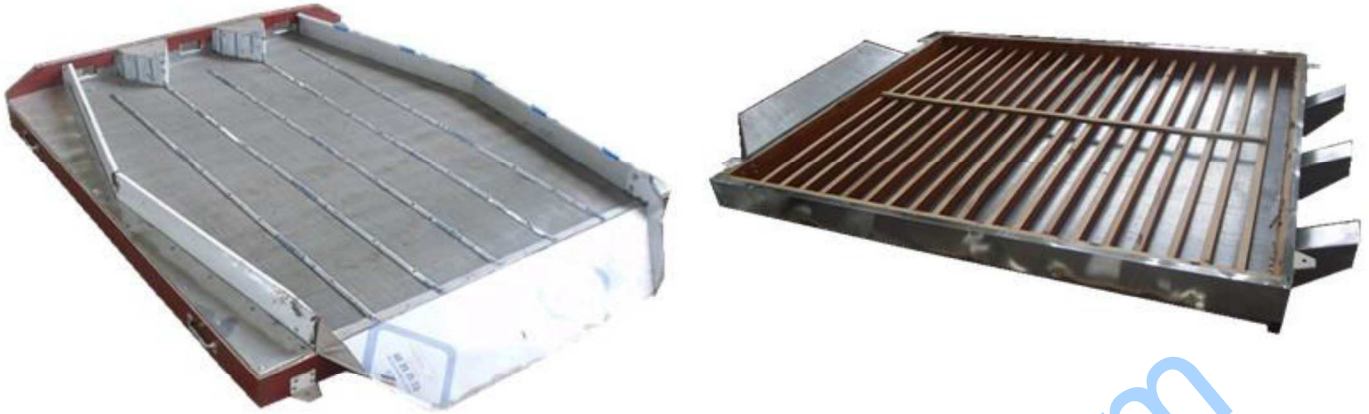


Air volume adjusting

There are four air blowers in 5XQS-10 Destoner. Air volume adjusting handle connects the air blower directly. The air volume can be adjusted according to actual requirement. To check whether the air volume is appropriate, you should see the raw material distribution on sieve bed. If the air volume is suitable, the raw material should show a suspension on sieve bed. Generally, when suspending, the flow thickness is 30 ~ 40 mm for beans and 40 to 50 mm for white rice.

Destoner detail:

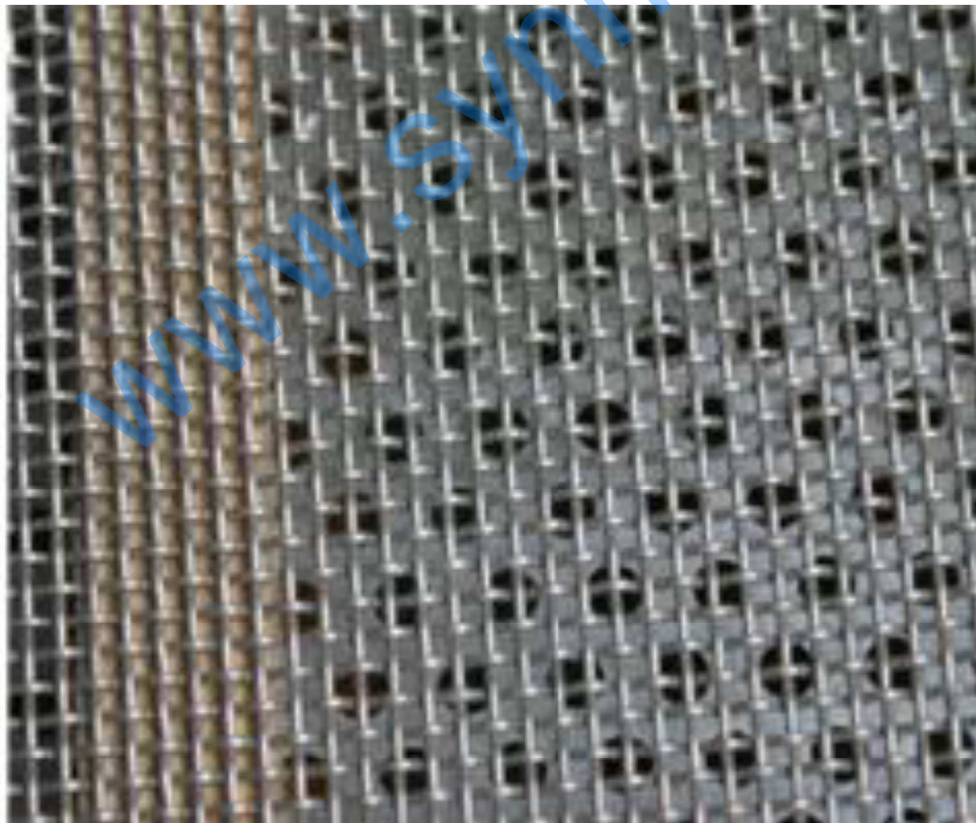
- Sieve bed is 230cm in width for 5XQS-10 Destoner



Destoner sieve bed has 4 openings on the high end as stones outlet and 1 big opening on low end as grain outlet.

Destoner sieve bed is made of hard wooden frame with stainless steel sieve layers. There are crosswise bars on bottom tray to carry the sieve layers.

- Sieves (It is made of one layer stainless steel mesh and one layer stainless steel screen)



Top sieve layer is wave mesh customized for the processing grain.
Bottom round hole screen layer is used for air evenly distributed.

- There are 4 air blowers inside the 5XQS-10 Destoner. Please see following impeller photos.



- High strength springs & spring plates, keep Destoner regular & steady vibration.



- High standard material and skilled craft offering the best quality to you



Destoner photos



We can offer dust cover for destoner, which is used in the grain cleaning plant as part of dust cleaning system.



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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