

## Aspirator Separators

### Scope of Aspirator Separator

Aspirator Separator is a machine designed for the removal of fine and coarse impurities from cereal kernel by sifting action. With the advantage of features like adjustable speed and inclinable mechanism, the aspirator separator can be used as a multipurpose grain-cleaning machine.



### Applications of Aspirator Separator

Flour and semolina mills
Seed cleaning plants
Cereal cleaning mills
Malt factories
Feed mills
Cereal storage silos
At other similar industrial plants.

## Applications of Aspirator Separator

1.	Aspirator Separator is equipped with vibrating structure supported by elastic shock-absorbing elements, containing the sifting body with two rows of sieves pairs.
2.	Aspirator Separator is essentially a self adjusting grain feed system.
3.	Aspirator Separator also possess a unique feature i.e. self cleaning of the sieve covers by means of rubber balls of different intricate shapes and sizes patented by Mukul Enterprises.
4.	To enhance the signature craftsmanship motto, the Aspirator Separator has got transparent toughened glass panels for checking the cereal strata.
5.	Keeping in mind the user friendliness the steel or wooden sieve frames of the Aspirator Separator are equipped with easily replaceable perforated plates.
6.	To top it all the best quality vibrating motors are equipped which provides the oscillation for the Aspirator Separator.

## Working Principle Of Aspirator Separator

The working principle of Aspirator Separator is very simple and intuitive. The vibrating process is maintained by means of vibro-motors, which are placed in the machine keeping into account the centre of gravity of the machine. The grain feeding chamber and body which are mounted on the rubber shock absorbers vibrates together and propels the product into mid-section of the Aspirator Separator inlet.

The grain is spread uniformly on the entire surface of the mesh by means of an adjustable regulating gate. Mukul Enterprises recommends another adjustable regulating mesh to the inlet of the conveyer for better flow. When the grain passes through from the first mesh to the second one, larger size impurities or foreign particles are filtered out by the first mesh and directed to coarse flow discharge line.

The remaining smaller size impurities or foreign particles which pass through the second mesh are transferred to fine flow discharge line. Then, the cleaned product is transported to an air canal.

## Features & Advantages of Aspirator Separator

1.	Low energy consumption, high capacity and operating efficiency.
2.	Easy and minimum maintenance, hassle free operation by using vibro-motors.
3.	Adjustable inclination (angle) of mesh - grades range 2 - 12. Due to this unique feature, the Aspirator Separator can be used for any kind of cereals at maximum efficiency.
4.	Durability and long lifetime.
5.	Quick and easy replacement of mesh and practical cleaning possible.
6.	Noiseless working.

