

SEPARATION MACHINERY & PLANTS FOR AGRO & FOOD INDUSTRIES



For cleaning & grading processes of :
Grains & Cereals, Seeds & Pulses
Spice Seeds, Oil Seeds etc.

***Manufactured to Design & Technology of
Ex. Collaborator Forsbergs Inc. USA.***

PRE CLEANER AIR SEPARATOR



- Most suited as pre cleaner before storage of Seeds & Grains in Silos.
- Positive eccentric, Four bearing design, High speed machine.
- Variable speed drive ensures quality separations at high capacity.
- Totally enclosed aspiration system with cyclone provides dust free working in the plant.

Capacity Range : Upto 150 TPH

Optional : Jute separator of Double Drum design.

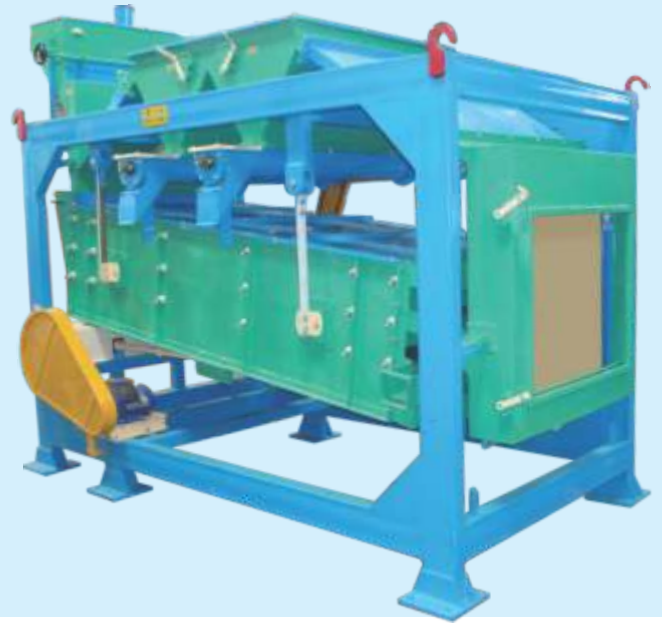
VIBRO SCREEN SEPARATOR



- This is circular motion type vibrating screen with two bearings design with high speed drive ensures high quality separation at high capacity.
- The feed hopper with control gate regulates feed across width of screener.
- Screen basket mounted on four springs stations for maximum isolation of vibrations to base frame.
- Ball cleaning system provided to keep mesh free of clogging.

Capacity Range : Upto 150 TPH.

FINE CLEANER GRADER



- Fine Cleaner-Grader with grading decks, most suited for spice-seeds, grains, cereals, oilseeds, pulses etc.
- Pre and Post aspiration system with collection chamber & cyclone ensures dust free working in the plant.
- Controls of feed facilitates finer grading of products of several varieties.
- Controls of air flows ensures suction of lighter impurities/seeds as desired.

Capacity Range : Upto 10 TPH.

IMPACT HULLER



- Most efficient huller with minimum breakage & fines.
- Controls of speed and feed permits operator to obtain best possible hulling of given material.
- Cyclone collector and suction system provide dust free working in the plant.

Capacity Range : Upto 5 TPH.

DESTONER VACUUM TYPE



- Combined action of vibrating motion of fluidized bed creates separation of stones or any other impurities heavier than product.
- Pressure type destoner is economical & simple to operate.
- Vacuum type destoner ensures better air distribution

DESTONER PRESSURE TYPE



- and provides dust free working in the plant through totally enclosed aspiration system with cyclone.
 - Controls of Feed, Air, Deck Elevation, Pitch, Speed facilities almost complete removal of heavy impurities from products in one pass only.
- Capacity Range :** Upto 20 TPH.

GRAVITY SEPARATOR PRESSURE TYPE



- Most perfected Gravity Separator working on the principle of vibrating motion and fluidized bed.
- Pressure type model is economical Density Separator producing 3 to 5 Grades based on specific weights of products.
- Vacuum type model ensures most uniform air distribution resulting into much finer cuts in grading. It

GRAVITY SEPARATOR VACUUM TYPE



- also provides clean working in the plant as dust is aspirated to cyclone.
 - Easy to adjust controls of Feed, Air, Speed, Deck-Elevation, Pitch, Torque & Runoff permits highest degree of separation with best possible settings.
- Capacity Range :** Upto 5 TPH.

ASPIRATION COLUMN



AIR CLASSIFIER



- It operates under air vacuum system and is most effective for the separation of light weight particles from heavy products such as all kinds of cereals, soyabeans, peanuts, pulses, spice seeds etc.
- It is also used to separate husk/hulls after hulling seeds like sunflower, neem seeds etc.
- The aspirator can also be used as post aspirator on screen separator or fine cleaner-grader machines.

- This is precision air separator for two way separation of lights and heavies. It works with pressurized air in vertical column.
- Most efficient machine for separation of hulls/husk after hulling/decordication of seeds.
- Controls of feed and air allows adjustments for efficient separation.

NOTES : Capacity on wheat basis. It depends upon bulk density of material, impurities present in raw material and degree of cleaning desired in the final product.

Equipment and Plants supplied cover processing of wide range of materials such as...

Barley
Paddy
Coffee
Cocoa
Peas
Malt
Pulses
Chicory

Grains
Cereals
Maize
Rice
Wheat
Sorgum
Millet
Mustard

Groundnut
Soyabean
Sunflower
Safflower
Rape Seeds
Castor Seeds
Neem Seeds
Palm Kernels

Spices
Black Pepper
Corriander
Cumin Seeds
Celery Seeds
Poppy Seeds
Dill Seeds

Fennel
Farina
Flax Seeds
Sesame Seeds
Fenugreek
Chilli Seeds
Ajowan

Dry Bones
Plastics
Rubber
Guar Splits
Copper
Alluminum

A SINGLE SOURCE FOR TECHNOLOGY & MACHINERY

Design - Engineering - Manufacturing - Supply

- Pre-cleaning and Silo Storage plants for Oil seeds, Grains, Cereals & Pulses.
- Cleaning, Hulling & Hull Separation plant for Oil Seeds.
- Cleaning & Grading plant for whole spice seeds.
- Cleaning & Grading plants for Seeds & Grains.



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MACHINERY MANUFACTURED TO PERFORM