



SK
ENGINEERING

ISO 14001:2015 CERTIFIED COMPANY



We Give You
A Clear *Solution*



All types of Plants Installation & Machinery Mfg.
Specialist in Peanuts Plants, Sortex Plants



CONVEYING EQUIPMENTS



Z Elevator



C Elevator

- **Seeds** : Paddy, Wheat, Maize, Cotton seeds, Vegetable seeds, Coffee seeds & more
- **Oilseeds** : Soya, Sunflower, Sesame & more
- **Spices** : Pepper, Cardamom, Coriander, Dried Ginger & more
- **Grains** : Paddy, Wheat, Maize & more
- **Pulses** : Red Gram, Green Gram, Black Gram, Lentils & more



VIBRO SEPARATOR

Vibro Separator is implemented in separation of Oversize and Undersize admixtures from seed lot in... Grain, wheat, durum, corn/maize, rye, soybean, oat, buckwheat, spelt, millet, and rice mills for basic cleaning or in bulk storage systems for pre-cleaning. In addition, it grades a wide variety of products by size. Efficient grain cleaning at high throughput rates

Construction:-

- The vibratory sieve separator consists of:
 - Sieve basket with two decks of sieves and product inlet and outlet.
 - Supporting frame.
 - Drive consisting of two electric vibrators mounted to sieve basket sides.
 - Outlet stub-pipes for outputting impurities.
 - Aspiration case or pneumatic channel, depending on the version of the machine.
 - Perforated Screen and ball trays are separate.

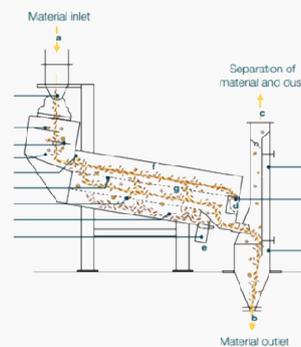


Advantages: -

Speed and capacity adjustment with inverter, Drive by electric vibratory motors for negligible maintenance and highly effective screening. -Choice of aspiration systems from basic aspiration case to high performance pneumatic channels, as follows: Version "A" separator with basic aspiration case - for removal of dust. Version "B" blower located below the sieve basket in separator frame to blow dust of cleaned product.

Optional Accessories:-

- DUST COLLECTOR/CYCLONE
- EXTRA SCREEN SET FOR VARIOUS CROP
- AIR TRUNK
- SURGE BIN
- BLOWER
- VERTICAL BUCKET ELEVATOR/ Z TYPE ELEVATOR
- ASPIRATION CHANNEL



MODEL	CAPACITY	SIZE OF EACH SCREEN		SCREEN INCLINATION	NO. OF ASPIRATION	NO. OF SCREEN	ELECTRIC MOTORS	O.A.SIZE (L X W X H) (in cms)
MTR-500	2 TPH	Top 1000 x 1000mm	Bottom & Middle 1000 x 1000mm	Fixed	ONE	4/6	0.5 + 0.5HP 3Phase 440V	180 x 160 x 124 (Lx W x H)
MTR-1000	4 TPH	Top 1000 x 2000mm	Bottom & Middle 1000 x 2000mm	Fixed	ONE	4/6	1 + 1HP 3Phase 440V	260 x 160 x 124 (Lx W x H)
MTR-500	6 TPH	Top 1500 x 800mm	Bottom & Middle 1500 x 2000mm	Fixed	ONE	4/6	2 + 2HP 3Phase 440V	260 x 210 x 124 (Lx W x H)

Note: Capacities may vary depending on seed condition, moisture content, seed varieties, type and volumes of contaminants to be separated and the percentage of foreign material acceptable in the final product. Capacity also vary depending on product flow through the cleaner
*Capacity based on wheat



VIBRO DESTONER

Our De-Stoner guarantees a perfect separation of stones contained in cereals. Ideal for removal stones, mud balls and pieces of glass and metal from cereals, legumes, coffee beans, oilseeds, rice, etc. Pre and Fine Screen cleaned seed as well graded seed (in sizes) would still contain same size admixtures and impurities. Admixtures that are heavier than seed lot can be separated via De-Stoner machine.

Mode of operation:-

The gravity-fed grain is spread by a feeder, which at the same time acts as an air seal, across the entire width of Machine. On the pre separation screen, the product Stream is stratified according to its specific gravity by the Oscillating motion of the screen and by the air flowing through the product from bottom to top. The light par-Tickles collect at the top, and the heavy ones including the Stones at the bottom.

The lower layer with the heavy particles flows upward and is fed to the final separation zone of the bottom destoning screen. Final separation of the stones from the grain is accomplished by a countercurrent of air. The stone-free product streams on the two screens float on cushions of air, flowing slowly toward the product Outlet. Discharge is affected through rubber squeeze Valves.

FEATURES:-

1. Stone Discharging and Resort Mechanism:

The discharged stones from the primary sieves contain some grains. This mixed fraction is sent to the secondary sieve by a pneumatic transfer system, using a built-in fan. Stones are concentrated and discharged.

2. Very Low Maintenance:

Heavy-duty construction, (side View) permanent lubrication and easy access to sieves for cleaning or Replacement result in very low maintenance.

3. Compact Design:

The Destoner is a compact unit and requires less installation space. The vibratory drive eliminates the need for any pulleys, belts, eccentric bearings, etc. and contributes to the improved sanitation in plants.

Applications

- Seeds : Paddy, Wheat, Maize, Cotton seeds, Vegetable seeds, Coffee seeds & more
- Oilseeds : Soya, Sunflower, Sesame & more
- Spices : Pepper, Cardamom, Coriander, Dried Ginger & more
- Grains : Paddy, Wheat, Maize & more
- Pulses : Red Gram, Green Gram, Black Gram, Lentils & more



VIBRO DESTONER FOR PRE CLEANING



VIBRO DESTONER FOR MULTI CLEANING

MODEL	CAPACITY	SIZE OF EACH SCREEN		NO. OF DECK	ELECTRIC MOTORS	BLOWER REQUIRED	CYCLONE REQUIRED	O.A.SIZE (L x W x H) (in cms)
MTR-500	2 TPH	Top 762 x 1125mm	Bottom & Middle 762 x 1125mm	2	0.5 +0.5HP	5HP	900mm	196 x 103 x 21 (Lx W x H)
MTR-1000	4 TPH	Top 1016 x 1125mm	Bottom & Middle 1016 x 1125mm	2	1 +1HP	7.5HP	1000mm	196 x 138 x 210 (Lx W x H)
MTR-500	6 TPH	Top 1270 x 1125mm	Bottom & Middle 1270 x 1125mm	2	1 +1HP	10HP	1200mm	196 x 165 x 210 (Lx W x H)

Note: Capacities may vary depending on seed condition, moisture content, seed varieties, type and volumes of contaminants to be separated and the percentage of foreign material acceptable in the final product. Capacity also vary depending on product flow through the cleaner
*Capacity based on wheat



SPECIFIC GRAVITY SEPARATOR

SGS-2/3/5/7

The impurities which are of the same shape & size of the required quality product but having different specific gravity cannot be separated by Air Screen Seed Cleaner (Seed Graders), Length separators because these machines work on the principle of separation (grading) on the basis of difference in physical parameters like shape & size etc.

Standard Construction

- Individual Oblique Independent Motors for better control, stability and improved performance
- Patented Multiple Fan System Permits Precise Air Control
- Unique Rectangular Deck gives Unequalled Separation Quality
- Built in air filters can be easily removed for easy access to moving parts
- Easy to Adjust: all changes can be made during the operation, So Minimum Operator Training and Supervision is Required
- Adjustments for Speed of Eccentric Motion, Side and Length Tilt and Rate of Product Feed
- Accessories Available to Suit any Requirements
- Left and Right-hand Models Available to Suit Installation Requirements
- Fans are mounted on one common shaft.
- Quick and easy interchangeable deck assembly rests on four specially designed levers with TEFLON BUSH.
- All steel welded frame. Adjustable size and end inclination of the deck assembly.
- Adjustable deck speed, multiple fan system with independent air control for each fan, all these adjustments can be done while the machine is in operation.
- Feed hopper is provided with feed control device.

OPTIONAL SUB ASSEMBLY & PARTS:

- . Additional Deck meant for very large seeds Maize, Castor, Sunflower seed, Chickpea and Groundnut etc.
- . Additional Deck meant for very fine seeds like Mustard, Cummins, Coriander, Niger, Anise and Poppy etc.
- . Surge Bin/ Buffer hopper
- . Vertical Bucket Elevator, Z TYPE Elevator
- . Variable frequency Drive for Oscillation Control for Deck
- . Dust Canopy
- . Vibro feeder



MODEL	CAPACITY	NO. OF FAN	SIZE OF DECK	TYPE OF DECK	AIR CONTROL METER	WIRE MESH MATERIAL	ELECTRIC MOTORS	
							FAN	DECK
SGS-2	0.7 TPH	2	810 x 1240mm	Rectangular	0-40 Digit	Stainless Steel	3HP	-
SGS-3	1.5-2 TPH	3	810 x 1600mm	Rectangular	0-40 Digit	Stainless Steel	5HP	1
SGS-5	3-4 TPH	5	1050 x 2350mm	Rectangular	0-40 Digit	Stainless Steel	7.5HP	1
SGS-7	5-6 TPH	7	1150 x 3110mm	Rectangular	0-40 Digit	Stainless Steel	10HP	2

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*Capacity based on wheat



VERTICAL BUCKET ELEVATOR

Bucket elevators are used for the vertical conveying of free flowing granular material like seeds, grains etc.

Standard Construction

- An Elevator Consists of Head Section, Boot Section, Inspection Trunk and Standard Trunk Connections in between these.
- Head and Boot Sections are Delivered in Assembled Condition and Standard Truck and Inspection Truck are in Pieces.
- Head Section with Gear Motor
- Boot Sections with Adjustment Device for Belt Tensioning and Clean Out Door on Both Sides
- Food Grade Oil Resistant Belt
- Oil Resistant Belt. A Number of Buckets.

Applications

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CONVEYING EQUIPMENTS



Belt conveyor

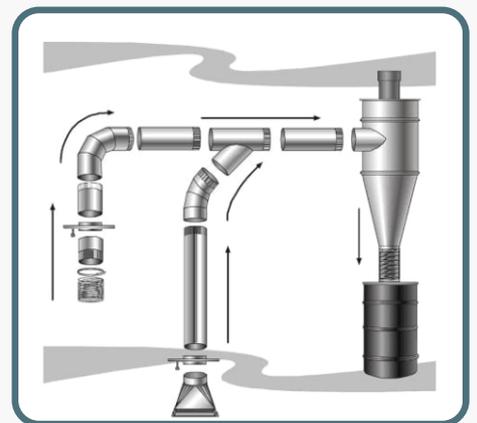
Screw Conveyor



Aspiration Channel



Cyclone



Duck line and Cyclone system



Peanut Processing Plant



Cumin Coriander Multi Cleaning Plant



Rice Mill





OUR CLIENT





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