

Vibrograder Cum Aspirator



- ★ **Capacity: 2000kg/h (2TPH)**
- ★ Vibratory/ Reciprocating type cleaning system for cleaning millet. The system designed for very thorough separation of impurities and material other than grain from the grain mass.
- ★ Provision available for taking samples (when the machine is in operation) in the pipe to check the product quality. There two large expansion chambers (one at the inlet and the other at the outlet) to allow light particles to be discharged separately, preferably through a dust collection system/ control system with blower, motor, cyclone and gear driven rotary valve.
- ★ The system provided with an inlet regulator to automatically distribute the grain and product over the entire width of the machine along with a storage hopper and feed gate for 15 minutes of operation. The system has provision to vary the deck vibration and speed.
- ★ The system fitted with appropriate capacity TEFC induction motor of continuous rating and automatic starter, both of VENANZETTI ITALY or equivalent make to run on 0.5hp 240/415V, 50Hz, 3 phase AC supply and 5 Hp Blower.



Elevators



- ★ **Capacity: 2000kg/h (2TPH)**
- ★ Bucket elevators for vertical transport and discharge of grains from one machine's output to the inlet of the subsequent machine.
- ★ The belt made from high strength PVC belt for minimal stretch, impregnated solid carcass, pre - punched for easy bucket mounting. Buckets made out of high quality Polyethylene CC material with deep terminal design.
The system fitted with all regulatory safety features. The electrical motors
- ★ used in the system have efficiency of 80% and above. The system fitted with appropriate capacity motors of continuous rating and automatic starter, both of reputed make to run on 1hp 240/415V, 50Hz, 3 phase AC supply.



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Vibro Destoner



★ **Capacity: 2000 kg/h (2TPH)**

★ Vibratory type vacuum destoner for continuous destoning of grains for separation of heavy particles such as stones, magnetic and nonmagnetic metals, mud balls and other foreign particles by separating impurities based on density difference by adjusting the aspirating air. The system supplied with closed circuit aspiration system to ensure a dust – free operating environment. The system also has lighting system to enable easy viewing of the components of the equipment.

The system use vibro motors for trouble free, have long life and low noise operation. The system has a separate collection of stones and dust particles.

★ System provided with an adjustable system to spread the grains evenly over the mesh screen to result in even stratification and separation along with a storage hopper and feed gate for 15 minutes of operation. The cleaned grains discharged separately to the subsequent machine.

The system has a quality sieve cleaning device. It also have provision to adjust the vibration intensity for efficient separation.

★ The system fitted with appropriate capacity TEFC induction motor of continuous rating and automatic starter, both of reputed VENANZETTI ITALY or equivalent make to run on 0.5hp 240/415V, 50Hz, 3 phase AC supply and 5 Hp Blower.

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Magnetic separator



- ★ **Capacity: 2000 kg/h (2TPH)**
- ★ Magnetic grids/ grates – round (200mm) to catch ferrous particle size of minimum of 30m and maximum of 10mm. The circular grid (with cover) has a diameter of 200 mm and height of 50mm. This circular magnet placed in the plant at each unit operation of grain processing.

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Dehuller/Dehusker



★**Capacity: 2000 kg/h (2TPH)**

★This machine is most suitable for de hulling small millets like foxtail, little, kodo, proso and bardyard millets. It operates with single or three phase one HP electric motor. The husk and rice are separated through a cyclone separator and the blower assembly. It has de-hulling efficiency of more than 95%



Mode of Operation	Continuous type
Overall Dimension	1100mm x 800mm x 1550mm
Power requirement	10 Hp
capacity	2 TPH
Purpose	Dehulling of motor millets (with or without bran)
Working Principle	Gentle abrasion/attrition & (aerodynamic) Cyclone separator
Efficiency	>95%

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Cleaner cum grader



★ Grader is used to grade grains based on their sizes. An aspirator is attached with the grader so that the light weight impurities like dehusked skins will be separated.

★ **Capacity: 2000 kg/h (2TPH)**

Mode of Operation	Continuous type
Overall Dimension	200mm x 900mm x 1800mm
Power requirement	5 Hp
capacity	2 TPH
Purpose	Removal of impurities like stones & dusts from small millets & other grains and sieve sets suitable for different millets
Working Principle	Gravity separator
Efficiency	>95%



Gravity separator



- ★ **Capacity: 2000 kg/h (2TPH)**
- ★ Millgrain Gravity separator Model MG-G3 in Standard construction With aspiratory feeder for 5 Kgs capacity and Including deck of dimension 1220 mm x 3000 mm with (GI) wire mesh (10,16 Or 30) of your Choice. Adjustable eccentric rpm, air quantity, feed rate and deck inclination sidewise and lengthwise. Incl. Motor of 8 HP for Blower Fan and 3 Hp.

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Color sorter



- ★ **Capacity: 2000 kg/h (2TPH)**
- ★ No.of Channels : 120 to 192 Channels
- ★ Camera: UHD (Ultra high Definition) Trichromatic camera with 15000 to 16200 pixels or 5000-5400x3 lines pixels
- ★ LED light: Life time of minimum 45000 to 50000 hours
- ★ Air compressor (screw type) with suitable air dryer including air pipeline connections. 6 to 10 bar, 7.5 to 20 HP
- ★ Modular HMI Display: 7" to 15" industrial grade colour touch screen
- ★ control panel to be provided for all machine
- ★ All contract parts made up of stainless steel (SS 304) or equivalent & non-contact parts made up of mild steel with powder coating or equivalent
- ★ warrantly for the machine: 1 year & extendable to 2 years



- High performance
- smooth Operation
- Less maintenance
- Robust Construction

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