



VIBROSCREEN SORTER

GEM Vibro Separator provides effective, economical and efficient solutions to numerous process industries. This Separator is designed for precision screening operations, to ensure quality separation.

Maximum Capacity

Highly efficient sifter offering maximum capacity in your current processing line and it gives their best performance for the production to reach its desired level of output.

Adequate separation

Products of higher qualities are now being separated easily with the help of GEM Vibro separator which brings accuracy in your premium products.



CONSTRUCTION

The specially designed Vibratory Motor with its eccentric weights is tightly mounted on a steel fabricated table or the Motor Base. The Motor Base is then mounted onto the Bottom Base via compression springs which remains firmly grouted onto the floor. This arrangement allows the screening decks, mounted on the Motor Base to vibrate freely preventing the vibration to be transmitted onto the floor. The screening decks along with the screen frames fitted with different meshes are then placed on the Motor Base one above the other.

OPERATION

The screens of the **GEM VIBROSORT** are placed so that the greater open area meshes are placed at the top and the finer meshes are then respectively placed one after the other until the bottom screen. The material is fed on to the centre of the top screen. Due to the multi-plane vibration, the oversize material at each screen gets continuously discharged through a tangential out let created on the screen decks where the tea is appropriately collected as per the screen size and grade. The under-size material at each screen passes rapidly through the screen during its travel to the periphery onto the next screen until it can no longer pass through. The finest grades or particles which passes through all the above meshes is collect through the last deck.

SALIENT FEATURES

- Low operating cost
- Low Power requirement
- No transmitted vibration
- High capacity, minimum space
- Minimum screen blinding
- Longer Screen Life
- Grades sorted efficiently into perfect sizes
- Re-sorting not necessary
- Ensures continuous flow of production
- Screening decks and frames are interchangeable.

Technical Specification

Required Process rate (Input Feed)	500 - 2000 Kg/hr.
Dimension of Screen	48" to 60"
MOC of Contact Part	SS 304
MOC of Non-Contact Part	MS
Number of Deck/layer/Stage	Four Deck
Mesh Count	6#; 12#; 14; & 22#
Clamp Type	Hook & Tee
Finishing of Contact Part	1/S Mirror Finish; O/S Brush Finish
Finishing of Non-Contact Part	MS Painted
Lid Assembly	Yes
Spring Guard	Yes
Mesh De-Blinding Kit	Yes – 4 Nos.

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