



Zenith and You - The Perfect Blend

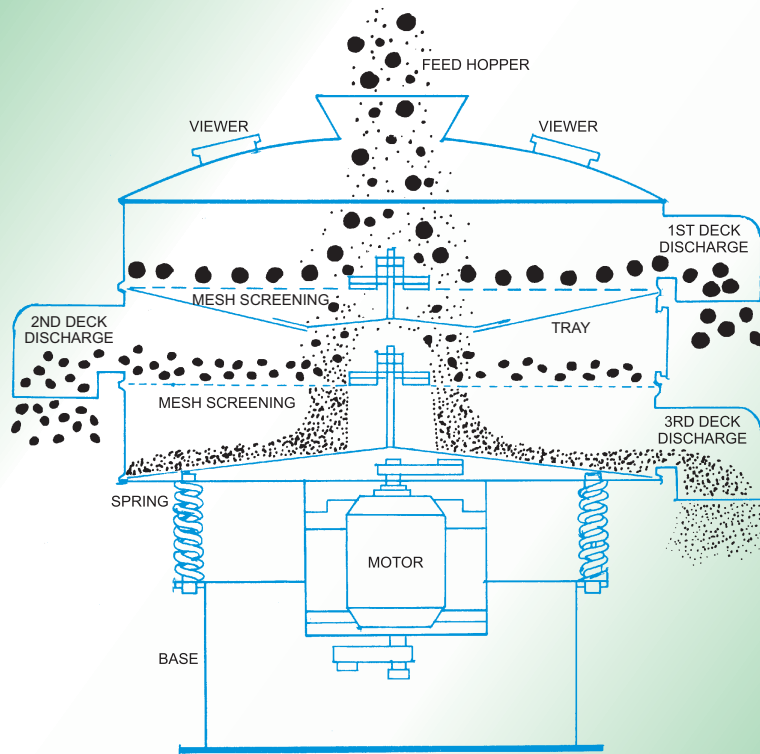
Zenith introduces a new Sorting Technology

Vibro-Screen



- Perfect Grader • Economical • Faster Sorting • Unkeeps Quality
- Easy Handling • Leak Proof • Maintenance Free

Sectional View and Working principle



Space, Speed, Compactness and versatility are the prime factors of 'Zenith' Vibro Screen to replace the old conventional sorting machineries with a view of economy and efficiency. This has revolutionised the sorting system.

The 'Zenith' Vibro Screen, a self balancing machine, in M.S. Construction has a modular arrangement. This consists of upto 7 Decks and each Deck is provided with S.S. (AISI-304) Screens of different meshes, as per the Nos. of mesh required. The whole assembly resting on several heavy duty springs are securely fixed to a heavy M.S. Circular base. The vibrating assembly is isolated by a cone mounted spring assembly.

The drive consists of 1.5 HP (1.1 kw) totally enclosed heavy duty specially designed Vibrating Motor and is housed inside the chamber. The different weights at different angles are eccentrically attached on both ends of the Motor shaft. By changing the position of both the eccentric weights, the efficiency of the screening changes. The gyratory motion of the motor vibrates the upper deck freely and no vibration th the ground floor.

Dimensions & Technical Details

Inside of the Machine		48"	mm
High (overall height)	7 Decks	1490	mm
	5 Decks	1265	mm
Circumference	50"		
No. of Decks	3/7 Decks		
Each Deck width		mm	
Steel Base Height.			
Output per hour			

Electric Motor

HP (1.1 kw) specially designed vibrating motor totally enclosed, heavy duty suitable for operation 400/400 V, 3 Phase, 50 Cycles A.C. Power

Advantages and Benefits

- The sorting and grading of Teas are very perfect on this machine and no re-processing is required.
- It requires less floor space and keeps floor clean.
- It upkeepes the appearance and the bloom of the Tea because of the minimum handling.
- It is 100% leak proof and spillage free.
- It consumes less HP and requires minimum labour with higher output and thereby minimum cost of shorting.
- Minimum maintenance cost.
- Interchangeability of Decks and Screening meshes.
- No concrete foundation is required.
- Conveyorisation is simple and easy.
- Almost no sound - it is just humming.
- Cleaning of all parts is simple and easy.
- With spare screens of various mesh sizes, quick changeover is possible to meet various grade requirements.
- Nos. of Decks can be provided as per requirements i.e. 3, 5 & 7 Decks.
- Being very simple in design and of high technology standards with rigid constitution, no after sales service is required.
- Just on - switch and get the clean graded teas continuously.



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