

**The Most Efficient Vibrating Screen
For Wet & Dry Screening**

HOW GYROSCREEN WORKS

The top weight on the motor shaft rotates in a plane close to the center of the mass of assembly. Rotation of the top eccentric weight creates vibration in the horizontal plane which causes material to move across the screen cloth to periphery. Increasing the top eccentric mass increases the horizontal throw causing over size material to discharge at a faster rate.

The bottom eccentric weight rotates below the center of vibrating mass creating tilt on the screen giving vibration in vertical & tangential planes. Increasing the vertical component of motion promotes turn over of material on the screen surface helping maximum quantity of undersize material to pass through the screen. The effective vertical motion helps in minimizing blinding of screen by near size particles.

The tangential component of motion is controlled by the angle of lead given to bottom weights with relation to top weight.

Variation in lead angle controls the spiral pattern of material travel over the screen cloth. Speed & Flow pattern of material travel over the screen cloth can be set by the operator for maximum through put & screening efficiency for any screenable Product.... Wet or Dry.... Coarse or Fine.... Heavy or Light.... Hot or Cold. Typical material travel patterns generated at various lead angles are shown below :

The material is fed on to the center of top screen. The undersize material passes rapidly through the screen during its travel to the periphery. The over size material gets continuously discharged through a tangential outlet. Gyrocreens are equipped to handle upto five different screens one on the top of the other with feed trays in between to give six precise sized fraction in single screening operation.

Special design with seven screens is also available for grading.



0° lead Average material will be thrown straight



30° lead Average material will begin to spiral



60° lead Average material will give maximum screening pattern



90° lead Oversize material does not discharge

GYROSCREEN FEATURES & ADVANTAGES

Greater Capacity More Accurate screening. Gyroscreen gives greater capacity per meter square of screening area & oversize material is discharged with relatively much less percentage of fines than other screening machines.

Minimum Blinding

Gyroscreen multi plane action limits screen blinding to an acceptable minimum. However for material having inherent blinding characteristics, Gyroscreen offers anti-blinding accessories to eliminate blinding.

Longer Screen Life

Screen cloth is held in uniform tension on specially designed mesh frames. The drum tight screening surface vibrates rigidly without flexing of wires, greatly reducing screen wear and increasing screen life.

No Transmitted Vibration

No special flooring or foundation is required. The gyroscreen may be placed wherever it is needed, like on top of bins, on wooden or upper floors, or light structures.

Less Space Required

For equivalent capacity, Gyroscreen requires less space than other screening systems. Compact units can fit into existing production lines.

Your Price Advantage

Our company's modern conception results in lower production cost which we pass to you through cost effective prices. Test our efficiency right now, no matter whether you are already using vibrating screens or are intending to introduce screening systems. An enquiry to us pays immediately

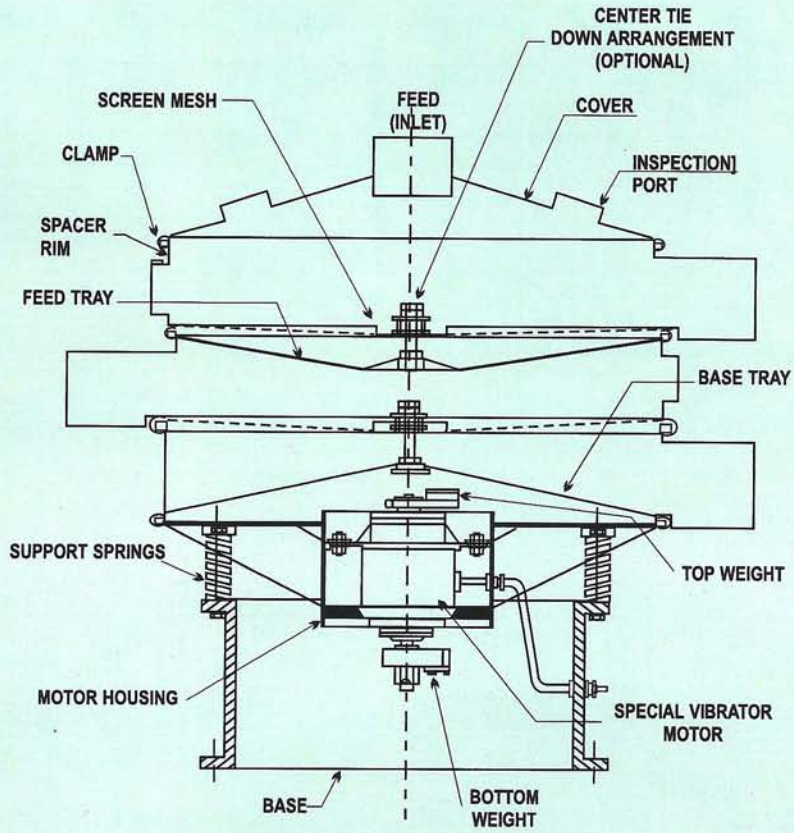
APPLICATIONS :

Asprin
Abrasives
Biscuit
Bulk Drugs
Calcined Petroleum Coke
Cattle Feed
Ceramic Industry
a. Ceramic Slip
b. Glazed Section
c. Ceramic Powder
d. Insulator Slip
Chemicals & Pharmaceuticals
Cellulose Powder

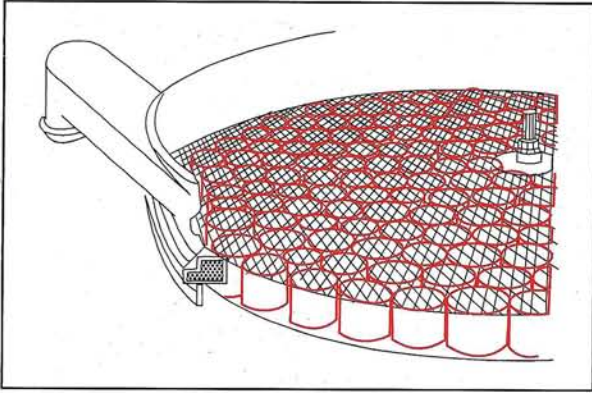
Detergent Powder
Edible Oil
Effluent
Fertilizer
Food Industry
Gelatine
Metal Powder/Shot & Grits
Ossein
Polymer Resin/Plastic
Pallets/Powder
Paper
a. Fibre Recovery
b. Black Liquor

c. Milk of Lime & Coating
d. Chemical Additives
Preparation Plant.
Paints
Pharmaceuticals
Refractory
Sand & Glass
Starch Slurry
Spices
Sulphur Powder
Sodium Sulphate
Tea
Table Salt

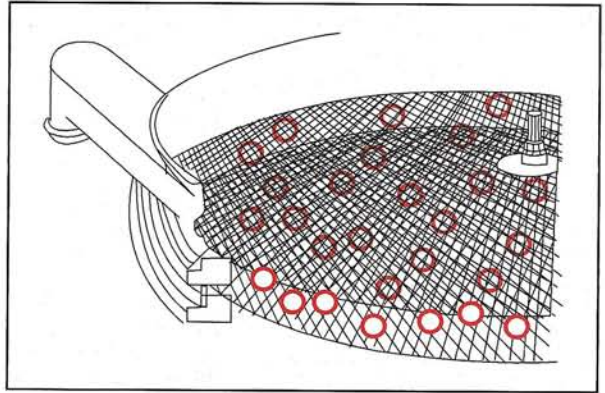
SCHEMATIC DIAGRAM



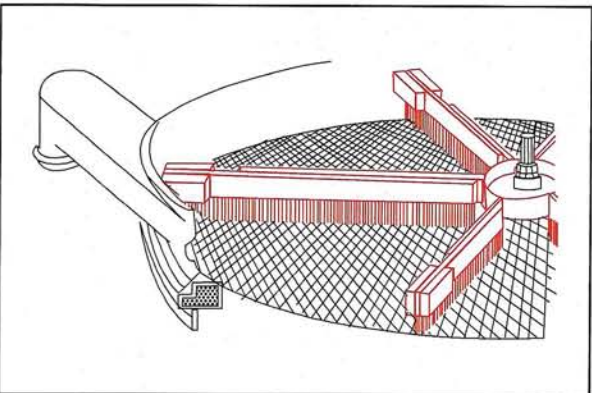
Anti-Blinding Arrangement with PVC Pipes



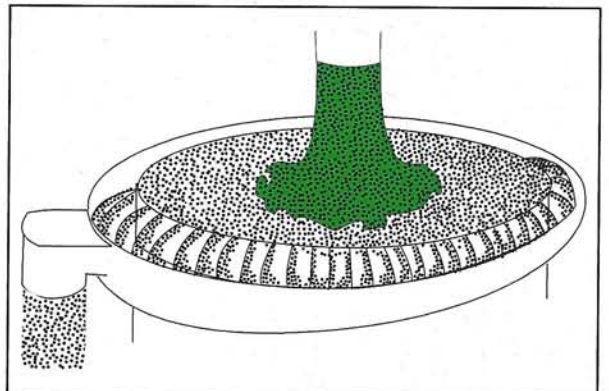
Anti-Blinding Arrangement with Rubber Balls



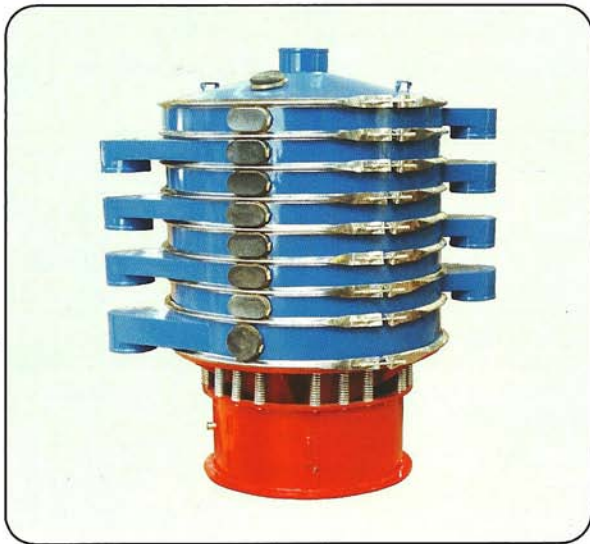
Anti-Blinding Arrangement with Brush



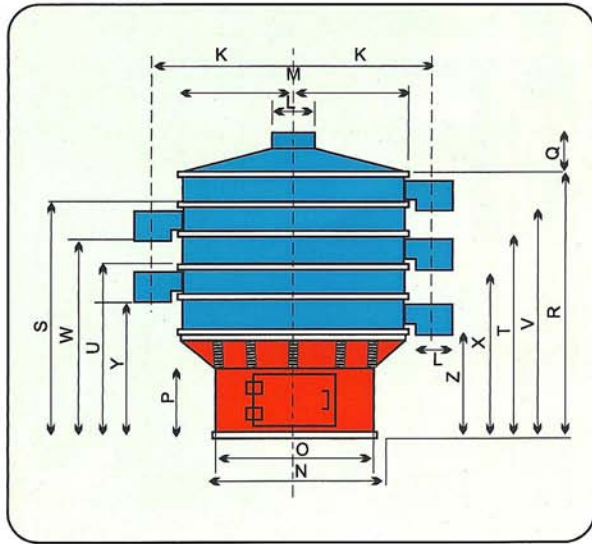
Cascade Arrangement



TEA SORTER



SCHEMATIC DIAGRAM



All Dimensions in mm.

MODEL	Z	Y	X	W	V	U	T	S	R	Q	P	O	N	M	L	K	MOTOR H.P.
S-600	387	501	616	730	845	635	749	863	978	114	305	451	501	622	152	400	0.5
S-750	387	501	616	730	845	635	749	863	978	114	305	559	635	762	152	490	0.5
S-900	422	587	701	815	929	724	838	952	1066	140	280	574	680	925	152	571	0.5
S-1200	565	711	882	1054	1225	901	1073	1245	1416	209	381	831	921	1206	203	743	1.5
S-1500	565	775	984	1194	1403	1016	1225	1435	1645	171	381	1010	1118	1524	203	914	1.5
S-1800	568	816	1063	1311	1559	1083	1330	1570	1825	190	279	1168	1264	1803	203	1035	2.0/3.0