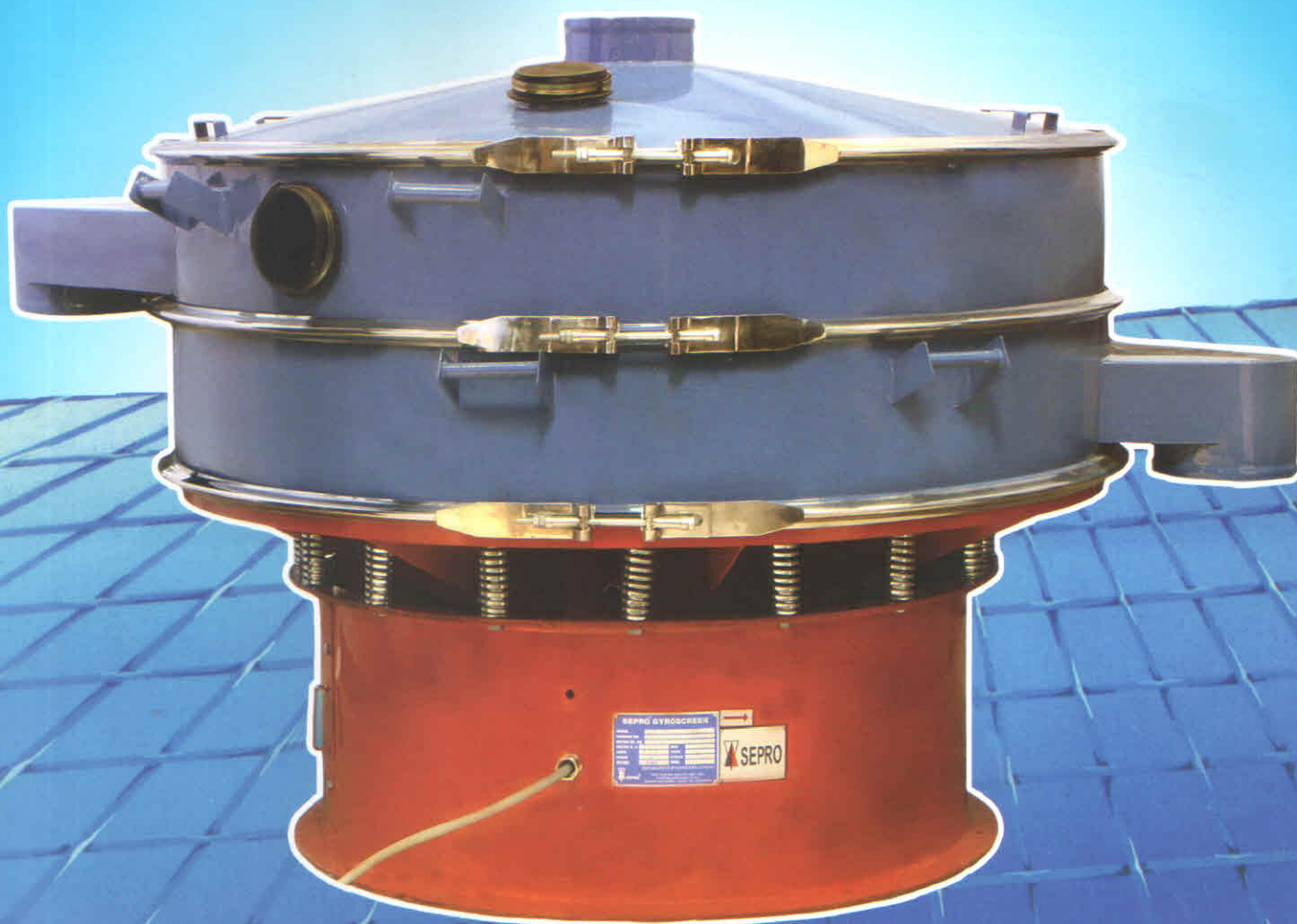




Sepro GyroscreenTM



**Most Efficient Vibrating Screen
for Wet & Dry Screening**

SEPRO GYROSCREEN AN INNOVATION IN INDUSTRIAL SCREENING

The "Sepro GyroscreenTM" is a circular highly efficient gyrotary screen with adjustable multiplane three component inertial mechanical vibration. The heart of gyroscreen is the robust specially made vibrator motor which is designed for long trouble free continuous operation. The vibrator motor which is designed for long trouble free continuous operation. The vibrator motor has double extended shaft fitted at each end with variable eccentric weight. Motor is rigidly mounted on circular vibrating table on rugged sprigs. Number of interchangeable spacing frames having discharge outlets along with tension rings fitted with screen cloth can be mounted one on top of the other, on the vibrating table with the help of clamp rings.

HOW SEPRO GYROSCREEN WORKS

The top weight on the motor shaft rotates in a plane close to the centre of the mass of assembly. Rotation of the top eccentric weights 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 oversize material to discharge at a faster rate.

The bottom eccentric weight rotates below the centre of vibrating, mass creating tilt on the screen giving vibration in vertical & tangential planers. Increasing the vertical component of motion which 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 minimising blinding of screen by "near size" particles.

The tangential component of motion is controlled by the angle

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 or controlled pathway generated at various lead angles are shown below.

The material is fed to the centre of top screen. The undersize material passes rapidly through the screen during its travel to the periphery. The over size material get continuously discharged through a tangential outlet. Sepro gyroscreens are equipped to handle up to five different screens one on the top of the other with screening operation.



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

SEPRO GYROSCREEN FEATURES & ADVANTAGES :

Greater Capacity More Accurate screening
Sepro 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 multiplane action limits screen blinding to an acceptable minimum. However for material having inherent blinding characteristics, Sepro offer antiblinding 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 & increasing screen life.

No Transmitted Vibration

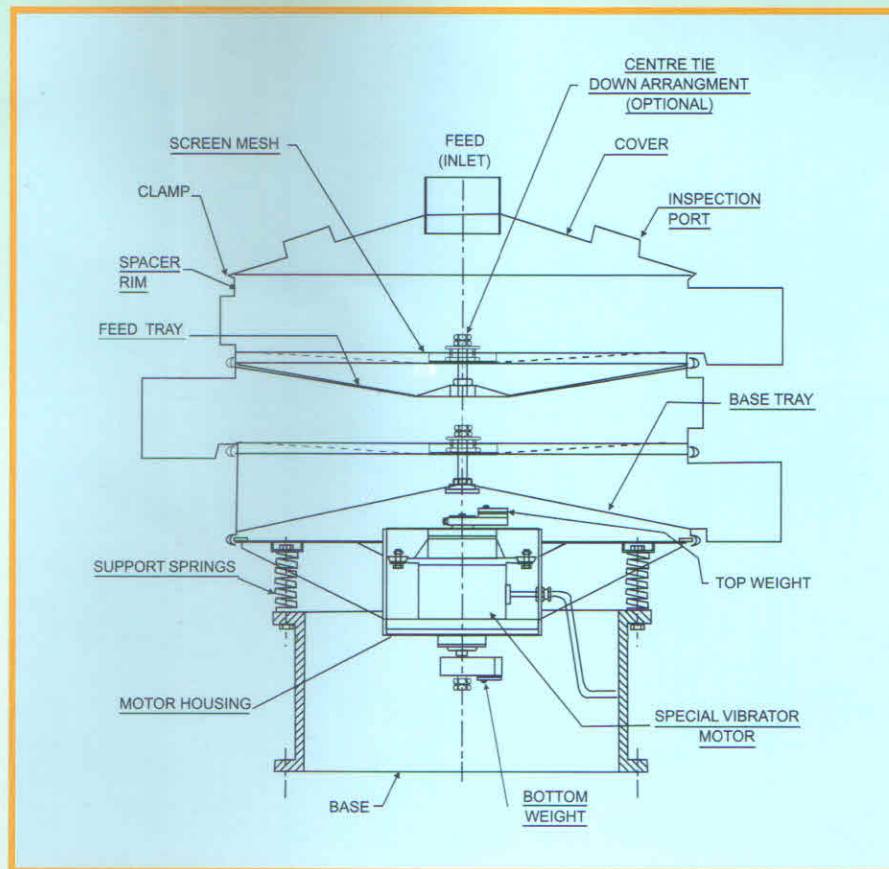
No special flooring or foundation is required. The Sepro gyroscreen may be placed wherever it is needed, like : on top of bins, on wood, on upper floor, on light structures not required to be designed for vibratory screening equipment.

Less space Required

For equivalent capacity, Sepro Gyroscreen requires less space than other screening systems. Compact Sepro units can fit right in to existing Production lines.

Your Price Advantage

Our companies modern conception result in Lower production cost which we pass on 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.



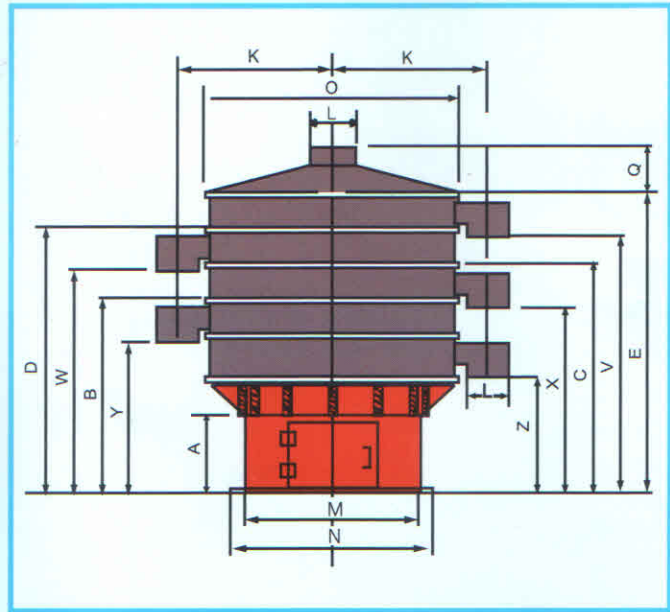
Applications :

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/Shots & 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
 Sugar
 Spices
 Sulphur Powder
 Tea
 Table Salt
 Activated Carbon

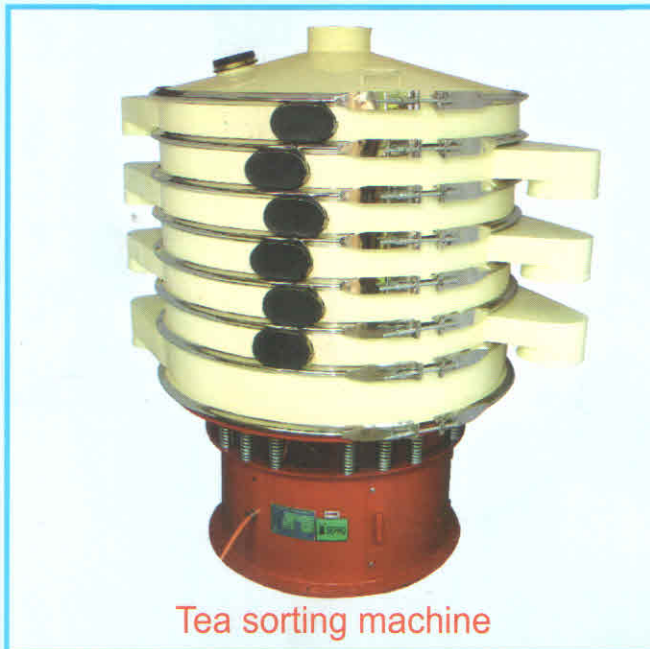
Aluminum & Aluminum Oxide
 Aluminum Chloride
 Animal Feeds
 Bakery
 Carbon Products
 Carpet
 Cosmetics
 Coating Powders
 Dairy Products
 Dewatering Of Slurry
 Dyes & Pigments
 Epoxy Powder/resins
 Flavors
 Flour
 Glass
 Glucose
 Glue/gum
 Graphite
 Grits
 Ice Cream Powder

Insecticides
 Kaolin
 Laundries
 Lactose Powder
 Minerals
 Oxalic Acid
 Paint
 Resins
 Rubber
 Saw Dust
 Slurry
 Steel Shot
 Talc
 Textile
 Tobacco
 Tire Reclaim
 Toothpaste/powder
 Vegetable Oil
 Processing
 Vitamins
 Water



All dimension in mm

MODEL	A	B	C	D	E	K	L	M	N	O	Q	V	W	X	Y	Z	MOTOR H.P.
S-600 (24")	305	635	749	863	978	400	152	451	501	622	114	845	730	616	501	387	0.25
S-750 (30")	305	635	749	863	978	490	152	559	635	762	114	845	730	616	501	387	0.25
S-900 (36")	280	724	838	952	1066	571	152	574	680	925	140	929	815	701	587	422	0.5
S-1200 (48")	381	901	1073	1245	1416	743	203	831	921	1206	209	1225	1054	882	711	565	1.5
S-1500 (60")	381	1016	1225	1435	1645	914	203	1010	118	1524	171	1403	1194	984	775	565	1.5
S-1800 (72")	279	1083	1330	1570	1825	1035	203	1168	1264	1803	190	1559	1311	1063	816	568	2



Tea sorting machine

Our "Sepro Gyroscreen™" is used for sifting, scalping, classification, separation, dedusting filtration, dewatering etc and can handle most simple to most challenging applications

SEPARATION ENGINEERS (INDIA)

In accordance with our policy of continuous improvement in design, we reserve the right to change models/specifications/dimensions without any obligation

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