

## Vibro Sifter



Vibro Separators are circular unitary gyratory screens used to separate mass composition of solids from solids, and for gradation of materials as per particle size, having wide range applications.

The structuring of the machine has been designed in order to achieve the multiple plane vibration by suitable assembly of the specially designed Vibratory motor (constructed for this purpose) having eccentric weight at the top and bottom ends of the motor shaft. The motor is mounted vertically at the centre of the screening assembly, on a circular base by means of springs which allow the Unit to vibrate freely. The springs absorb the vibrations and prevent them to be transmitted on the floor.

The top weight causes vibration in the horizontal plane which causes the material to move across the screen towards the Periphery. The lower weight acts to tilt the machine which causes vibration in the vertical tangential axis. The angle of lead of the lower weight with relation to the upper weight provides variable control of the screening pattern.

Thus the material moves across the screen and also in the vertical and tangential planes enabling maximum screening.

### Features

- Double deck arrangement can be provided
- Safe earthing system
- Faster output at low power consumption
- High Degree of surface finish
- All contact parts made of SS 316 as per GMP standard
- Easy dismantling and cleaning

### Documentation

- Documentation like DQ, IQ, OQ and FAT provided with the machine

## The Unit Consists of

Specially designed vibratory motor to run on 400/440 V, 3 phase, 50 cycles electric supply with adjustable eccentric weight at the centre of the base plate of screening

Screening unit consists of SS 304 / 316 screen sandwiched between SS 304 / 316 hopper and bowl with help of special clamp with gasket. This in turn is clamped to the base plate

## Options Available

- Multi Deck screening GMP unit with SS 304 machine body base instead of MS
- Dust cover or lid for hopper assembly
- SS 316 contact parts
- Castor wheels for mobile unit

## Specifications

Capacity	12"	20"	30"	36"	48"	60"
Motor	0.25	0.25	0.5	1.5	2.0	3.0