



Jas Enterprises  
An ISO 9001:2008 Certified Company  
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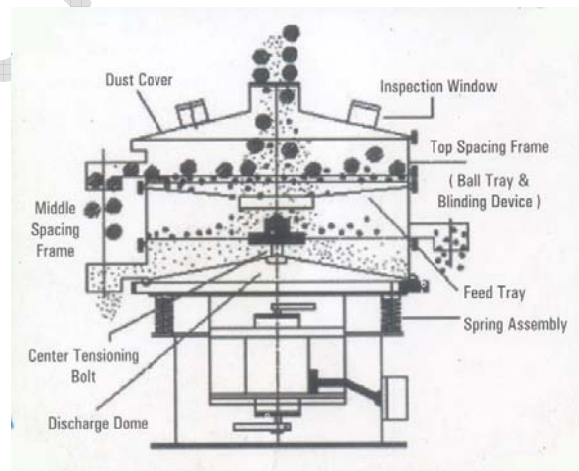
## Vibro Screen

The material to be screened is fed on to the centre of top screen. The undersize material passes rapidly through the screen during its travel to the periphery. The oversize material is continuously discharged through a tangential outlet. Vibro sifters are equipped to handle multiple screens one on top of the other with feed trays in between to give several precise sized fractions in a single screening operation. Special designs with up to seven screens are also available for grading.

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

The bottom eccentric weights rotate below the centre of the vibrating mass creating tilt on the screens giving vibration in vertical and tangential planes. Increasing the vertical component of motion promotes turnover 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.





The tangential component of motion is controlled by the angle of lead given to bottom weights with relation to top weights. Variation in lead angle controls the spiral pattern of material travel over the screen cloth. Speed and flow pattern of material travel over the screen cloth can be set by the operator for maximum through-put and screening efficiency. Typical material travel patterns generated at various lead angles are shown below.





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0° lead average materials will be through straight	30° lead average material will be to spiral	60° lead average materials will give maximum screening pattern	90° lead average materials does not discharge

### Key feature of vibro screen

- **Greater capacity** - gyro screen gives greater capacity per meter square of screening area and oversize material is discharged with relatively less percentage of fines when compared to other screening machines.
- **Minimum blinding** - gyro screen multi-plane action limits screen blinding to an acceptable minimum. However, for material having inherent blinding characteristics, we offer anti-blinding accessories to eliminate blinding.
- **Longer screen life** - screen cloth is held in uniform tension on specially designed mesh frames. The tight screening surface vibrates rigidly without flexing of wires, greatly reducing screen wear and increasing screen life.
- **No transmitted vibration** - no special flooring foundation is required. The Vibro screen may be placed wherever required, like on the top of bins, on wooden floors, or light structures.
- **Minimum space requirement** - for equivalent capacity, vibro screen requires less space than other screening systems. Compact units can fit right into existing production lines.

### Available models of Vibro Screen

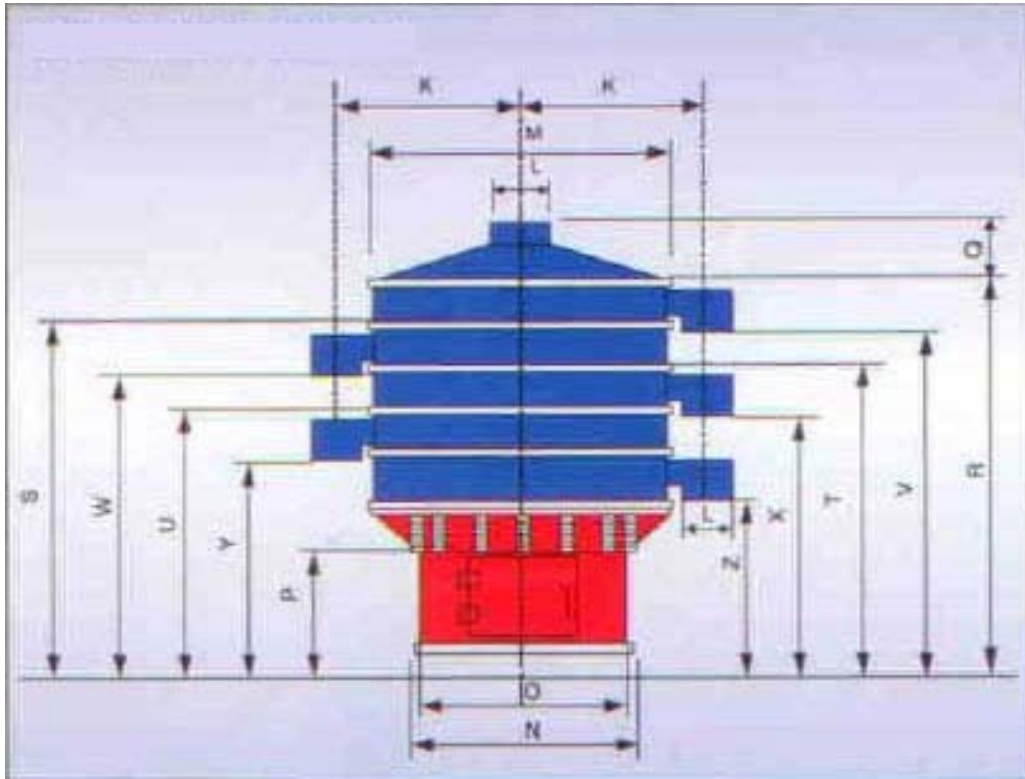
Model	Screen Size in diameter in MM	Screen Size in diameter in Inch	Motor H.P.
Jas-600	600	24	0.5
Jas-900	900	36	1
Jas-1200	1220	48	1.5 or 2.0
Jas-1500	1525	60	2.0 or 3.0
Jas-1800	1820	72	3.0 or 5.0



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**Specifications of Vibro screen**



MODEL	Z	Y	X	W	V	U	T	S	R	Q	P	O	N	M	L	K	Motor H.P.
Jas-600	387	501	616	730	845	635	749	863	978	114	305	451	501	622	152	400	0.5
Jas-900	422	587	701	815	929	724	838	952	1066	140	280	574	680	925	152	571	1
Jas-1200	565	711	882	1054	1225	901	1073	1245	1416	209	381	831	921	1206	203	743	1.5 or 2.0
Jas-1500	565	775	984	1194	1403	1016	1225	1435	1645	171	381	1010	1118	1524	203	914	2.0 or 3.0
Jas-1800	568	816	1063	1311	1559	1083	1330	1570	1825	190	279	1168	1264	1803	203	1035	3.0 or 5.0

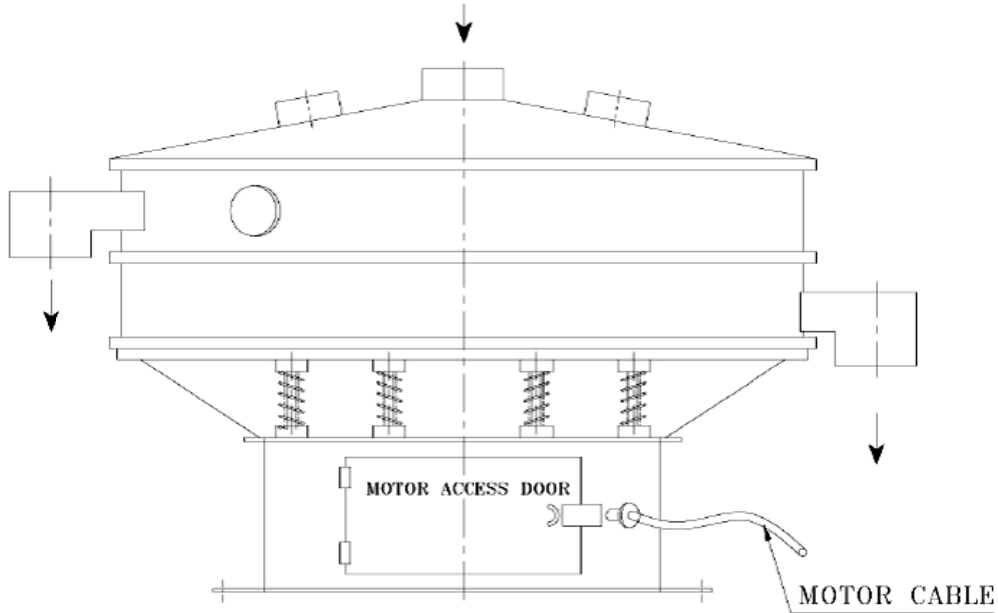


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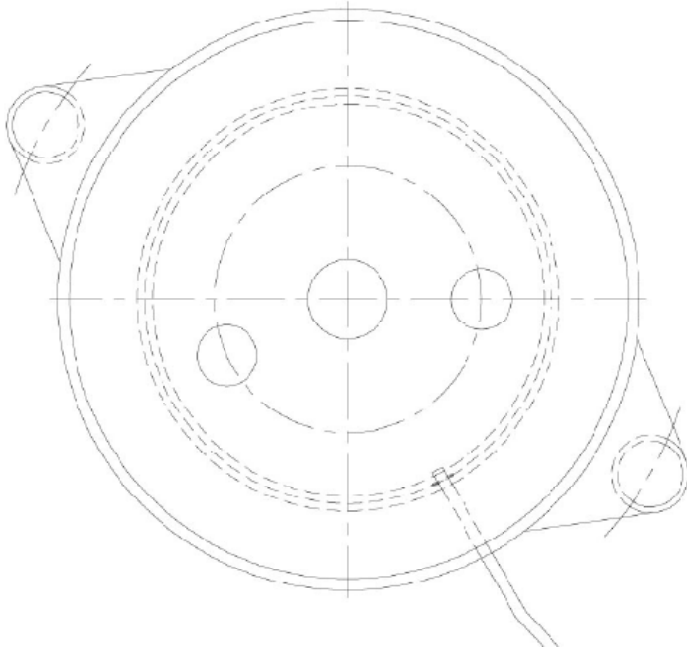
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### Side section view of Vibro Screen



### Top View of Vibro Screen





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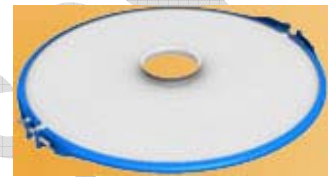
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### Standard accessories of Vibro Screen

- Per deck one screen.
- Suitable vibratory electric motor.
- 3 meter cable & 3 pin top

### Dust Cover For Vibro Screen:

This accessory is must for dust free screening. It is conical cover with an inlet hole in center for feeding material and as inspection window to see the screening process on the mesh. Dust cover is clamped on the topmost deck with the help of 'V' grooved and 'C' clamp and can be removed easily if not required.



### Extra accessories of Vibro Screen

- Extra Screens
- Starters, main switch, ampere meter, capacitor for Three Phase Electric Motor.
- Suitable miniature circuit breaker as per IS: 8828 with 3 pin top as per IS: 1293 for single Phase Electric Motors.

### Anti Vibration Mounts

Isolates the machine vibrations of machine from the ground. It also helps in accurate leveling of the machine.



### Feeder Hopper

This device helps you to ensure continuous and steady feed to the machine. Very useful where feed material is to be manually dumped from bags.





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### Mesh Fixing Fixture

A useful accessory in case where mesh is to be tied frequently due to high wear and tear from abrasive or heavy nature of material. It is still advisable to keep a spare screen ring if the mesh change over is to be done fast.



### Ball Tray / Ring Tray

This is useful to achieve non clog screening. A tray having rubber /PP balls or rubber / plastic rings is mounted underneath the fine mesh screen. The ball / ring get continuous vibrations from machine and hence they jump and hit the fine mesh from below. This makes particles trapped in the mesh holes to fall down and thereby keep mesh opening as clear as possible.



### Application of Vibro Screen

The jas Vibro screens are used for a wide range of applications e.g. **Food industries**, dehydrated food, spices, flour, **agro industries**, guar gum, isabgol, seeds, wheat, sesame, whole spices, soya, **ceramics industries**, zircon, glazed tiles, china clay, **paper industries**, paper, paper board, duplex, **oil industries**, castor, ground nut, soya, oilseeds, **plastics industries**, roto molding, reprocessed granule, P.V.C. resin, P.V.C. cable, **paint industries**, pigments, emulsions, aluminum paste, varnish, solvents, etc., **chemicals industries**, dyes, intermediates, paints, pigments, pesticides, **pharmaceutical industries** shifting, tablet de dusting, granule grading, **metal industries**, ferro alloys, c.i powder, foundries, and many more...