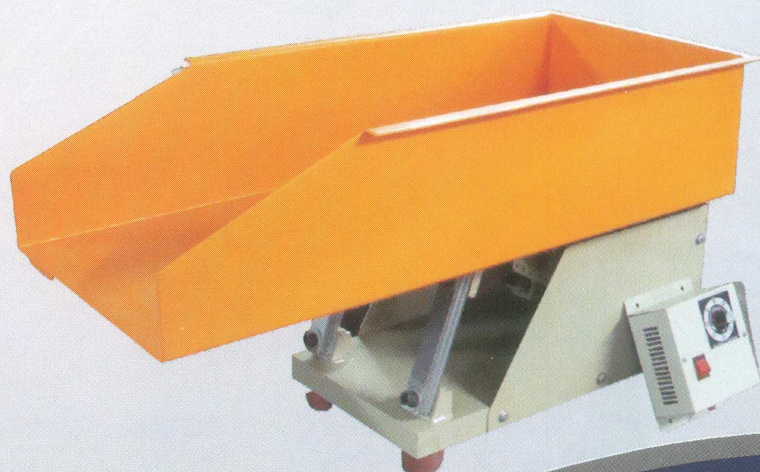
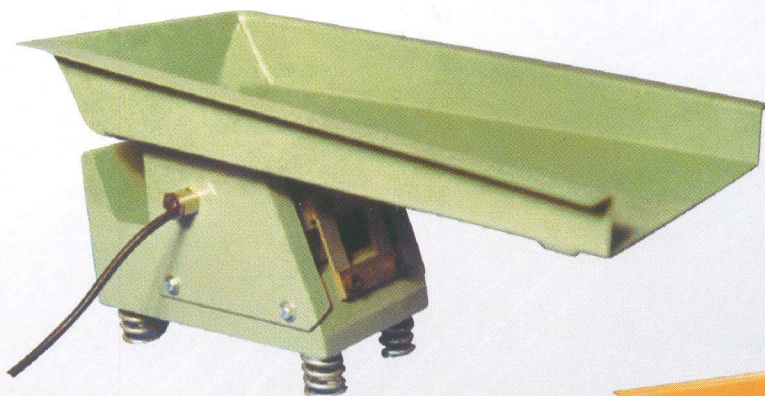
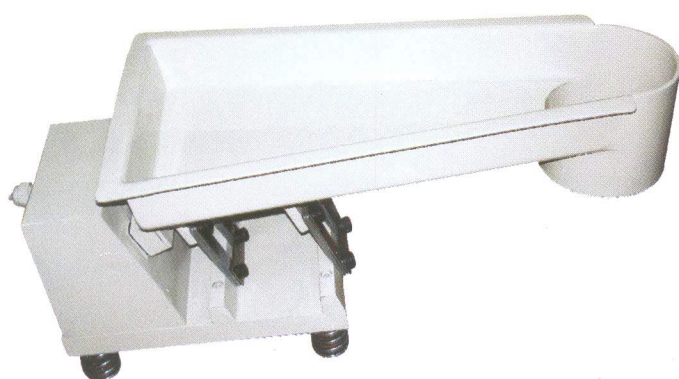




VAIDEHI

ELECTRO MAGNETIC VIBRATORS AND VIBRATORY FEEDERS



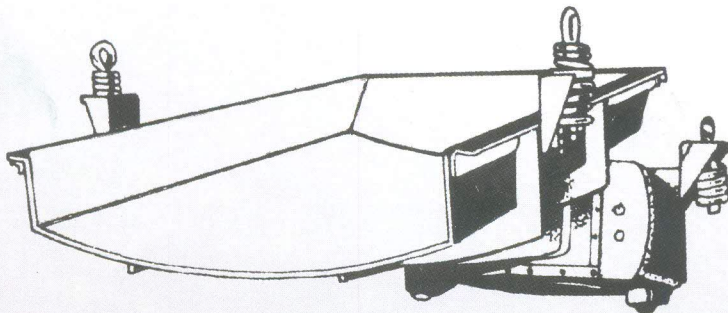
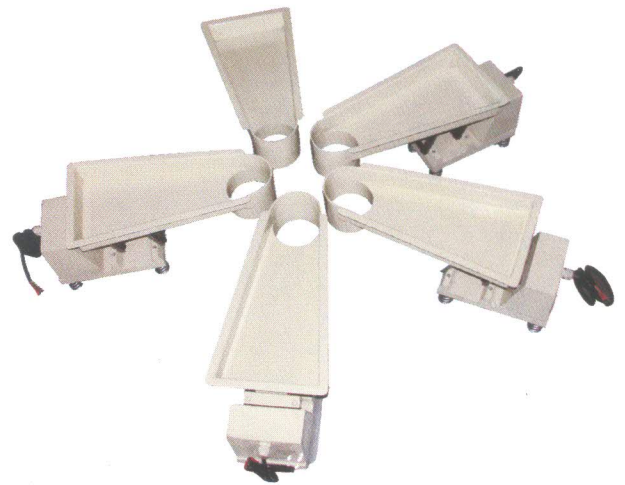
VAIDEHI Electro Magnetic Vibratory Feeders

Viadehi Electromagnetic Vibratory feeders provide the most effective method of conveying bulk materials at desired flow or feed.

Vaidehi Vibratory Feeders have extensive use in steel plants. Ores, mines, food, Packaging, Fertilizers, Chemical, Ceramic, Glass and other allied industries. The variable control and electro-magnetic operation enable the vibratory feeders to handle almost all types of bulk materials-hot, damp, lumpy, dusty or abrasive.

The vibratory feeders can be supplied for a feed rate ranging from a few grams to 1000 tons per hour capacity or even more. These feeders are easy to install and operate. The maintenance is negligible because of no moving parts like eccentrics, bearings, gears, chains etc. Making the equipment most economical.

Vibratory feeders meet the widespread demand for conveying bulk materials under positive control. These are available in a wide range of sizes. The units are available for either base or suspension mounting type as required.



The feeder is an application of an Electro-Magnet to a suitable trough. Movement of the trough is obtained through a spring acted on by a powerful electro-magnet, working in synchronisation with the periodicity of supply. The positive through action induces flow with almost negligible friction between the material and the trough.

STANDARD SIZE				
Type	Type	Trough Size in MM	Capacity (100 Lbs/cu. Ft) 1600 kgs/cu. Mt.	Power Consumption (Approx)
VF-01	Base mounted	200 x 450	1 M Tonnes	80 watts
VF-02	Based mounted	250 x 500	5 M Tonnes	120 watts
VF-10	Suspension type	250 x 600	10 M Tonnes	175 watts
VF-20	Suspension type	300 x 900	20 M Tones	250 watts
VF-50	Suspension type	600 x 900	50 M Tonnes	450 watts
VF-100	Suspension type	750 x 1500	100 M Tonnes	1200 watts

The capacities given for each feeder are based on handling dry sand or coarse materials, weighing 100lbs/cu. Ft. or 1600kgs./cu.mt. Capacities can be enhanced by increasing the down slop of trough and by using wider skirt boards.

VAIDEHI Electro Magnetic Bowl Feeders

Vaidehi electro-magnetic Bowl feeders are an asset to industries involved in automatic assemblies, testing, inspection and finally packing them in mass production. These units provide desired orientation of components in line feeding to processing assembly and packing operations at high feed rates. They can handle components made of metal, rubber, plastic, ceramic, glass etc. Without causing any damage to them.

The feeder consists of an electromagnetic vibrator unit, having a rigid base and a light top disc connected to the flat springs, vibrates at 3,000 vibrations per minute. The bowl fixed on the top of the vibrator unit gets the required vibration resulting in movement of the components in the bowl.

The bowl is provided with a track going upward, in such a manner that the parts while moving up gets desired orientation. The feed rate can be controlled to the required level by a regulator provided in the controller.

The bowl is made of stainless steel. The bowl feeders are available from 150mm dia to 1000 mm dia. The selection depends on the size, type of orientation and feed rate of the components.

Optional: PU Lining and sensor controllers are available on request.

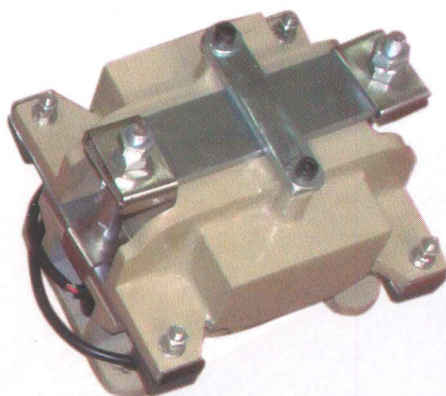


VAIDEHI Electro Magnetic Vibrators:

Vaidehi Electro Magnetic Vibrators are useful to provide a most effective method of obtaining the continuous and free flow of bulk materials from bins and hoppers, and through chutes. These vibrators are also used on screens to increase their capacity, to eliminate air pockets and voids on forms, on containers to increase their weight contents for packaging machines and other material handling equipments.

The vibration is obtained through a spring floated body acted on by a powerful electro magnet energized by the pulsating current provided through rectifier. The amplitude of vibration can be adjusted from zero to full by means of a controller furnished with each vibrator.

The electro magnetic of vibrators eliminates mechanical and pneumatic parts, bearings eccentrics, chains, belts, valves etc. And hence requires minimum of maintenance in the absence of the moving parts.



SPECIFICATION

Model	Trough Size in mm	Capacity (100 Lbs/cu. Ft) 1600 kgs/cu. Mt.	Thickness of Hopper Metal		Power Consumption		Approx. Wt. of vibrator
			Normal	Max.	Watts	Amps.	
VIV	01	3 Cu: Ft	1.5 mm	3 mm	80	1.5	7.5 Kgs.
VIV	02	40 Cu: Ft	3 mm	5 mm	120	3	30 Kgs.

Important:

To get maximum results the vibrators should be installed as near as possible to the point where the material likely to build up.

To select an appropriate model the following factors should be taken into account.

Weight of the material to be vibrated.

Percentage of moisture contents.

Thickness of hopper chute or form.

Range of Products

Coolant Filtration Systems

Magnetic Coolant Filter
Drum Type Paper Filter
Paper Band cum Coolant Filter
Hydro Cyclone Filter

Electromagnetic Systems

Vibrators
Vibratory Feeders
Vibratory Bowl Feeders
(Component Feeders)
Vibratory Tables

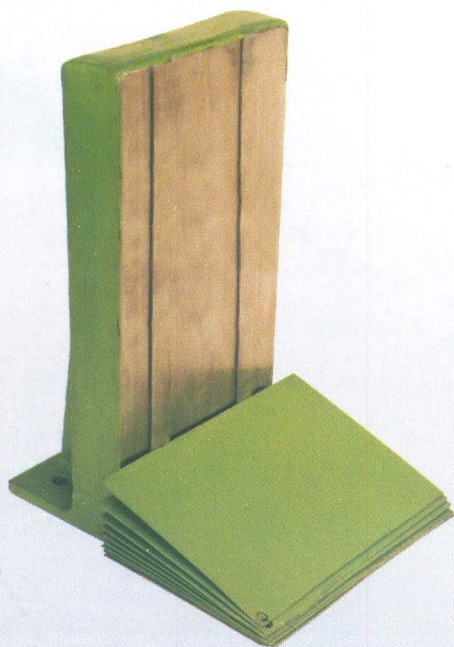
Permanent Magnetic Systems

Drum (Single/Double) Separators
Plate Separators
Hopper Magnets
Magnetic Pulleys
Magnetic Rolls
Floor Sweepers
Magnetic Sheet Floats

Rare Earth Magnets & Special Magnetic Assemblies as per requirement.

VAIDEHI Magnetic sheet floats are widely used in press shop. When a magnetic sheet float is placed along the stack of MS Sheets it generates a gap between few upper most sheets and make it easy to remove the upper sheet from the stack to feed the power press and hence it improves the feed rate/press strokes.

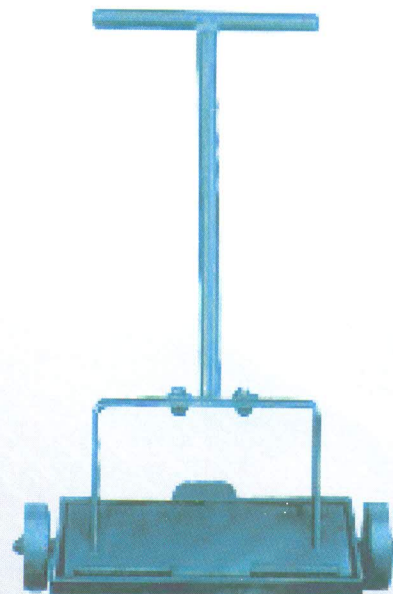
Magnetic Sheet Float



Vaidehi Magnetic floor sweeper is widely used in collection of scraps from the shop floor, foundries & machine shops. The foot lever is provided to remove the scraps. The sweeper is mounted on wheels with handle and available in three sizes.

Cat No.	Plate size (LxW)
MFS-12	300x130 mm
MFS-18	450x130 mm
MFS-24	600x200 mm

Magnetic Floor Sweeper



Manufactured by:
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