

**Other Details Compaction Table:** Heavy duty for maximum loads, Standard or custom made to specification, Speed and impact adjustable, compaction tables can be supplied. It is most are both speed and force adjustable and Heavy-duty construction, These tables can be used for packing, setting, casting concrete as well as fatigue testing. Vibration is isolated from the frame with inflatable, rubber mounts or springs. No vibration transfer to the floor. Vibrating platform with a working surface as low as 2feet from the floor. The platform table can be used under filling machines for packing drums and barrels. Low profile eliminates the need for raising machinery or breaking into the floor and makes loading and unloading heavy drums easier. Packing more material for given volume saves costly spaces and lower escalating transportation cost.

#### **Working Principle of Vibratory Compaction table**

An unbalanced vibrator motor placed at the bottom of the table makes the table to oscillate. By adjusting the unbalanced motor; when at stand still, oscillation can be increased or decreased as per final requirement. On the other hand if an electric control with frequency controller is put to use, changing of vibration frequency even while operation is possible or by altering the eccentric weight in standstill condition. All parameters influencing vibration are adjustable according to norms in bringing out productivity. The whole vibrating table operates on a simple principle but to put all of them together and bring out a product for sales with maximum competency needs, expertise and skill which one can expect from the leading manufacturers, suppliers and exporters. We value your relationship and would cater to your needs by bringing tailor made vibrating tables that escalate performance and directly saving money and time in the operations front.



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**Equipments Pvt. Ltd.**

**Manufacturer of :**  
**Cable Reeling Drums, Cable Drag Chain,  
Collector Column, Festoon Trolley,  
Vibrating Feeders and Screen & Spares.**

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## Vibrating Feeders

### Electromechanical Vibrating Feeders

Mitool Heavy-Duty Vibro Motor Powered **electromechanical Vibrating feeders** are high frequency vibrating machine of heavy duty capable of conveying bulk material from storage to processing or between processed at a continuous controlled rate flow.

**Mitool Electromechanical Vibrating feeders** are used in processing industries for handling all type of materials such as hot, damp, lumps, dusty or abrasive for various functions like flow of material from storage, proportioning and blending, packaging, mixing, weighing, sprinkling, screening, scalping, crushing, washing, drying, heating, cooling, dusting, spreading, batching and etc.

### VIBRATORY MOTORS:

**Mitool Vibratory Motors** used in Vibro feeders are totally enclosed 3 phase, squirrel cage induction motors with adjustable, eccentric weights mounted on the extended shaft to set up vibrations during rotation. The design of shaft and the selection of bearing has been carefully done to withstand heavy radial loads. Two identical motors mounted parallel to each other on a right and left, which is free to move in clockwise or anticlockwise directions, will produce linear vibrations. Both motors

must rotate in opposite direction to each other. This principle is adopted for handling large bulky material in large feeders.



BASE MOUNTING



SUSPENSION MOUNTING

### CONSTRUCTION:

#### VIBRATORY FEEDER:

Mitool Vibrating electromechanical feeders can be supplied with base mounted type of suspension or one end suspension & one end base and vice versa. These

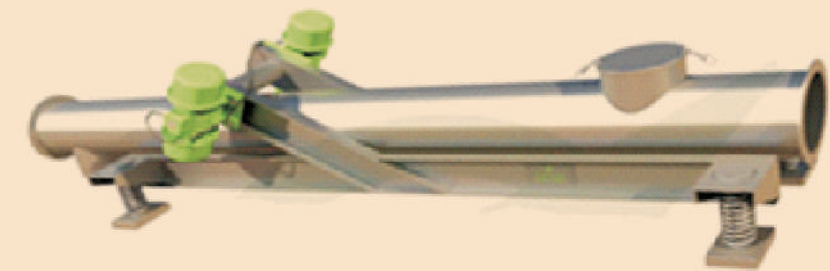
electromechanical feeders are having a tray mounted on the drive units. This drive unit is located beneath the tray or on top of the tray in special case.

### Tubular Vibratory Feeder

Mitool Tubular Feeders ensure that all the material is safely transferred from the feed hopper to the required destination.

Available in round or square sections, Mitool Tubular Feeders are manufactured in a range of 160 mm dia to 500 mm dia and in lengths of from 1 meter to 5 meters.

Tubular Vibratory Feeder can be operated by vibratory motors or electromagnetic drive units Mitool Tubular Feeders can be operated at tube angles from 10° up hill to 15° down slope only in motorised Tubular Feeder.



### WORKING PRINCIPLE:

Mitool tubular vibrating feeder is an important inertial-vibrating conveyor. It has simple structure and various forms and specification, which can meet the demand of short and intermediate transportation of all kinds of small block, granular and powder material, widely used in different environment in various industries.

## Vibratory Compaction Table

We are also manufacturing & supplying of Vibratory Compaction Table. The offered compaction table is designed using superior quality components and ultra-modern technology in compliance with industry norms. Our compaction table is checked on various quality measures in order to maintain its quality. Moreover, this compaction table is precisely designed to fulfill the demands of various industries and is sturdy in construction.

