



enmm
VIBRATORY EQUIPMENT



ENMIN VIBRATORY EQUIPMENT

The modern trend in high speed packaging, filling and weighing operations is to put more product into a container and to use smaller containers for the same weight product wherever possible. These steps can reduce container damage in shipment or storage and can reduce container and shipping costs per unit of weight.

MOTOR DRIVES

Out of balance vibratory motor drives have proved the most economical and reliable method of powering vibratory tables. In relation to their cost and weight for the output energy, these drives far surpass other methods. Combined with the application of frequency inverters, surprisingly accurate vibration control can be achieved.

PRINCIPLE OF OPERATION

By operating the drive motors in opposing directions, the eccentric weights combine to produce a linear force. When the eccentric weights are opposed a zero force results. By adjustments of the motor weight positions, changes in the acceleration will occur giving increased or decreased feed rates.

ADJUSTING THE ECCENTRIC WEIGHTS

The resultant force output, amplitude and final product conveying speed is readily adjustable on all feeders. Percentage settings are marked on the weights of each motor. Loosening the outer eccentric weight enables the eccentric to be adjusted to the desired percentage of maximum force available. It is imperative that the motors are wired for counter rotation.

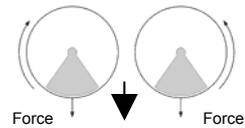
APPLICATIONS

The technique that many industries are discovering is vibratory compaction. Applicable to a wide range of free flowing and semi-viscous products, vibratory compaction produces more dense and uniform distribution of product within a confined space.

Experience in the chemical, food and hard goods industries has ranged from powders, pellets and granules, to hard goods such as nuts, bolts and manufactured parts. Diversity of packages has included palletized corrugated bulk containers, portable shipping hoppers, wire bound boxes, fiber and steel drums.



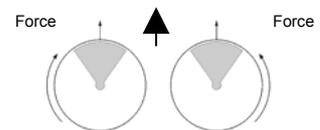
PRINCIPLE OF OPERATION



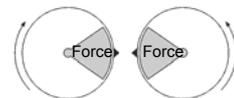
Both eccentrics in down position. Resultant force is downward.



Both eccentrics outward and opposed, 180apart. Resultant force is zero is zero due to cancellation



Both eccentrics in up position. Resultant force is upward.



Both eccentrics inward and opposed, 180 degree apart. Resultant force is zero due to cancellation effect





EVT - ENMIN VIBRATORY TABLE

IN-BOARD

When outer dimensions are critical or building the table within an existing product line, in-board vibratory tables are an obvious choice. Common applications will include concrete compaction, filling stations or general settling of product.

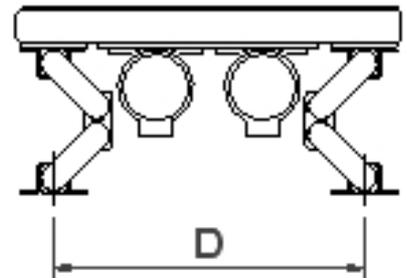
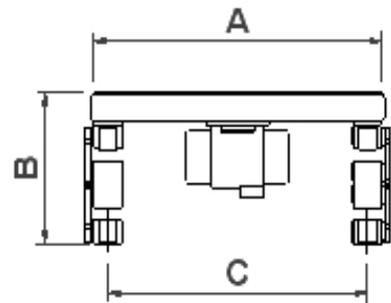
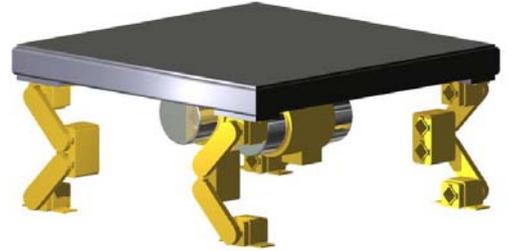
MODEL	Max Load (kg)	A	B	C	D	VPM
EVT 50 - 50 - IB	250	500	283	359	450	3000
EVT 120 - 120 - IB	1000	1200	349	1014	1150	3000
EVT 200 - 200 - IB	1500	2000	461	1760	1900	3000

OUT-BOARD

With the ever increasing use of bulk-a-bag filling or the problems associated with product compaction in bulk storage bins, the outboard version ensures loading and un-loading as close to the floor as possible.

MODEL	Max Load (kg)	A	B	C	D	VPM
EVT 50 - 50 - OB	250	500	188	440	440	3000
EVT 120 - 120 - OB	1000	1200	298	1120	1120	3000
EVT 200 - 200 - OB	1500	2000	298	1920	1920	3000

Note : All information presented can be changed without notification, please consult the factory before using any of the information presented. All dimensions are represented in millimeters.





Enmin's core business is the design and manufacture of Electromagnetic and Electromechanical Vibratory Equipment servicing a wide range of industries.

Flow problems are often unique to each customer and materials they process, therefore Enmin employs a flexible and customized approach to each application, guaranteeing the most suitable solution is provided.

Any industry handling dry bulk materials, processed products, packaged goods or parts will can employ Enmin Vibratory Equipment. We offer 25 years experience solving material flow problems with support that's second to none!

