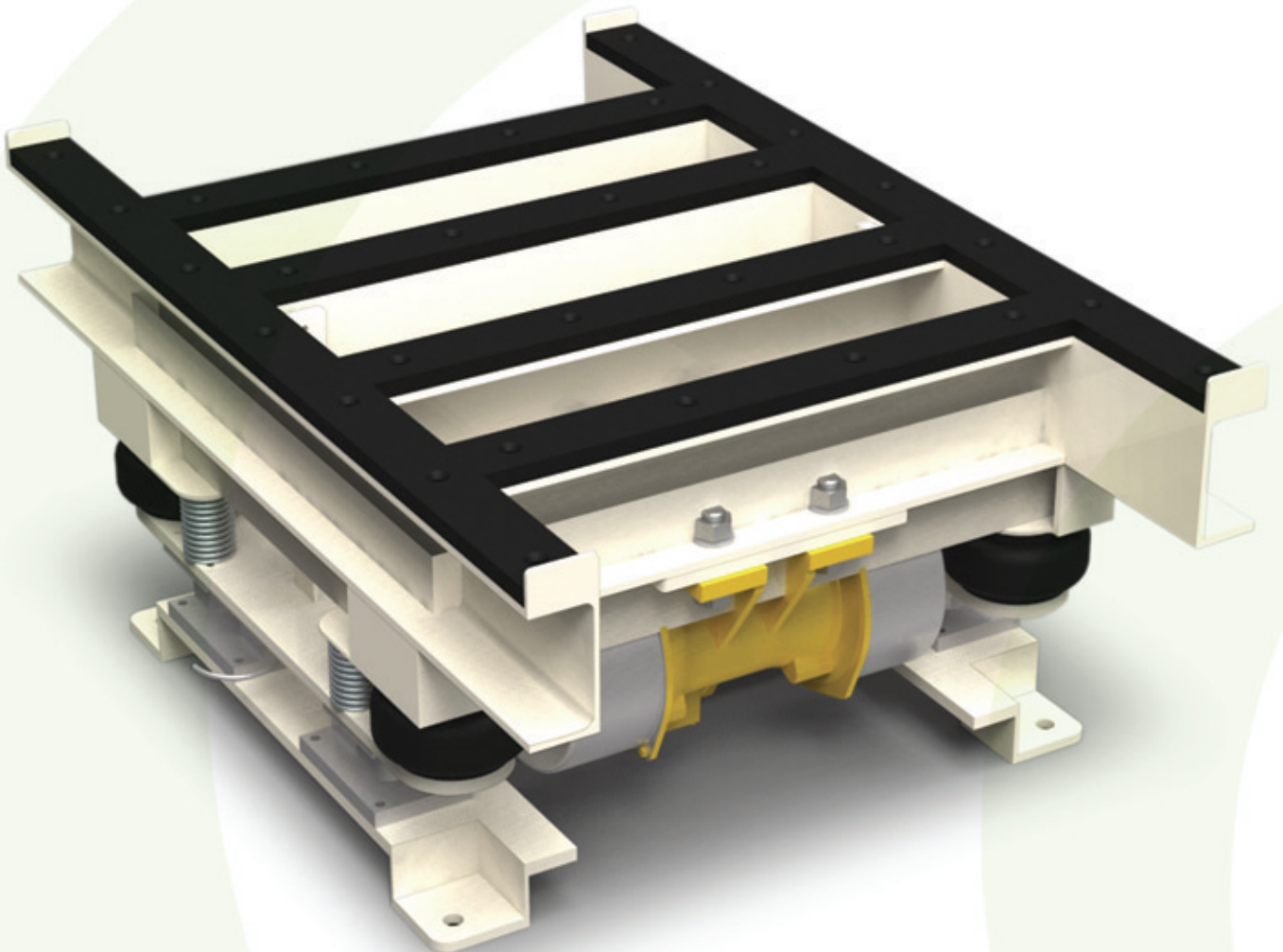


**enmm**  
VIBRATORY EQUIPMENT

# vibratory table



# INTRODUCTION

## ELECTRO-MECHANICAL DRIVES

Out-of-balance electromechanical drives have proved to be the most economical and reliable method of powering vibratory feeders. The drives' relative output (considering their cost and weight) far surpasses other methods.

When used with frequency inverters surprisingly accurate feed control can be achieved.

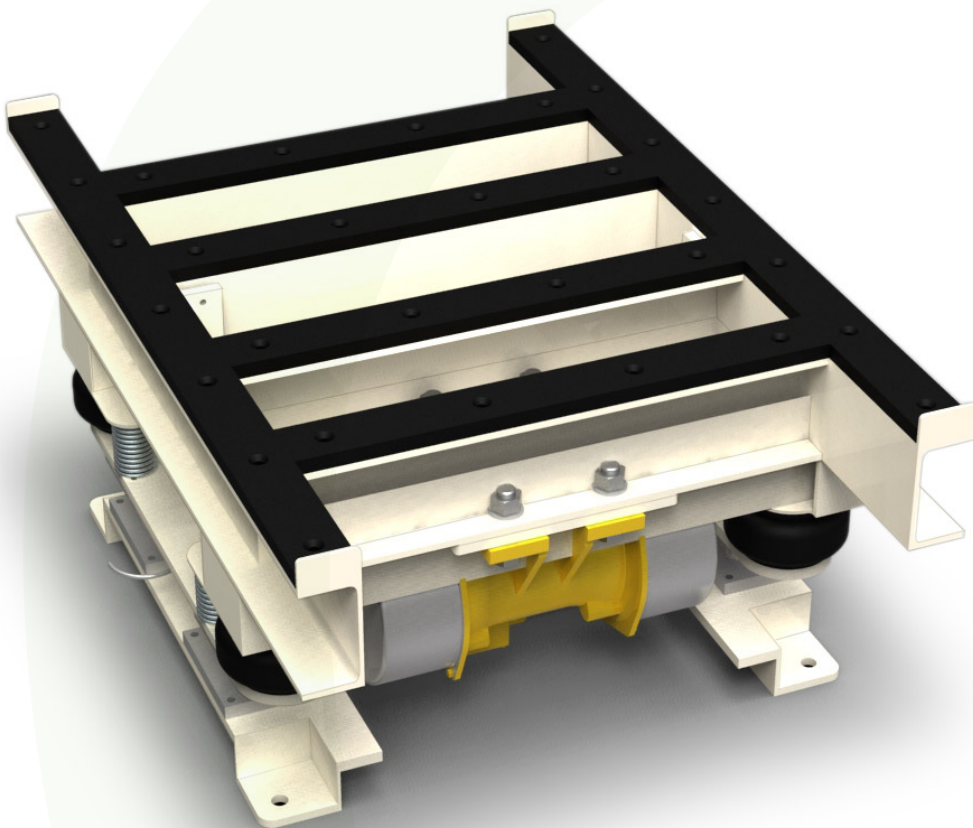
## HOW DO THEY WORK?

When the drive motors are run in opposing directions the resulting eccentric weights combine to produce a linear force. When these eccentric weights oppose each other a zero force results.

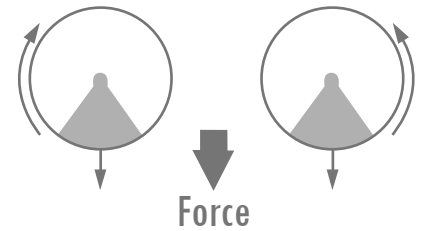
## ADJUSTING THE WEIGHTS

To adjust the vibrating force of a motor simply loosen the outer adjustable weights on each side of the motor and align them with the desired percentage settings on the inner fixed weights.

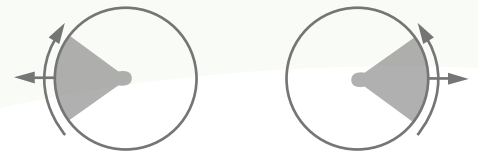
The position of the inner fixed weights should never be altered.



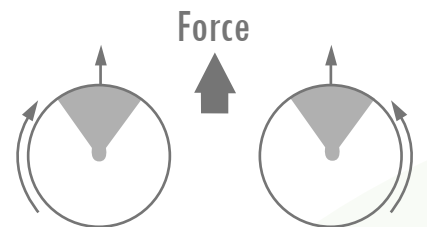
## PRINCIPLE OF OPERATION



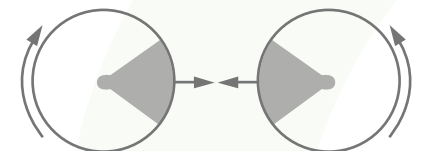
Both weights are in the down position. Resultant force is downwards.



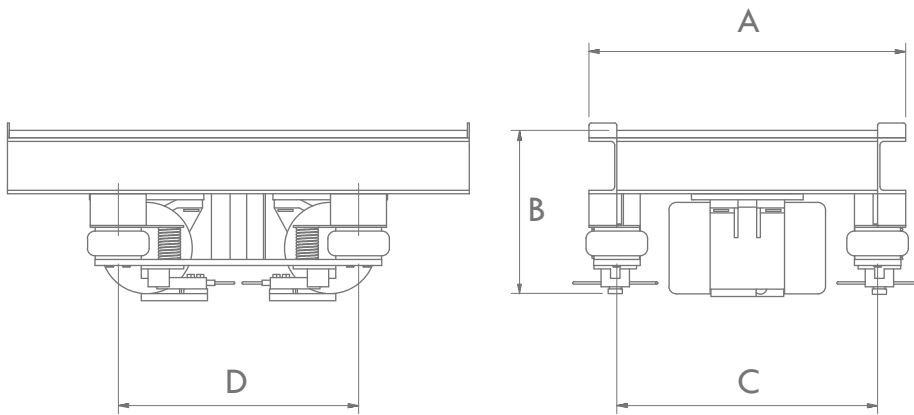
The weights are outwards and opposed, 180 degrees apart. The resultant force is zero as these two forces cancel each other out.



Both weights are in the up position. Resultant force is upwards.



The weights are facing inwards and opposed, 180 degrees apart. The resultant force is zero as these two forces cancel each other out.



# ENMIN VIBRATORY TABLE

In-board vibratory tables should be selected when outer dimensions are critical. Common applications include concrete compaction, filling stations and general settling of product.

An out-board vibratory table would be used when filling bulk-a-bags, or to overcome the problems associated with product compaction in bulk storage bins. This version ensures that loading and un-loading can occur as close to the floor as possible.

## EVT

IN-BOARD	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	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

