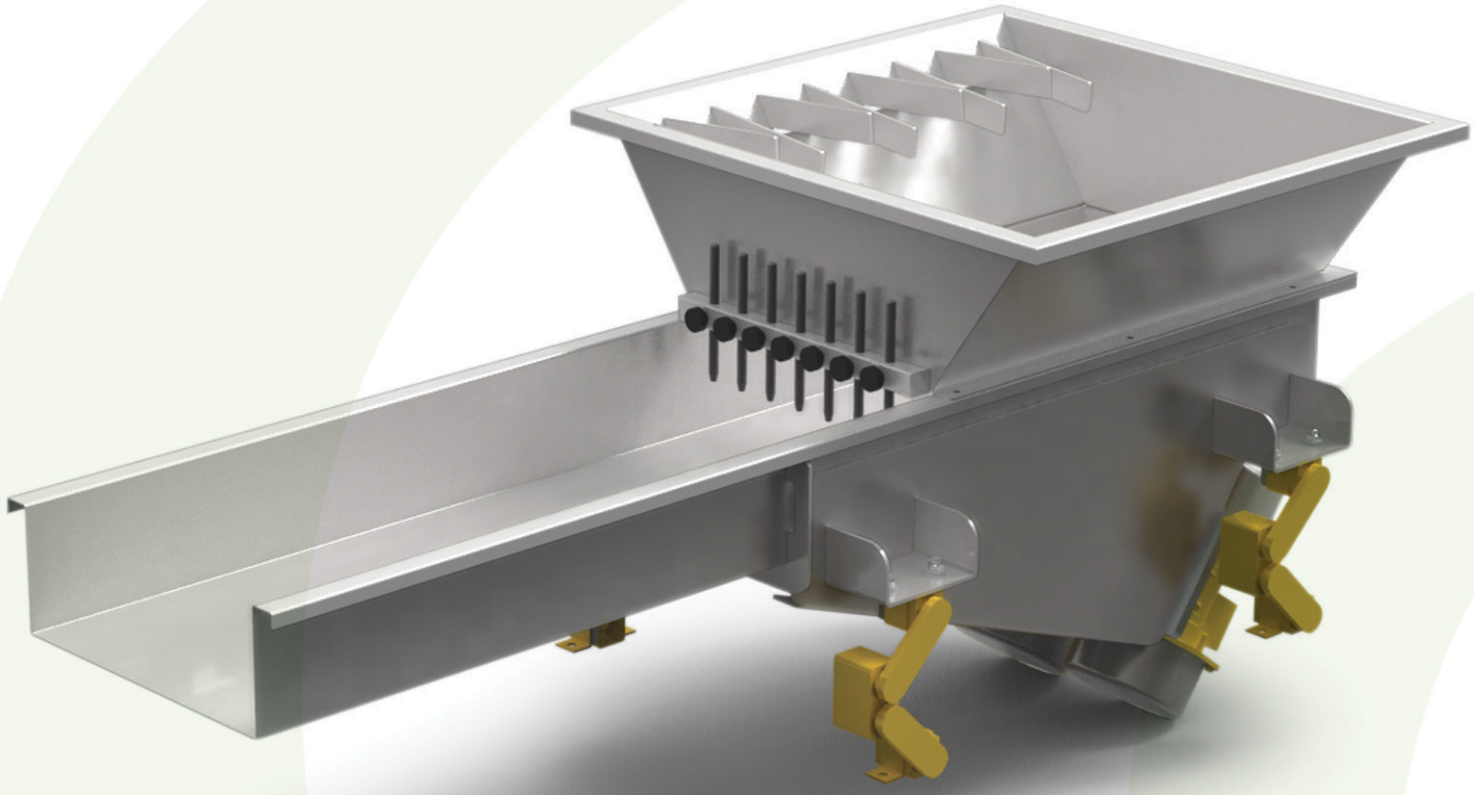
enmin

VIBRATORY EQUIPMENT

hopper feeder



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.

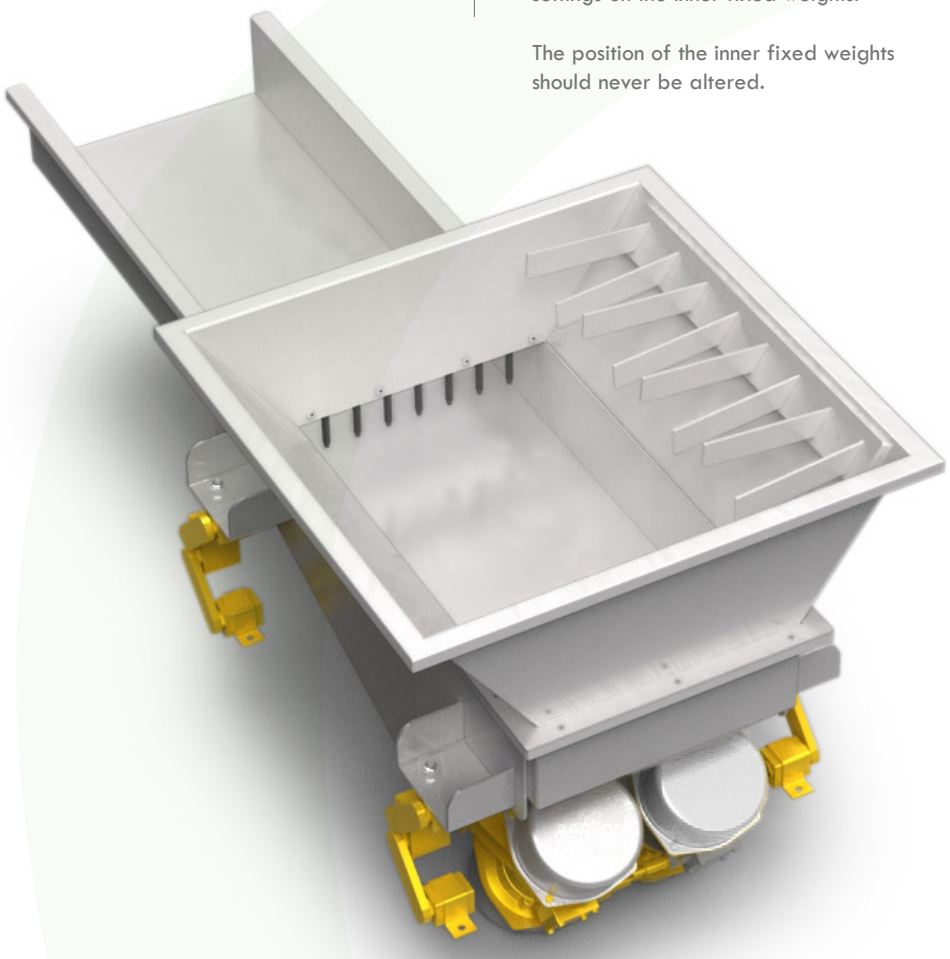
HOW DO THEY WORK?

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.

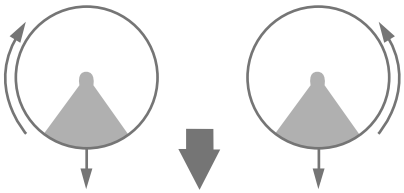
ADJUSTING THE WEIGHTS

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.

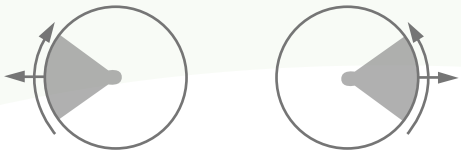
The position of the inner fixed weights should never be altered.



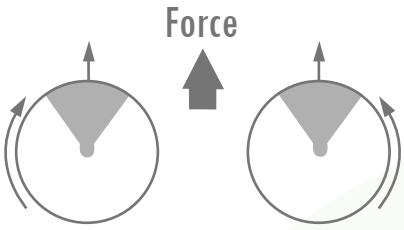
PRINCIPLE OF OPERATION



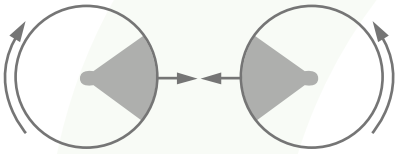
Both weights are in the down position. Resultant force is downwards.



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.

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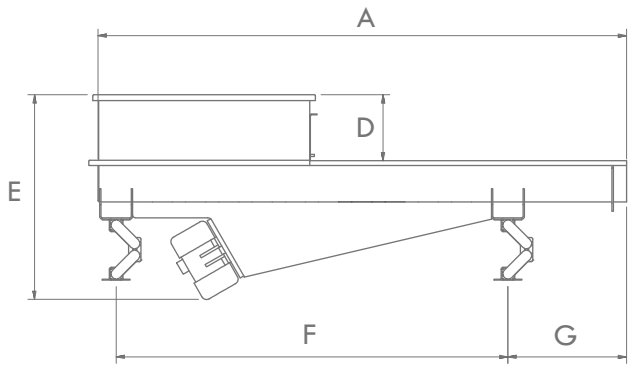
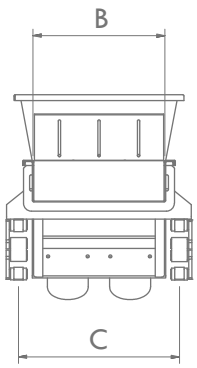




ENMIN HOPPER FEEDER

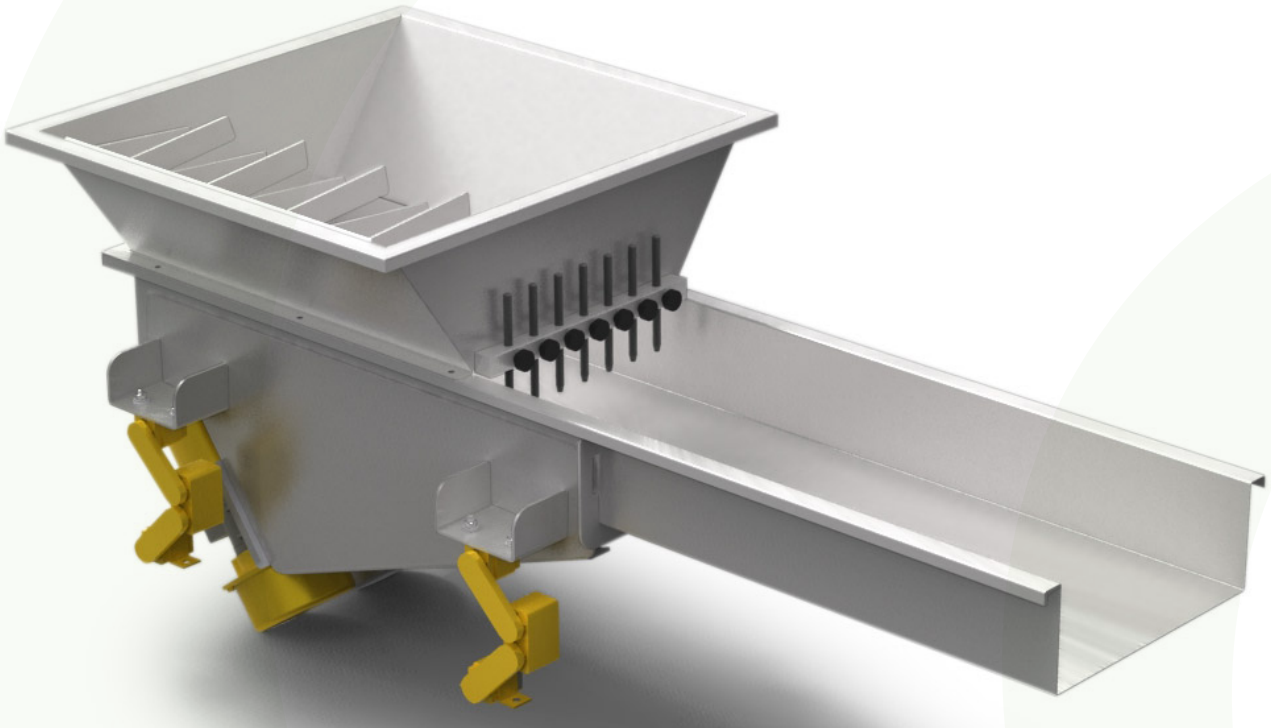
Enmin Hopper Feeders are extremely useful in instances where a static hopper may cause blockages to product flow. The live hopper not only acts as storage but helps to keep the flow of product continuous.

These machines can be designed to include screens or de-watering sections to remove unwanted materials.

Other accessories include an adjustable control gate, which ensures regulated flow from the unit, and de-clumping bars which can be installed to break up material entering the hopper.

EHF

	A	B	C	D	E	F	G
EHF 100-40	1000	400	510	200	661	685	250
EHF 100-50	1000	500	610	250	711	685	250
EHF 100-60	1000	600	710	300	761	685	250
EHF 200-40	2000	400	510	200	661	1483	450
EHF 200-50	2000	500	610	250	711	1483	450
EHF 200-60	2000	600	710	300	761	1483	450
EHF 300-40	3000	400	510	200	661	1925	716
EHF 300-50	3000	500	610	250	711	1925	716
EHF 300-60	3000	600	710	300	761	1925	716



Note: Information presented may be updated without notification. Please consult Enmin if exact dimensions are required

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