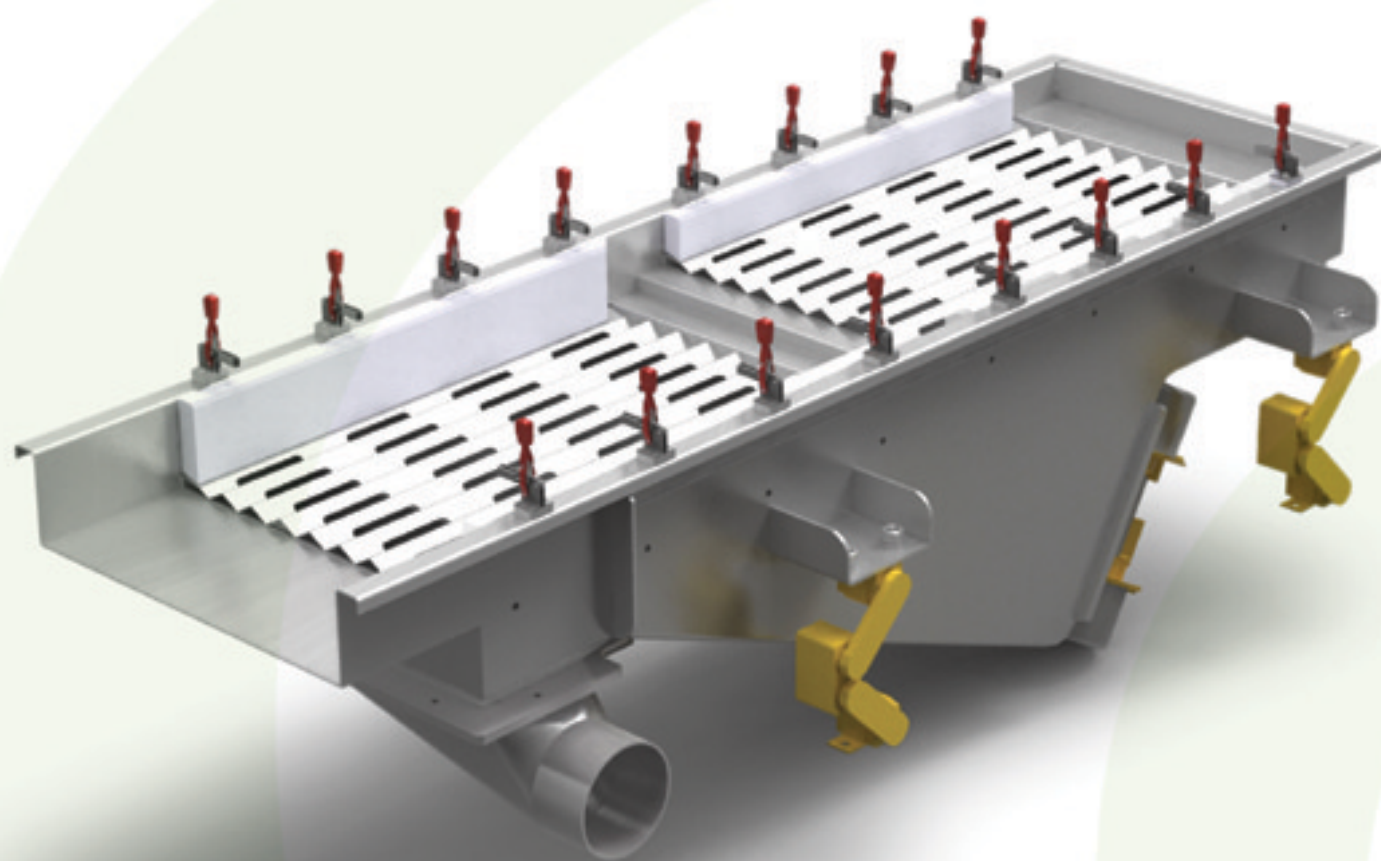


enmm
VIBRATORY EQUIPMENT

motor screener



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.

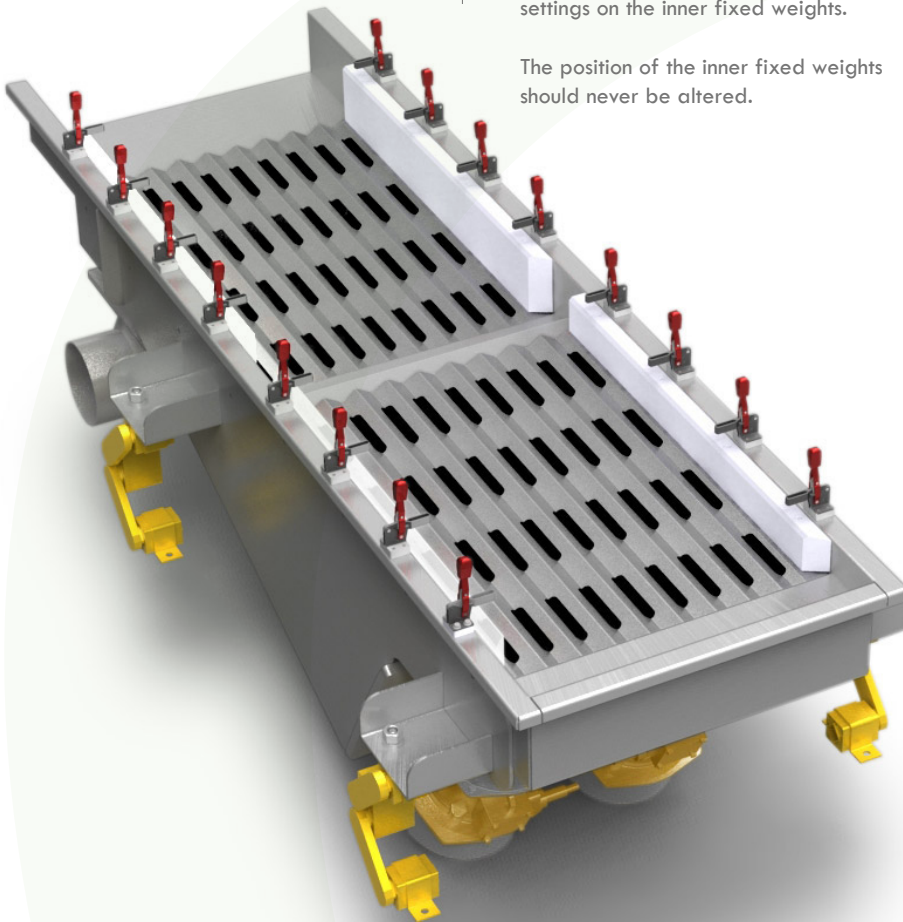
HOW DO THEY WORK?

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.

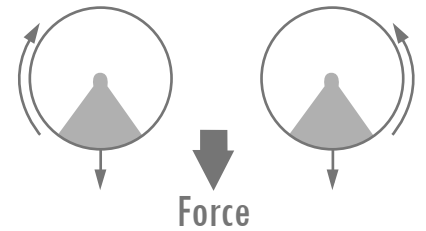
ADJUSTING THE WEIGHTS

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.

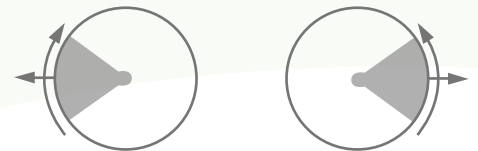
The position of the inner fixed weights should never be altered.



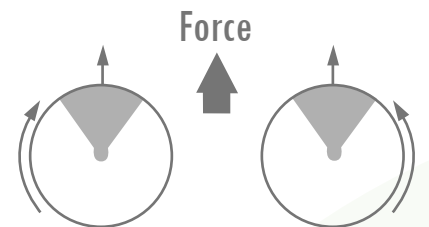
PRINCIPLE OF OPERATION



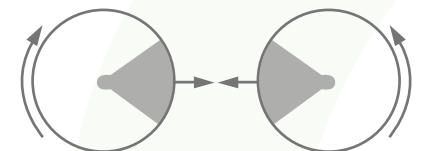
Both weights are in the down position. Resultant force is downwards.



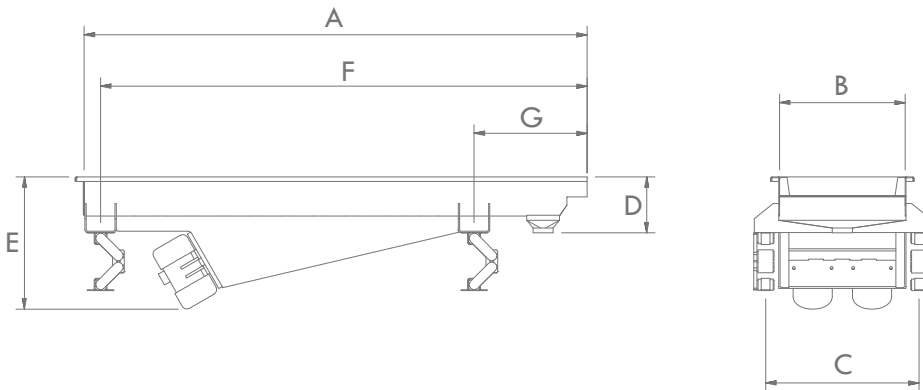
The weights are outwards and opposed, 180 degrees apart. The resultant force is zero as these two forces cancel each other out.



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 MOTOR SCREENER

Motor screeners can be either base mounted or suspended.

These machines are often utilised within the food industry and parts can be designed for quick disassembly, allowing ease of maintenance. Quick-release clamps can be used to allow the screen to be removed promptly when required.

There are a variety of screen options made from either woven wire mesh, wedge-wire or punch plate. These include:

- Side/Rear tensioned
- Single/Double decks
- Fines removal
- Enclosed discharge chute

EMS

	A	B	C	D	E	F	G
EMS 100-40	1000	400	510	226	461	685	250
EMS 100-50	1000	500	610	226	461	685	250
EMS 100-60	1000	600	710	226	461	685	250
EMS 200-40	2000	400	510	226	526	1483	450
EMS 200-50	2000	500	610	226	526	1483	450
EMS 200-60	2000	600	710	226	526	1483	450
EMS 300-40	3000	400	510	226	624	1925	716
EMS 300-50	3000	500	610	226	624	1925	716
EMS 300-60	3000	600	710	226	624	1925	716

