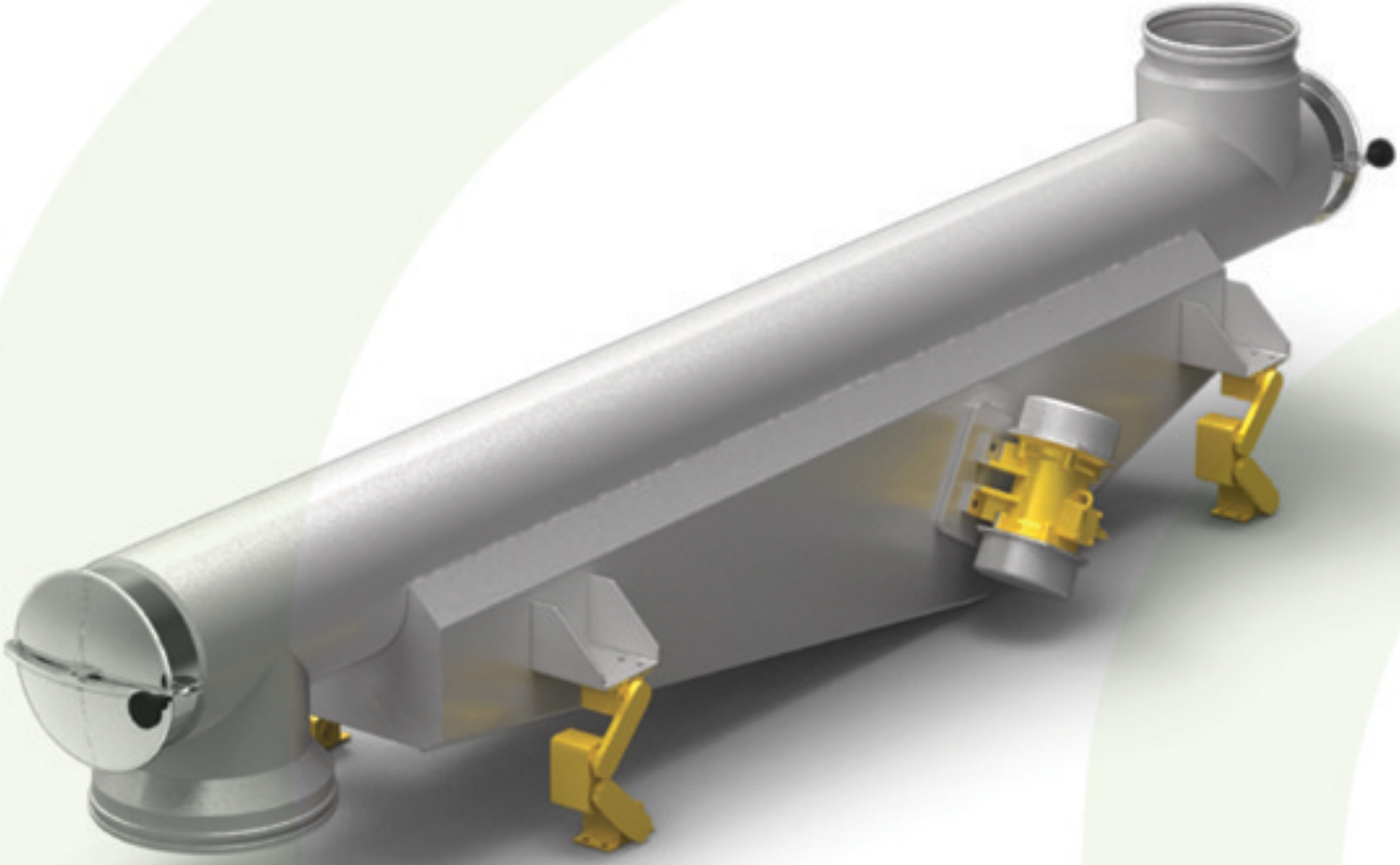
VIBRATORY EQUIPMENT

tube conveyor



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?

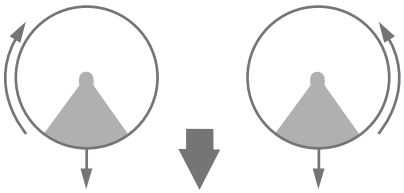
When the drive motors are run in opposing directions the resulting eccentric weights combine to produce a linear force. When these eccentric weights oppose each other a zero force results.

ADJUSTING THE WEIGHTS

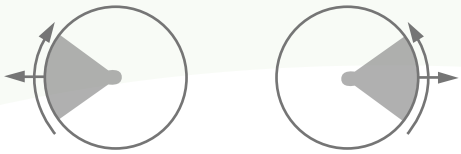
To adjust the vibrating force of a motor simply loosen the outer adjustable weights on each side of the motor and align them with the desired percentage settings on the inner fixed weights.

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

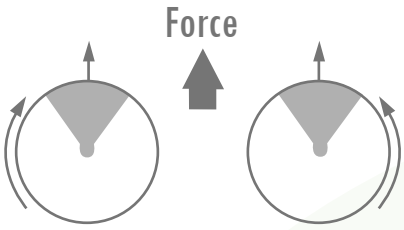
PRINCIPLE OF OPERATION



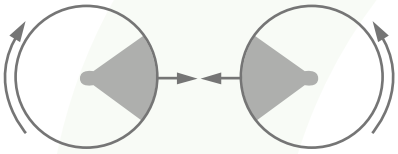
Both weights are in the down position. Resultant force is downwards.



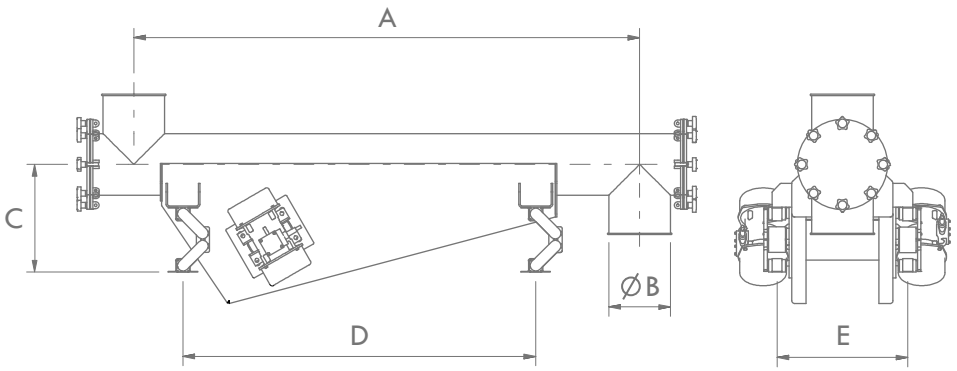
The weights are outwards and opposed, 180 degrees apart. The resultant force is zero as these two forces cancel each other out.



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 TUBE CONVEYOR

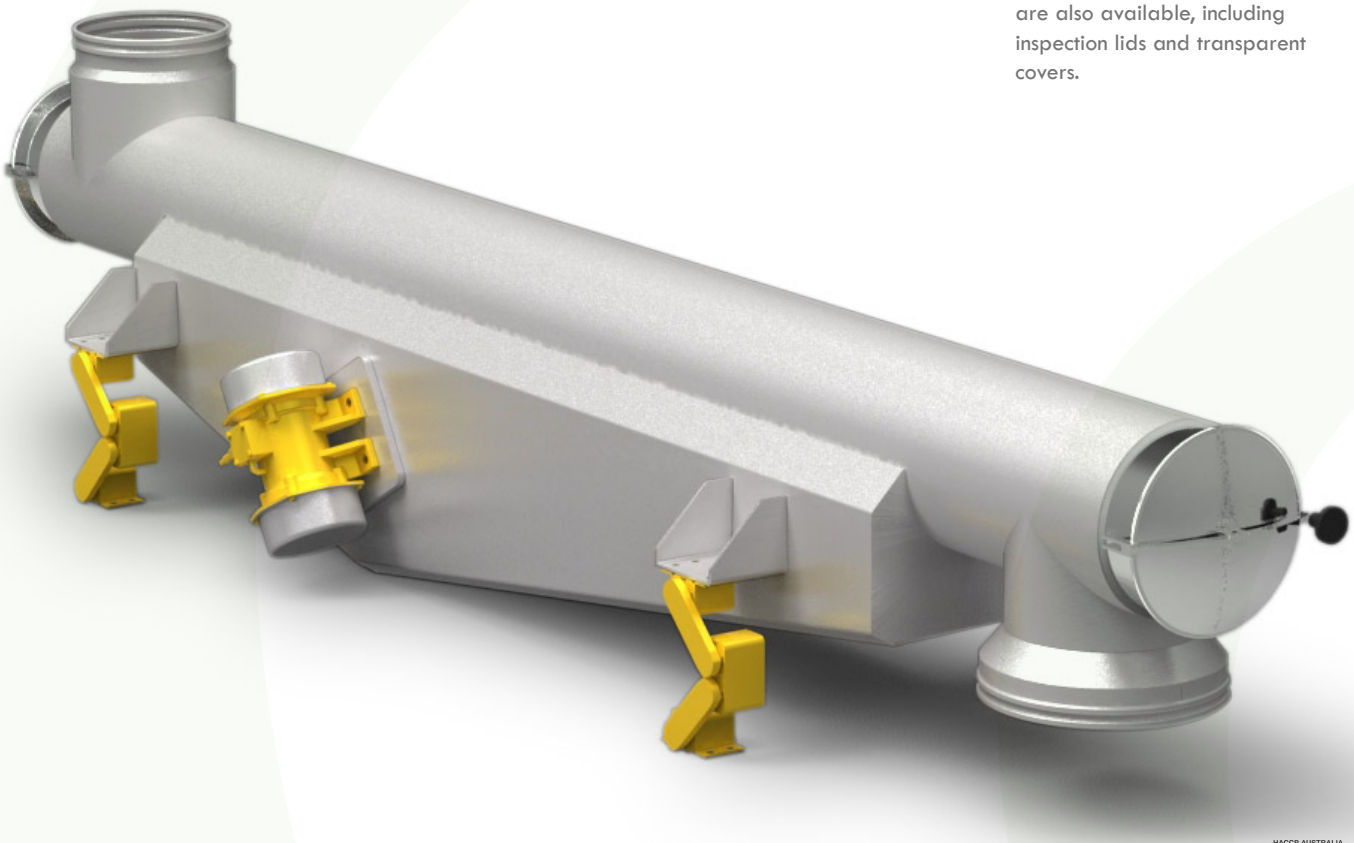
The units can be either base mounted or suspended.

Tube conveyors provide an ideal method of conveying bulk materials that tend to dust. Complete enclosure ensures that product is protected and conveyed without contamination or degradation.

Enmin tube conveyors are available up to 7m in length. For longer conveying distances multiple units can be connected via special in-line flexible sleeves. A variety of removeable end-caps are also available, including inspection lids and transparent covers.

ETC

	NB	A	B	C	D	E
ETC 100-10	90	1000	101.6	297	650	311
ETC 100-20	200	1000	219	297	650	428
ETC 200-10	90	2000	101.6	510	1410	311
ETC 200-20	200	2000	219	510	1410	428
ETC 200-30	300	2000	323.8	510	1410	533
ETC 300-20	200	3000	219	845	2350	463
ETC 300-30	300	3000	323.8	845	2350	568



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