



**enmm**  
VIBRATORY EQUIPMENT



## ENMIN VIBRATORY EQUIPMENT

Enmin has recognized the need within Australian Industries for a practical and economical approach to providing Vibratory Feeding, Screening and Conveying equipment. Our fabricated Products Division designs and manufactures a competitive range of Vibratory Equipment that is well accepted in numerous industries as well as a growing number of international applications

### MOTOR DRIVES

Out of balance vibratory motor drives have proved the most economical and reliable method of powering vibratory feeders. 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 feed 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

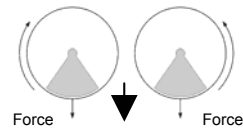
The resultant force output, amplitude and final product conveying speed is readily adjustable on all feeders. Percentage settings are marked on the weights of each motor. Loosening the outer eccentric weight enables the eccentric to be adjusted to the desired percentage of maximum force available. It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

### TRAY DESIGN

Designed for heavy duty, trouble free service, every motor driven feeder is a completely integrated assembly. In most cases optional tray features include abrasive resistant liners, tray covers with bolted or quick release clamps, inlet and outlet discharge ports to name just a handful. Tray shape is also varied, hexagonal, tubular flat or radius the possibilities are endless.



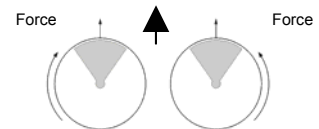
#### PRINCIPLE OF OPERATION



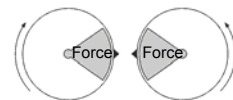
Both eccentrics in down position. Resultant force is downward.



Both eccentrics outward and opposed, 180apart. Resultant force 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





## EMF - ENMIN MOTOR FEEDERS

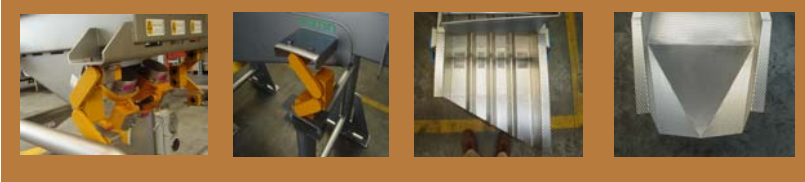
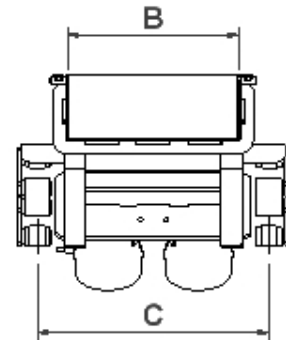
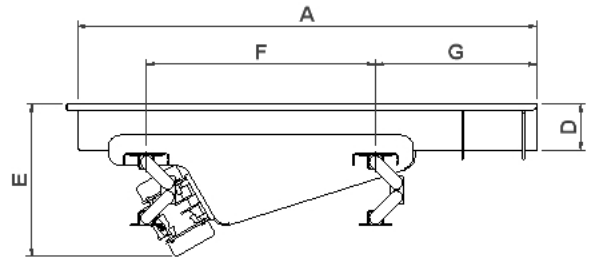
Our EMF vibratory feeders will handle most dry bulk material. They are offered as suspension models for location below hoppers or silos, or as base mounted versions.

The pan of the feeder can have wear resistant replaceable liners fitted for abrasive materials, rubber lined where noise is an issue, or constructed in stainless steel for hygienic applications.

Head loading is never an issue with EMF feeders unlike their electromagnetic counterparts. Control is from a standard starter box or frequency inverter and will provide accurate metering of the material.

MODEL	A	B	C	D	E	F	G
EMF 100 - 40	1000	400	510	156	461	685	250
EMF 100 - 50	1000	500	610	156	461	685	250
EMF 100 - 60	1000	600	710	156	461	685	250
EMF 200 - 40	2000	400	510	156	526	1483	450
EMF 200 - 50	2000	500	610	156	526	1483	450
EMF 200 - 60	2000	600	710	156	526	1483	450
EMF 300 - 40	3000	400	510	156	624	1925	716
EMF 300 - 50	3000	500	610	156	624	1925	716
EMF 300 - 60	3000	600	710	156	624	1925	716

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!

