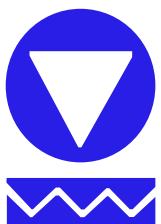
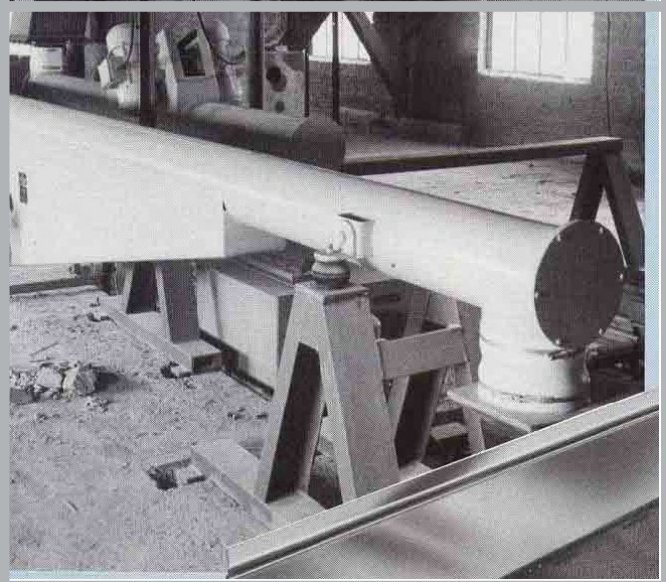
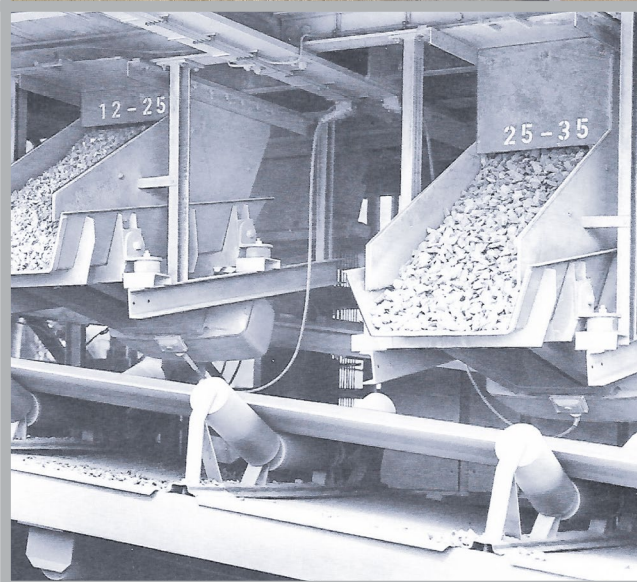
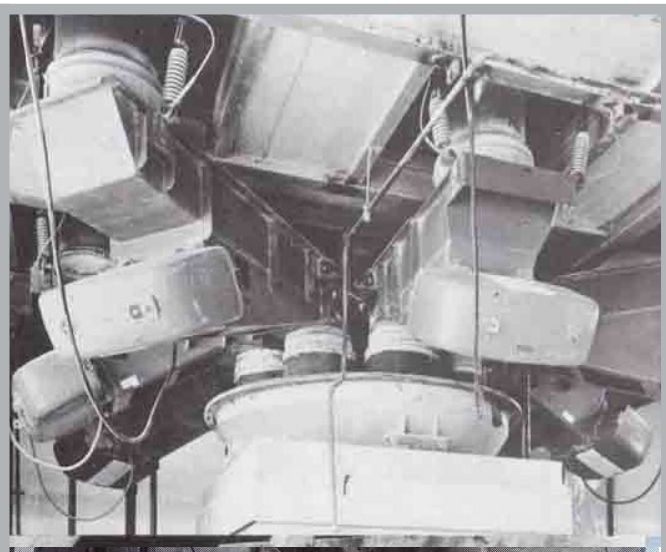


VIBRA SCREW ELECTROMAGNETIC VIBRATING FEEDERS

Simple and Efficient Equipment to Meter and Convey Dry Bulk Materials



Vibra Screw® Inc.

ELECTROMAGNETIC VIBRATORY FEEDERS

Vibra Screw’s line of vibrating feeders offers a simple and efficient means for metering and conveying your dry bulk materials. The feeders will handle nearly any material, regardless of size, bulk density, moisture content and temperature, in an extremely reliable and economical manner.

The key to the efficiency of Vibra Screw vibrating feeders is their advanced electromagnetic drive. This drive is the most compact on the market and requires an average of over 50% less energy to move similar amounts of material than drives available on competitive units.

Maintenance-free operation:

The drive does not use V-belts, brushes, gears bearings and other items which normally require periodic replacement. The simple design of the drive contains no interabrasive components, there no lubrication is necessary.

Sub-resonant tuning:

The feeder operates just below its natural frequency where vibrations are amplified and nearly self-sustaining, requiring little additional input power. This mode of operation also makes the feeder self-compensating for changes in head-load or material density.

Linear, 100% rate adjustability:

Rate change is made by varying only the drive amplitude, not the drive frequency. Other feeders must vary motor frequency (speed) to obtain a change in rate, thereby shifting the feeder away from the optimum operating frequency and causing nonlinear rate adjustment.

The electromagnetic drive on the Vibra Screw vibrating feeders is offered with a choice of three distinct operating frequencies:

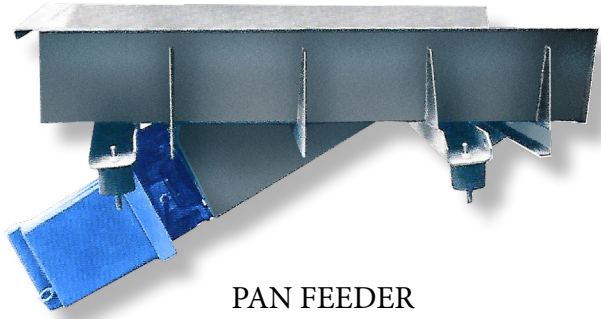
- standard 60 cycles/sec, which provides the short strokes desirable for conveying most materials
- 30 cycles/sec, for conveying or screening fibrous or flaky materials which tend to absorb vibrations, and
- 120 cycles/sec, for screening applications involving fine materials.

The drive is also available with a variety of control options to suit your special needs now or in the future. These include a controller capable of providing amplitude feedback, for boosting feeder accuracy to ± 2-3%, and a controller capable

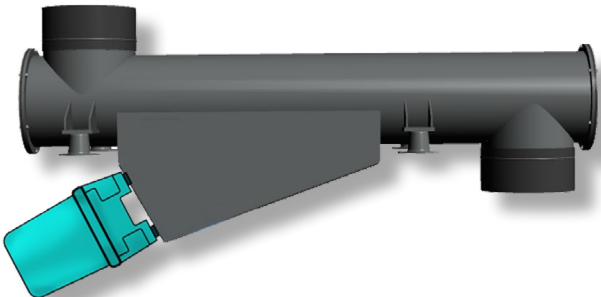
Wide range of models

Two types of standard vibrating feeders, pan and tubular, available from Vibra Screw. The pan, or open trough model is the most common. The tubular feeder should be used when an enclosed system is required. Both feeders can be constructed in any length up to 100 feet - to convey materials nearly any distance necessary.

The pan feeder, when modified, is ideal for applications requiring separation, classification,dewatering, or spreading of materials. In addition, the pan feeder can be equipped with a variety of easy replaceable liners.



PAN FEEDER

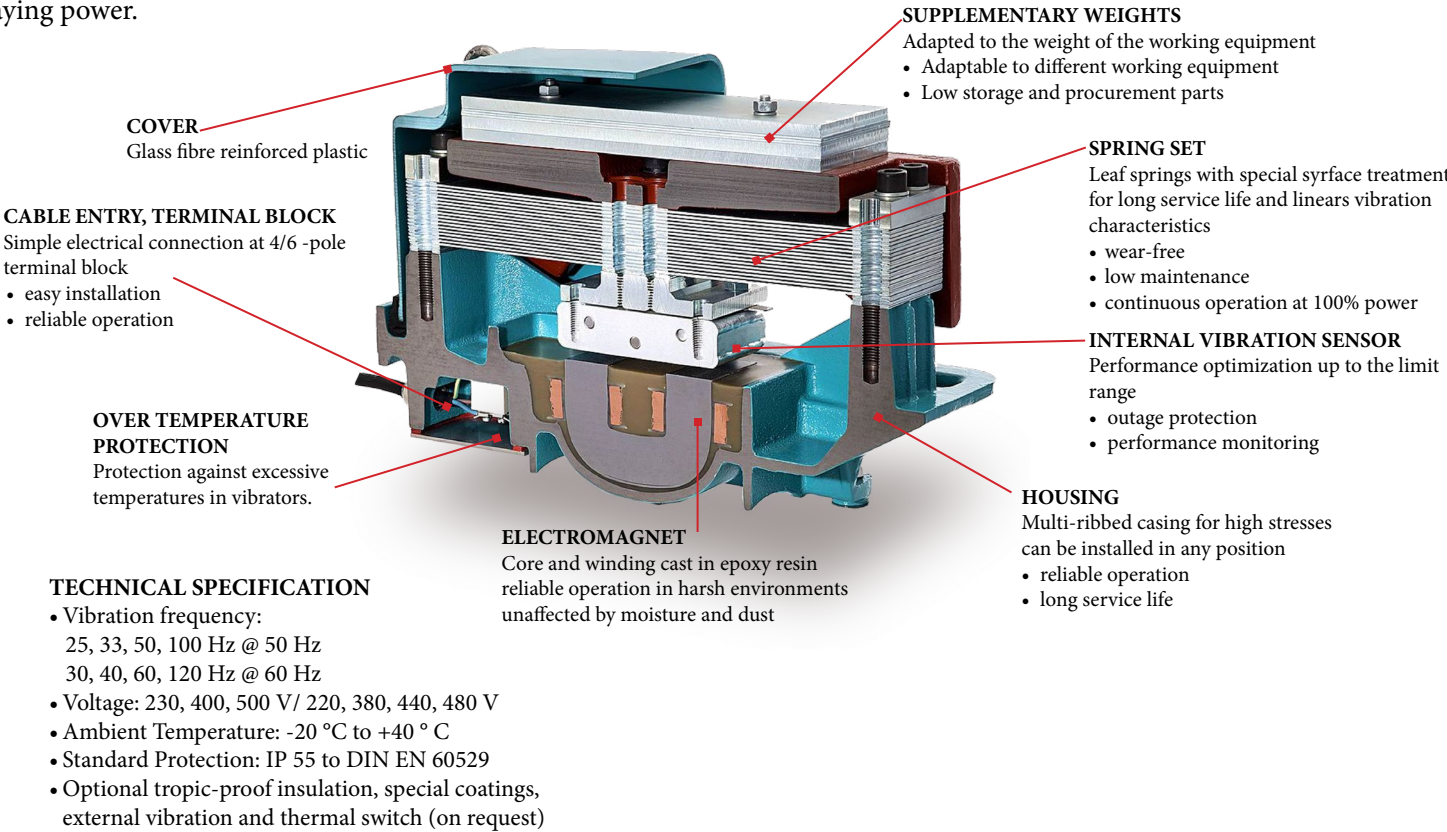


TUBE FEEDER

MAGNETIC VIBRATORS

Magnetic vibrators run as if they are lubricated even though they work completely grease-free. This is partly what makes them so reliable: no bearings, extremely robust design, built-in thermal switch to prevent overheating, and screw-on cable connections - great ideas that combine to deliver supreme durability and reliability.

The vibrators also include infinitely variable vibration amplitudes, instant power transmission or flexible adaptation of drives using weight plates. The collision protection (PAL) is an easy way to optimise performance and prevent outages-another standard feature that is only provided by other manufacturers as an optional extra. Compact and strong magnetic vibrators have real staying power.



CONTROLLERS

These controllers are designed and constructed as alternating voltage regulators for controlling magnetic vibrators; they operate on the voltage regulation principle (phase regulation). The controllers have been designed for use with networks having a frequency of either 50 or 60Hz and a sinusoidal voltage.

for accepting outside control signals should complete process automation be desired.



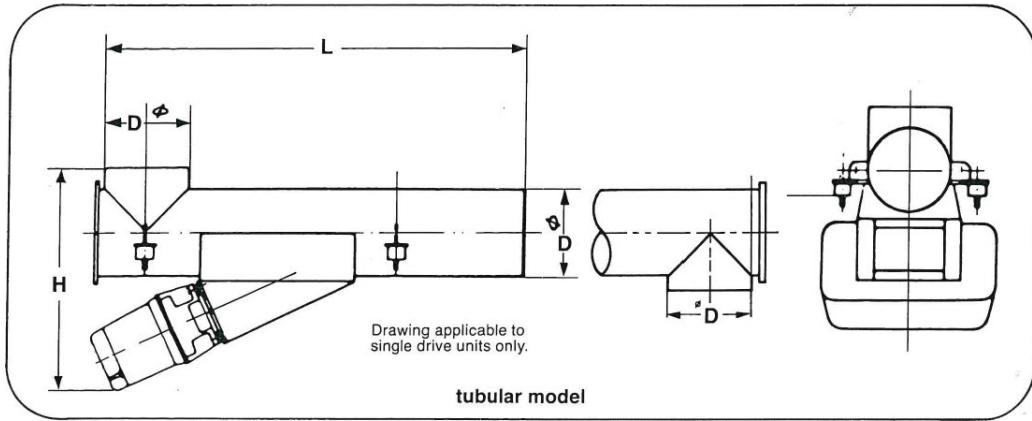
SRA(E) VIBTRONIC®



SC(E)...-2 VIBTRONIC®

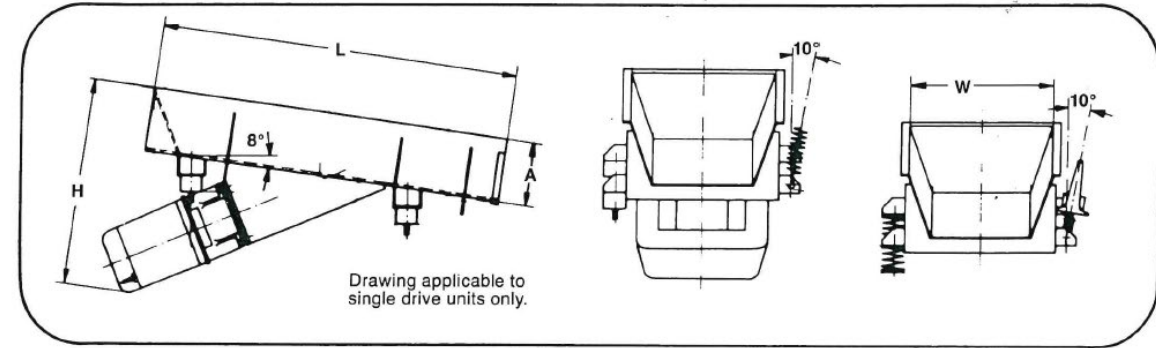


VIBRATORY TUBE FEEDERS



Tubular Models	Capacity		Dimensions	Total	Weight
	TPH	CFH	D x L x H	H.P. (watts)	lbs
GA750/160B	8.75	175	6 x 30 x 19	.13 (100)	66
GA1000/160B	8	158	6 x 40 x 19	.13 (100)	75
GA1250/160B	7	140	6 x 50 x 19	.13 (100)	86
GA1000/200C	19	385	8 x 40 x 21	.2 (150)	141
GA1250/200C	17.5	350	8 x 50 x 21	.2 (150)	147
GA1500/200C	15.5	315	8 x 60 x 21	.2 (150)	152
GA2000/200C	14	280	8 x 80 x 21	.2 (150)	163
GA3000/200 2C	19	385	8 x 120 x 22	.4 (300)	289
GA5000/200 3C	17.5	350	8 x 200 x 22	.6 (450)	437
GA1250/260D	33	665	10 x 50 x 25	.4 (300)	238
GA1500/260D	31.5	630	10 x 60 x 25	.4 (300)	246
GA1750/260D	28	560	10 x 70 x 25	.4 (300)	256
GA2000/260D	26	525	10 x 80 x 25	.4 (300)	265
GA3000/260 2D	33	665	10 x 120 x 26	.8 (600)	474
GA4000/260 2D	29.5	595	10 x 160 x 26	.8 (600)	511
GA5000/260 3D	33	665	10 x 200x 26	1.2 (900)	716
GA6000/260 3D	29.5	595	10 x 240x 26	1.2 (900)	751
GA1500/320E	61	1225	12 x 60x 31	.7 (500)	412
GA2000/320E	54	1085	12 x 80x 31	.7 (500)	438
GA3000/320 2E	64.5	1295	12 x 120 x 32	1.4 (1000)	807
GA4000/320 2E	57.5	1155	12 x 160 x 32	1.4 (1000)	864
GA5000/320 3E	63	1260	12 x 200 x 32	2.1 (1500)	1225
GA6000/320 4E	64.5	1295	12 x 240 x 32	2.8 (2000)	1587
GA1500/400F	94.5	1890	16 x 60 x 38	1.25 (950)	401
GA2000/400F	91	1820	16 x 80 x 38	1.25 (950)	650
GA3000/400G	84	1680	16 x 120 x 42	2.4 (1800)	1230
GA4000/400 2G	94.5	1890	16 x 160 x 42	4.8 (3600)	2160
GA5000/400 2G	89	1785	16 x 200 x 42	4.8 (3600)	2288
GA6000/400 2G	82	1645	16 x 240 x 42	4.8 (3600)	2451
*Also available in constant rate drive					
Capacity based on material being 100 lbs/ft3 at horizontal position					

VIBRATORY TRAY FEEDERS

[illegible]

Keeping Dry Materials Moving

With a wealth of knowledge and experience in the use of controlled vibration to process dry bulk materials, Vibra Screw engineers have devised systems to handle most materials -- probably your material included.

As the leader in dry solids processing, our name is recognized and trusted worldwide in such diverse industries as:

FOODS

Flour, Soy, Meal, Sugar, Vitamin Supplements

MINING

Aggregate, Kiln Feed, Crushed Ores, Coal, Lime

CHEMICAL

Pigments, Additives, Starch, Carbon Black

STEEL

Foundry Sand, Ores, Binders, Ferrous & Non-Ferrous Additives

FOREST PRODUCTS

Chips, Sawdust, Waste-by-products

PLASTICS

Regrind, Virgin, Colorant, Talc

ENVIRONMENTAL CONTROL

Filter Aids, Resource Recovery, Lime, Soda Ash, Activated Carbon, Fly Ash, Solid Wastes, Scrap

ORDNANCE

Ammonium Nitrate, Oxidizing Salts, Solid Base Propellants, Ammonium Perchlorate, HMX, RDX

AGRICULTURE

Cattle Feed, Soy Bean Meal, Nutritional Supplements, Mill Feed, Spent Grain

PHARMACEUTICALS

Calcium Carbonate, Aspirin, Sodium Bicarbonate, Ascorbic Acid



VIBRA SCREW INC.

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www.VibraScrew.com

The Vibra Screw Product Line

For additional information, ask for literature on the following:

- AccuFeed
- Batching Systems
- Bin Activator
- Bulk Bag Filler
- Bulk Bag Unloader
- DE Feeder
- Heavy Duty Screw Feeder
- Loss-In-Weight Feeder
- Live Bottom Bin
- Live Bin
- Live Bin Screw Feeder
- Pan & Tube feeder
- Portable Bin Unloader
- Screener
- Storage Pile Activator
- VersiFeeder
- Vibra-Blender
- Vibrating Screens
- Volumetric Belt Feeder
- Weigh Belt Feeder
- Water Treatment Systems

THE VIBRA SCREW GUARANTEE

If your Vibra Screw equipment doesn't perform in the service for which it was sold, we'll refund your money. Ask any other equipment manufacturer to put that in writing.

No time limits. No conditions.