

# VIBRA SCREW INC. FLEXIFEEDER



**Vibra Screw® Inc.**

Vibra Screw’s Flexifeeder line of flexible screw conveyors offers an expanded capability with less frequent maintenance.

As with all Vibra Screw products, each Flexifeeder is matched to the individual customer requirement using both the company’s extensive installation database and complimentary lab testing.

The use of controlled vibration ant the inlet hopper eliminates material packing and tunneling and encourages more even loading of the conveying screw. This, along with a simple robust drive system, results in a more uniform repeatable conveying rate and dramatically reduced maintenance.

Flexifeeder are available in capacities up to 900 ft³/hr and single unit convey lengths of 60 ft. Flexi-feeders can be teamed with Vibra Screws Bulk Bag Unloaders, Vibrating Bins, and Bag Dump Stations to provide integrated solids handling systems.

No tools are required to quickly remove the bottom cover end plate and completely discharge material for cleaning. Hand knobs easily remove allowing the cover and gasket to swing away. Re-assembly using only hand pressure is all that is needed to complete a leak tight seal.

FLEXIBLE CONVEYOR UNIT DATA					
MODEL No.	TUBE DIA. OD	MINIMUM BEND	MAX Length	MAX FLOW RATE	Motor
250	2 3/8"	5 ft	40 ft	70 CFH	1.0 hp
300	3"	20 ft Bend	40 ft	190 CFH	2.0 hp
400	4 1/4"	40 ft Bend	60 ft	600 CFH	3.0 hp
500	4 3/4"	40 ft Bend	60 ft	900 CFH	5.0 hp

**GENERAL SPECIFICATION**

**MATERIALS OF CONSTRUCTION**

Screw Flighting:

- Carbon Steel or 304 Stainless Steel
- Outer Screw Tube: FDA/USDA approved abrasion resistant UHMW Polyethylene

Material Contact Surfaces:

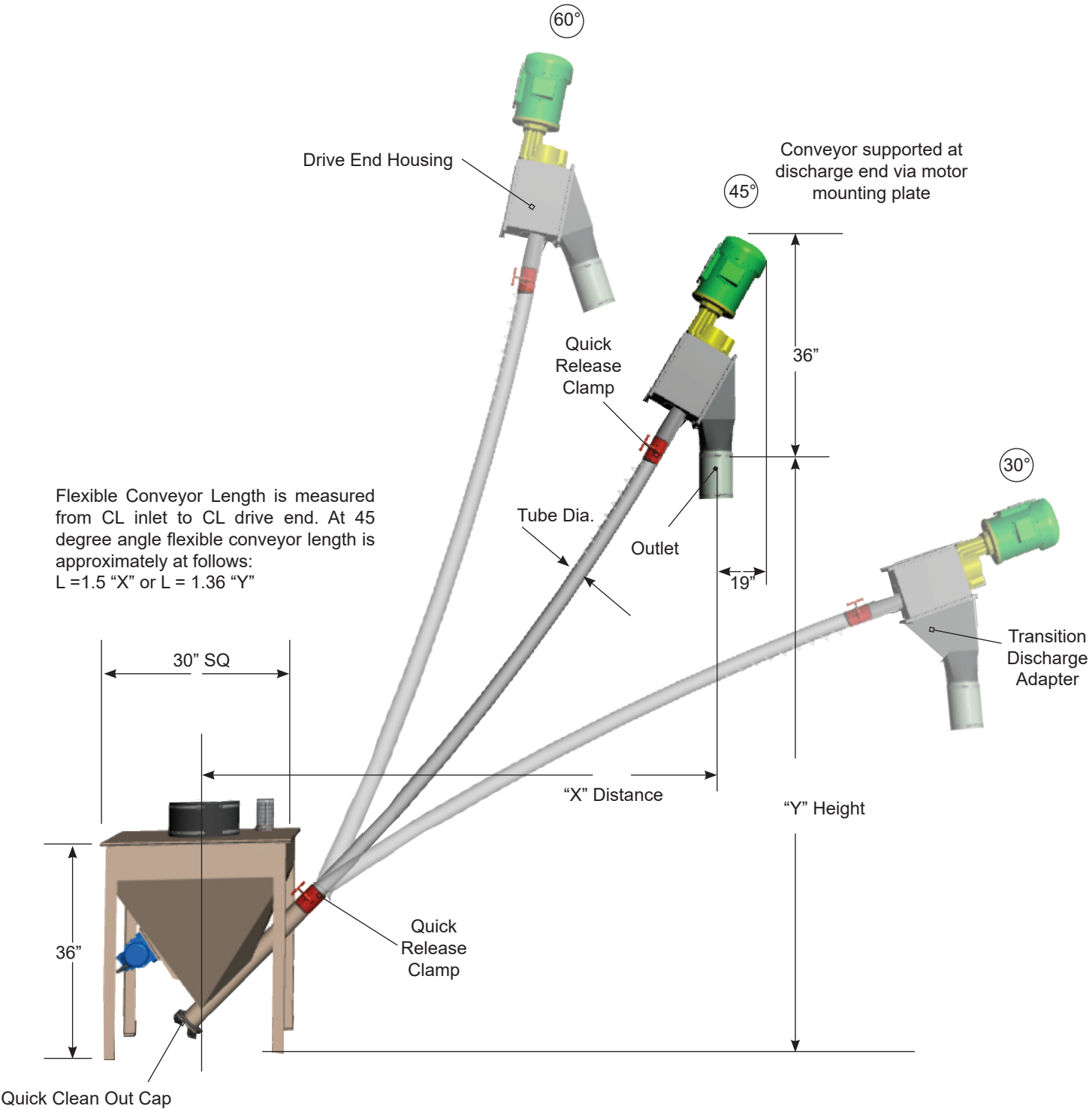
- Carbon Steel with enamel or optional food grade epoxy
- Stainless Steel with 2 B finish or
- Optional Sanitary construction with welds ground smooth and #4 contact surfaces

Motors:

- Direct Drive AC, TEFC or TENV
- Optional Explosion Proof
- Constant speed
- Optional Inverter Duty Motor for Variable Speed

Packaged Controllers:

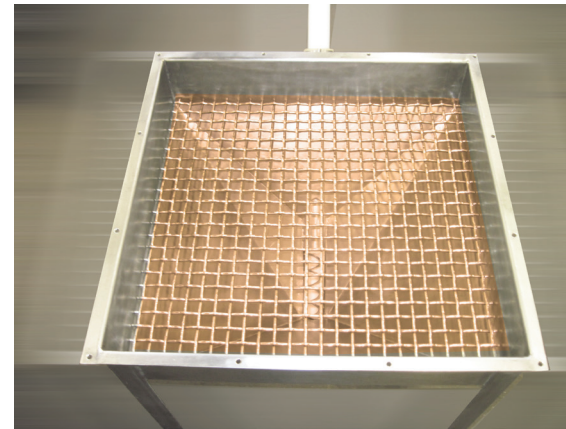
- Standard or custom
- Nema 12/ 4, 4X, 7 or 9
- Fixed or variable speed







Standard carbon steel coated with either enamel gray paint or white epoxy, 304 or 316 stainless steel option, 2B mill finish or optional sanitary #4 finish, all welds continuous and ground smooth



Safety Screen prevents object from getting into the supply hopper



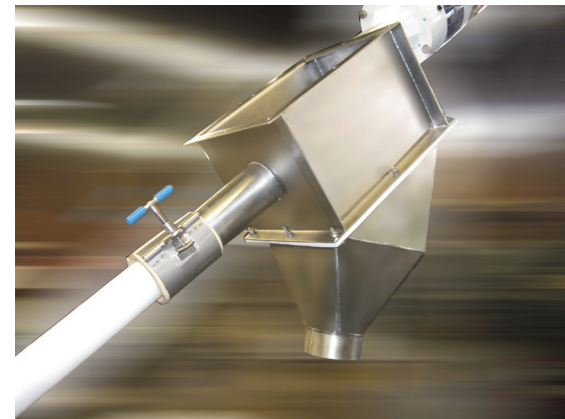
Various screw profiles are available to match application and material



Standard and custom UL approved control panels



Electric or air driven hopper vibrator to assure material flow into screw



Sanitary quick release fittings for no tools disassembly



No-tools quick clean hopper and screw



Vibra Screw provides a full range of Flexible Feeders for the discharge of materials from Bulk Bags Unloaders.

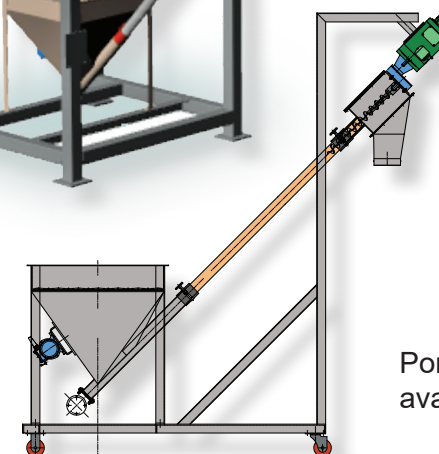
Many different models are available to meet the majority of industrial applications, including discharging by weight or volume, and with a host of optional features to satisfy most applications.



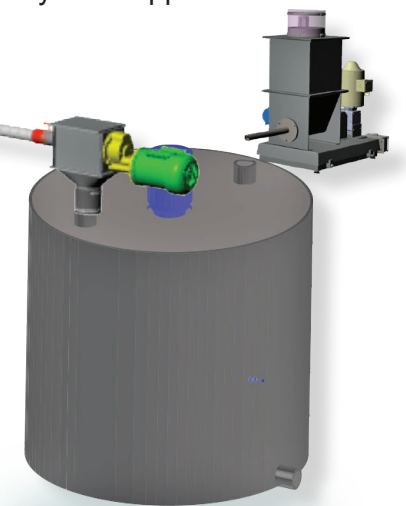
Removable cover with bag dump access door



Bag Dump station with integral self contained dust collector



Portable and Tilting Flexifeeders are available with integral support stands.



# 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



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*The most trusted name in dry solids processing*

# 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.**