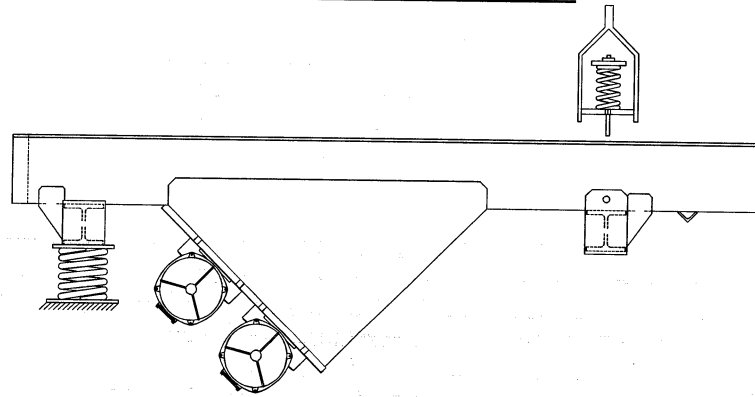


FEEDER INTRODUCTION



The Vibrating Feeder is a rugged device designed to transfer by means of controlled straight-line vibrations. Stroke, frequency and attack angle combine to pitch and catch conveyed product while moving it horizontally or at a slight incline or decline.

All feeders are isolated and can be driven by either a sub-resonant or Force-Vector Drive. Variable capacity is accomplished by using a frequency inverter to adjust motor RPM. Standard sizes range from 12" to 120" wide and from 5' to 14' long.

Feeders are similar to conveyors except they are inertially driven. Since there is no drive arm, they are perfectly suited for heavy material loads, for operation under large headloads, and when variable feed rate is required. Their length is limited due to concentrated drive force.

Materials of construction include carbon steel and stainless steel. Accessories such as liners, covers, spouts, etc. are available.

Applications include those not possible using other less expensive and less rugged belt feeders and screw feeders. Examples:

- Hot Materials up to 1200°F
- Severely Abrasive Materials
- Friable Materials/Minimum Breakage
- Stringy, Wet Materials
- Corrosive Atmospheres
- Sanitary Requirements
- Screening/Scalping
- Dewatering
- Quenching
- Impact Loading
- Furnace Changing
- Despruing
- Leveling/Distribution
- Truck Dump Stations

Limitations include very fine (-325m) powders and inclines exceeding 6°.

