

Dyna-Feed

Pre-Feeders



A Pre-Feeder is low level bulk supply hopper that utilizes an incline endless conveyor belt with cleats or attachments passing through a hopper containing parts to be elevated. It is very effective on simple part shapes. The physical dimension of the cleat combined with speed control of the conveyor belt "meters" parts to a discharge elevation. They are ideal for the bulk storage of components at an ergonomically appropriate elevation which will be fed to upstream linear feeders, bowl feeders, assembly or process machines on a demand signal.

Pre-Feeders are available in powder coated steel or stainless steel frames with capacities up to .25 cubic feet to 35 cubic feet. Discharge chutes, splitter chutes and demand sensors are available. Live hoppers are available for non-flowing parts. Belts can be constructed of USDA-FDA materials, molded plastic or hinge steel belts



Integrated pre-feed system with automated container dumper Metering hopper, incline conveyor and splitter.- HD Faseners



5 Cu Ft Pn Incline Belt Valve Seat



Steep Incline – Candy Packaging



Dyna-Feed- Bulk Part Supply

FEATURES:

Hopper Unit: Gravity bulk supply hoppers from .25 cu ft to 35 cu ft are available standard. Agitator are standard and live hopper configurations are generally recommended.

Incline Belt Unit: The belt unit utilize direct driven urethane-polyester belt (blue belts), molded plastic or hinge steel belts. Cleats, risers, accordion side walls may be incorporated. Cleat spacing and belt speed are used to meter part, package or materials supply to discharge conveyor or tooled orientation conveyor. V track, twist track, sort rails, tooled inline conveyors can be incorporated to achieve desired orientation and feed rate.

Controls: The standard package includes a variable frequency drive, which powers the elevating steps and can be set to match your production requirements. This motor controller can easily be controlled by your PLC with a simple enable signal. A through beam sensor is mounted in the bottom of the hopper and will automatically shut the system off when the hopper is empty. A signal light can be incorporated to notify operator of low hopper status. Manual operator controls are mounted near the hopper and include e-stop, and control power on buttons.

Belts- Guided Polyester-Urethane, Molded Plastic, Hinge Steel
Cleats are available in 3/8, 1/2, 3/4, 1, 1 1/4 and 1 1/2 inch depths.

Exit Conveyors

- Inline Vibratory Sorting Rails
- Twist Tracks
- V-Track Conveyor
- Flat Belt Conveyor
- Indexing Belt
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- Part Escapements
- Portable Sub-Base



3 Cu Ft. Hopper-Assembly Line



18 Cu Ft. Live Bottom Belt Hopper-Capping Line

Wash down Duty Construction-Food Packaging



10 Cu Ft. Vibratory Hopper



10 Cu Ft. Agitator Hopper-Machine Center