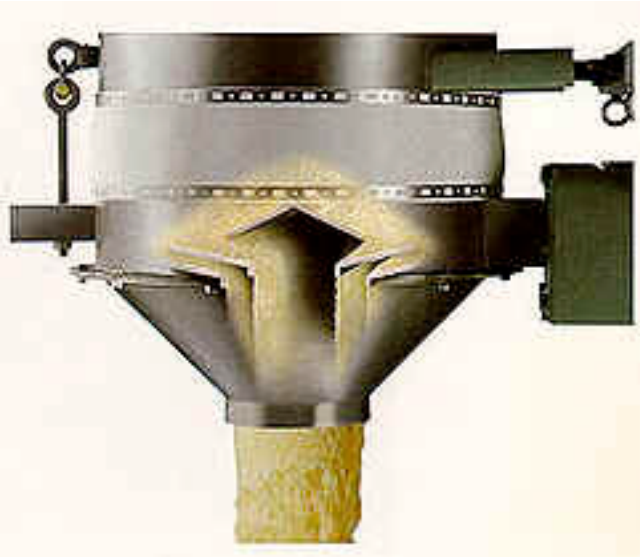


“EasyFlow” Dry Material Feeders



Web Tech **designs** and manufactures feeders and control systems for the dry material handling industry.

In dry materials handling, the physical properties of the material directly affect the efficiency of the processing equipment, which ultimately affects the quality of the end product.

Web Tech has designed its feeders according to the scientific concepts that govern material flow.

The gravity flow feeders deliver a controlled, continuous and uniform flow across the entire outlet of the hoppers. The result is consistent material application providing consistent product quality.

Web Tech has 25 years of experience with a wide range of feeding applications, developing highly specialized equipment for extremely hard to handle fibrous materials.

EasyFlow feeders excel in situations requiring high levels of accuracy, on/off frequency, batching, and very low feed rates. The feeders also fulfil unique stream-out requirements needed to deliver material evenly across a wide area. These requirements are typical in the snack food industry.

Every EasyFlow feeder is matched with the appropriate control for the application. Web Tech offers a choice of volumetric, loss-in-weight (LIW), and gain-in-weight (GIW) controls for batch and continuous flow applications. Interfacing with DCS systems can be accomplished with a number of protocol options. All control systems are designed with the operator in mind.

How they Work

Web Tech's approach to dry material feeding is quite different than most manufacturer's in this field. Every “EasyFlow” feeder design is based upon basic engineering principles applied to the specific material-feeding objective. Precise laboratory material analysis is conducted to determine angle of repose, and angle of slide, which is essential in defining feed tray design. Additionally, shear tests are run to determine critical material flow characteristics. This test is fundamental for proper design and sizing of the feeder inlet and the surge hopper slope angle, which will prevent arching (bridging) and rat holing while ensuring mass flow.

In operation, producing a very precise horizontal motion to the feed tray induces gravity flow. Variable flow rates are achieved and controlled by increasing or decreasing the amplitude range within one millimetre. The feeder is flexibly connected to the surge hopper to help isolate this movement. This total design provides extremely accurate feed rates, instant on-off control, is acoustically quiet, and requires no supplemental agitation devices.

Dry Material Feeders for a Wide Range of Applications

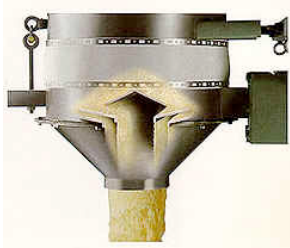
“EasyFlow” is a line of dry material feeders. Interchangeable feed trays are available for multiple products, different discharge rates and various flow patterns.

Loss-In-Weight

- Accurate weight during continuous or batch-to-batch feeding
- Multiple hoppers can feed at the same time
- Scientific approach to design
- Wide range of solids
- Economical

Gain-In-Weight

- Accurate Batch weight control
- Multiple ingredient applications
- Controls weight by weighing bin or Container
- Incorporates a fast feed and a dribble mode for accuracy



Model 2000

Weighing and volumetric applications
Special louvred feed tray design
Handles wide range of product flowability
Robust Design
Accuracy to +/- 1/4%



Model 4000

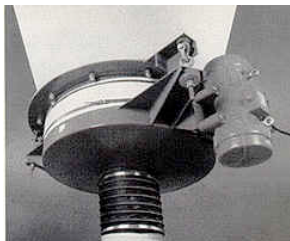
Offset discharging
Special louvred feed tray design
Handles fluid able solids

Accuracy to +/- 1/4%



Model 5000 "Stream Out" Feeder

Rectangular configurations
Compact design saves headroom
Stream Out design to distribute product over wide area
Accurate Discharge



Model 6000

Typically used as a controlled rate discharger
Low profile saves headroom
Capable of handling large particle size product.

Streamout Feeding

Topping, coating, sprinkling, and spreading operations, Food seasonings and flavourings, Roofing granules Super-absorbent polymers. Dispersing material into slurries and Mould filling.

Standard Materials

Absorbent powder, Alumina, Aspartame, Bauxite, Boric acid, Bran flakes, Bran flour, Calcium carbonate, Calcium stearate, Carbon black, Carbon fibres, Cellulose, Chocolate, Detergent, Dextrose, Diatomaceous earth, Egg powder, Fibreglass, Fly ash, Fumed silica, Hydrated lime, Kaolin clay, Magnetite, Microspheres, Oat flour, Phenolic Resin, Polyester, Polypropylene, Psyllium, Salt, Silica gel, Soybean meal, Starch, Sugar, Sulphur, Talc, Teflon, Titanium dioxide, Rubber pellets, Vanilla powder, Whey powder, Zinc oxide & stearate.

Fibrous Materials

Carbon fibres, Cotton linters, Flock fibres, Graphite fibres, Graphite fibres, Chopped steel wool, Wet or dry chopped fibreglass, Synthetic fibres and Wool.