

Precise Weighing and Feeding Equipment

**Applying over
140 years
of weighing
and feeding
technology**





MULTIDOS® DEA 300 Weighbelt

Weighbelt feeder that can be used for weight controlled feeding, as a weight indicator and totalizer or for batching.

- ❖ Perfect for weighing and feeding easily damaged materials
- ❖ Feed rates up to 660 cubic feet (18,961 liters) per hour



MULTIDOS® DEA 600 Weighbelt

Designed as a high capacity industrial weighbelt feeder for feeding easily damaged, abrasive and free flowing materials.

- ❖ Accuracies from $\pm 0.25\%$ to 1% of set rate at 2 sigma
- ❖ Feed rates up to 1,680 cubic feet (47,578 liters) per hour



MULTIDOS® DEA Open Frame Weighbelt

An open frame weighbelt feeder designed specifically for sanitary process applications.

- ❖ Tool-less removal of both the belt and sanitary flex connector for quick cleaning and maintenance
- ❖ Direct drive system on the tail pulley eliminates potential product contamination



MULTIDOS® DMO Weighfeeder

A weighfeeder robustly designed for challenging environmental conditions.

- ❖ Direct multiple cell weighing system without levers or counterbalance weights
- ❖ Feed rates up to 500 tons per hour



MULTIDOS® Weighfeeder

Ruggedly designed for the harsh demands of weighing and feeding rock, sand, gravel, metals and other heavy industry materials.

- ❖ Designed for continuous and batch feeding of bulk solid materials
- ❖ Feed rates up to 1,500 tons per hour



Apron Weighfeeder

The perfect weighfeeder for extracting materials such as marl, clay, gypsum, trass or sludge and then feed them into a production process.

- ❖ A speed-controlled apron conveyor with integral direct weighing equipment designed to weigh the belt load
- ❖ Feed rates up to 650 tons per hour



MULTIBELT® BELMPTM Belt Scale

A single-idler belt scale commonly used in belt conveying applications to continuously measure and report flow rates and totalized amounts.

- ❖ Accuracy of $\pm 1\%$ totalized weight over a 3:1 design capacity range
- ❖ Measures and totalizes continuous flow rates up to 15,000 tons per hour



Rail Scales

A weighing system designed for the dynamic weighing of railcars in motion.

- ❖ NTEP certified legal-for trade scale for speeds up to 14 mph (23 km/h)
- ❖ Weighing accuracies of $\pm 0.2\%$.



Load Cells

Compactly mounted, the weighing system is ideal for weight measurement on hoppers, silos, containers and others.

- ❖ Simple, rugged design providing highly accurate measurements
- ❖ Resistant to environmental forces



MULTICOR® Mass Flow Meter

Designed as an enclosed measuring system for the acquisition of flow rates and totalized amounts.

- ❖ Continuous mass flow measurement based on the Coriolis Principle
- ❖ Direct weighing technology eliminates outside forces on measuring and feeding accuracy



DLM Solids Flow Meter

DLM Solids Flow Meters are designed for applications involving the measurement of relatively high flow rates of free-flowing dry bulk solid materials.

- ❖ A highly accurate and repeatable measuring system for free-flowing pulverized or granular materials
- ❖ Operating capacity of 30 to 600 tons per hour



MULTISTREAM® Solids Flow Meter

The MULTISTREAM® Solids Flow Meter utilizes an impact plate with a load cell that measures the reactive force of a dry material striking it. The information is processed electronically into flow rates and total weight values.

- ❖ Dust-tight stainless steel housing
- ❖ Measures flow rates up to 100 tons per hour



MechaTron® Min Feeder

The MechaTron® Min is a twin screw loss-in-weight feeder that is ideal for feeding materials to extruders, mixers, mills and granulators.

- ❖ Perfect for batching or feeding very small volumes of material
- ❖ Feed rates from 200 to 15,800 grams per hour



MechaTron® Low Range Feeders

Designed with either a Coni-Steel (stainless steel) feed hopper or Coni-Flex (flexible) feed hopper, the MechaTron® Low Range Feeders are perfect for handling minor ingredients at low feed rates.

- ❖ Easy disassembly simplifies cleaning and maintenance
- ❖ Feed rates from .002 to 21 cubic feet (.057 to 595 liters) per hour



MechaTron® Mid Range Feeders

Designed with either a Coni-Steel (stainless steel) feed hopper or Coni-Flex (flexible) feed hopper, the MechaTron® Mid Range Feeders handle feed rates up to 330 cubic feet (9,300 liters) per hour.

- ❖ Disassembly from the non-process side of the feeder speeds maintenance
- ❖ Volumetric and gravimetric configurations



MechaTron® High Range Feeders

The largest of the MechaTron® Feeder line, the High Range models handle feed rates up to 1,100 cubic feet (31,150 liters) per hour.

- ❖ Flexible internal hopper that is easily removed for cleaning and maintenance
- ❖ Operates both volumetrically and gravimetrically



MechaTron® 3-A Feeder

A 3-A accepted feeder for food, dairy and other sanitary applications.

- ❖ Crack and crevice-free contact surfaces are ground and polished to 32 micro-inches RA
- ❖ Feed rates up to 330 cubic feet (9,300 liters) per hour



MechaTron® Vibratory Feeders

MechaTron® Vibratory Feeders are uniquely designed with a maintenance free feed chute for gently feeding materials such as powders, granules, chips, flakes and fibers.

- ❖ Gravimetric accuracies from $\pm 1/4\%$ to 1% and volumetric accuracies from ± 2 to 5% of feed rate setpoint at 2 sigma
- ❖ Feed rates up to 353 cubic feet (10,000 liters) per hour



PureFeed® AP Feeder

The PureFeed® AP Feeder is designed for sanitary process applications where the need for quick and easy cleaning and 316 stainless steel product contact surfaces are required. Perfect for pharmaceutical, nutraceutical and food manufacturing.

- ❖ FDA compliant EPDM feed hopper that is disposable and recyclable
- ❖ Feed rates from 0.5 Kg to 150 Kg per hour



PureFeed® AI Feeder

Designed to meet the needs of low feed rate applications, the PureFeed® AI Feeder includes the following customer driven features; quick and easy disassembly and a dual arm external agitation system for maximizing material handling versatility.

- ❖ Excellent for feeding micro ingredients, color pigments and plastic additives
- ❖ Feed rates from 0.0007 to 9.5 cubic feet (0.02 to 270 liters) per hour



Simplex FB Feeder

Modular loss-in-weight feeding system.

- ❖ Optimized for light, fluffy materials such as flakes or fibers and other virgin or recycled materials
- ❖ Full stainless steel construction with internal agitation
- ❖ Design provides excellent mass flow characteristics



SolidsFlow™ 2000 Feeders

SolidsFlow™ 2000 Vibratory Feeders have sanitary USDA accepted and industrial models that provide feeding solutions for a number of industries ranging from dairy to plastics.

- ❖ No moving parts reduces maintenance and parts replacement
- ❖ Natural mass flow feeding device that eliminates material segregation



SolidsFlow™ 7000 Fibrous Feeder

The SolidsFlow™ 7000 feeder was designed to solve the flow problems typically associated with feeding fibrous materials.

- ❖ A natural mass flow feeding device that handles difficult to feed materials
- ❖ Excellent for feeding wet chopped fiberglass



AccuRate® Series Feeders

The original AccuRate® Feeder that continues to serve customers around the world in volumetric feeding applications.

- ❖ Feeding accuracies of $\pm 0.5\%$ to 3%
- ❖ Four different models provide feed rates that span from .000017 to 280 cubic feet per hour

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Schenck Process weighing and feeding equipment are designed to meet multiple applications for a wide variety of industries. Whether you need a weighfeeder for totalizing frac sand or a sanitary feeder for handling cellulose we have the weighing and feeding system to meet your specific needs.

Weighing and feeding solutions for multiple applications

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