

# Precise feeding solutions

**MechaTron®  
feeding systems:  
Highly configurable.  
Easy to maintain  
and operate. Saves  
time and money.**





- >> **Easy disassembly from the non-process side saves maintenance time**
- >> **Highly accurate systems reduce product loss**
- >> **Robust design withstands harsh environments**
- >> **Conical hopper optimizes mass flow**

Minimize  
downtime.  
Reduce  
labor costs.

When going through frequent material changes or multiple cleaning cycles, the MechaTron® provides the perfect solution for reducing the maintenance time during those operations. With complete disassembly from the non-process side of the feeder there is no need to remove upper extension hoppers, bins, bulk bags and IBC's to clean or maintain the feeder. This feature alone results in tremendous time and cost savings.

A choice of multiple configurations that include: single screw, twin screw, vibratory, high and low capacities, flexible or stainless steel conical hoppers provide the versatility to accommodate any unique dry material feeding application.

MechaTron® feeders are perfectly suited for volumetric or gravimetric feeding applications handling materials ranging from sugar in food processing to carbon black for use in plastics.

**The ease of disassembly provides immediate payback in reduced maintenance time.**

The MechaTron® feeder family was designed to meet the needs of a wide variety of process applications. Our product portfolio includes choice of agitation methods, single or dual AC or DC motor drives, feed rates ranging from .0002 to 1,100 ft<sup>3</sup> per hour and a wide array of helixes and nozzles to handle even the most challenging materials. Our in-house test lab will help you determine the best configuration for your specific material by testing it ahead of time.

For gravimetric feeding the Schenck Process DISOCONT® Tersus control is the perfect combination of mechanical, electrical and software components for highly accurate feeding systems. The controller is easily integrated into the automation structures of a plant using built-in Ethernet interface or optional fieldbus modules.



**MechaTron®  
Low Range  
Coni-Flex Feeder**

Designed with a Coni-Flex (flexible) feed hopper that is agitated by a paddle system that eases material handling.

- Easy disassembly simplifies cleaning and maintenance
- Perfect for handling minor ingredients at low feed rates

**MechaTron®  
Low Range  
Coni-Steel Feeder**

The Coni-Steel (stainless steel) feed hopper with an internal agitator handles difficult cohesive materials.

- Feed hopper and helix can be removed, cleaned and serviced without removing the internal agitator from the feeder
- All stainless steel feeding system

**MechaTron®  
Mid Range  
Coni-Flex Feeder**

Handles feed rates up to 330 cubic feet per hour while accommodating materials such as powders, flakes, fibers and many others.

- Disassembly from the non-process side of feeder reduces maintenance time
- Robust design handles extreme processing environments

**MechaTron®  
Mid Range  
Coni-Steel Feeder**

All stainless steel with internal agitation makes the Mid Range Coni-Steel ideal for handling some of the most difficult to feed materials.

- Designed for feeding high angle of repose materials such as wood flour
- Can be configured as a single or twin screw feeder



**MechaTron®  
High Range Volumetric  
and Gravimetric Feeder**

Heavy duty volumetric or gravimetric feeder that handles feed rates in excess of 1,100 cubic feet per hour.

- Handles head loads up to 5,000 lbs
- Agitation of the Coni-Flex (flexible) internal hopper eases material handling

**MechaTron®  
Vibratory Feeder**

A maintenance-free feeding chute gently delivers a wide range of free flowing granules, powders, pellets, chips and fibers with a high degree of feeding accuracy.

- Volumetric and gravimetric configurations with feed rates up to 353 cubic feet per hour
- A stainless steel conical hopper ensures consistent material flow

**MechaTron®  
3-A Feeder**

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

- Wash-down motors and a domed hopper cover simplify cleaning
- Crack and crevice-free contact surfaces reduce contamination possibilities

**DISOCONT®  
Tersus Feeder Control**

A modular system for controlling continuous gravimetric feeding applications.

- Operator panel with graphical display and touchscreen simplifies operation
- Easily integrates into existing plant control systems

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All Schenck Process MechaTron® feeders are designed to accurately feed bulk solid materials with multiple configuration versatility to meet the specifications of the process and the material being fed. We will work with your materials in our test lab to confirm the right feeding solution for your application.

# Versatile and accurate

schenck process 

Schenck Process  
746 E. Milwaukee Street  
Whitewater, WI 53190  
262-473-2441  
sales-fcp@schenckprocess.com  
www.schenckprocess.com/us

we make processes work