

# Feeder Modernization: Upgrade Your Feeder for Enhanced Efficiency and Performance



Accurate and consistent feeding of raw materials is essential for producing high-quality products with uniform properties.



## Reliability

Minimizing downtime and maintenance needs.



## Efficiency

Reducing energy consumption and operational costs.



## Performance

Ensuring optimal material flow and handling.

# 1

## Option One: Motor Technology

Suitable for customers with Coperion K-Tron gravimetric feeders equipped with DC or AC motors who would like to make the switch to servo motors.

### Why make the switch?



High turndown capability can minimize the need for feeder configuration changes such as screws, tubes and gear ratios.

Tremendous turndown (up to 2000:1 RPM) without overheating or loss of torque.

Increases energy efficiency and expected motor lifetime.



# 2

## Option Two: Feeder Controls

Coperion K-Tron Feeder Controls have been continually updated over the years. The newly redesigned KCM-III comes equipped with a range of innovative features and is fully prepared for Industry 4.0 functions.



- ✓ Better responsiveness and control
- ✓ Higher feeding accuracy with advanced algorithms
- ✓ State-of-the-art diagnostic capabilities

# 3

## Option Three: Auxiliary Equipment

Depending on your feeder, process and environment, you can benefit from adding auxiliary equipment.

### Electronic Pressure Compensation EPC

Uses pressure sensor for better process control.

**Benefit:** Eliminates the effects of pressure fluctuations on the scale for improved accuracy.



### Our Tip: Field Evaluation Kit

Toolkit for assessing pressure fluctuations which may be affecting your feeder, and evaluating the benefits of adding EPC to your system.



### ActiFlow Bulk Solid Activator

To optimize material flow and reduce blockages.

**Benefits:** Enhanced feeding consistency and reduced downtime.



Coperion is the industry and technology leader in extrusion and compounding systems, feeding systems and bulk material handling plants.

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