

# TECHNICAL ARTICLE SERIES

BB-1018

## Bulk Bag Conditioner Purpose-Built for Mining Applications



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**flexicon®**

# Bulk Bag Conditioner Purpose-Built for Mining Applications

BETHLEHEM, PA — This Flexicon BLOCK-BUSTER® Bulk Bag Conditioner purpose-built for mining applications, loosens filter cake, ammonium nitrate, lime, thiourea and other materials that solidify in bulk bags during storage and shipment.

Two hydraulic rams drive contoured conditioning plates against opposite sides of the bulk bag to crush and loosen compacted mining materials, promoting flow and enabling bulk bag unloaders to discharge it through bag spouts.

A hydraulically-actuated turntable allows automated in-frame bag rotation and conditioning of bulk bags at variable heights. The number and pressure of hydraulic ram actuations, the height of the turntable, and the degree of rotation are user-programmable.

An optional cantilevered I-beam with motorized hoist and trolley allows loading and unloading of bulk bags without the use of a forklift.

The ultra-heavy-duty unit is offered in stationary or mobile configurations designed for interior or exterior installations, and is available diesel- or electric-powered, with system controller and hydraulic pump mounted on the exterior of the safety cage or remotely.

It is fully enclosed on all four sides for operator safety and includes full-height doors that are interlocked to disallow operation of the system when the doors are open.

The conditioner is recommended for heavy-duty applications involving dense, abrasive, lumpy, and other materials prone to solidifying to the point at which pneumatically-actuated flow promotion accessories integral to bulk bag dischargers are inefficient or completely ineffective.

It is offered as a stand-alone unit or integrated with the company's BULK-OUT® Bulk Bag Discharging Systems.



*Bulk bags containing filter cake, ammonium nitrate, lime, thiourea and other materials that solidify in bulk bags, can be raised, lowered and rotated for conditioning at all heights on all sides, allowing discharge through bag spouts.*