

MATERIAL TRANSFER

BUILT WELL. BUILT TO LAST.

Material Master® Bulk Bag Conditioner



**MATERIAL
TRANSFER**



Watch Now

MATERIAL MASTER® BULK BAG CONDITIONER

Material Transfer's Bulk Bag Conditioners break up compacted or severely agglomerated materials for smoother discharge and improved material flow. Built for reliability, they optimize handling and processing in industries like food, chemical, and agriculture, minimizing downtime and enhancing safety.



UL 508A CERTIFIED PANEL BUILDER. MTS ensures compliance with the global safety standards in an industry prone to fires and electrical hazards. It covers multiple manufacturing components, including:

- Proper component usage
- Enclosure environmental ratings
- Wiring and motor protection
- Safety markings
- Conformance to the National Electric Code® (NEC) and Canadian Electrical Code (CEC)

Industry's Smallest Footprint Provides Maximum Impact

1

FRAME

Save Space Without Compromising Strength. Industry-leading compact design with a heavy-duty 4"x10" structural carbon steel tube frame and robust construction for lasting reliability.

Prioritizing Safety and Durability. Finite Element Analysis ensures optimal safety and structural integrity for peace of mind.

2

PATENTED PIVOTING CONDITIONING ARMS

Reduce Downtime Caused By Blockages. By breaking down even the toughest agglomerates with 75,000 lbs. of force, it maximizes throughput and enhances product quality, keeping operations running smoothly.

Ensure Smooth and Consistent Operations. Heavy-duty structural tube and carbon steel plate construction prevent binding and deflection.

3

TOUCHSCREEN HMI

Save Time and Achieve Faster Throughput. Pre-loaded templates allow you to configure material conditioning recipes in minutes with adjustable parameters like heights, cycles, arm pressure, and turntable rotation.

Eliminate Production Bottlenecks. Streamlined features like bag top conditioning, squaring, and precise pressure control ensure consistent results top conditioning, squaring, and precise pressure limits.

4

HYDRAULIC SYSTEM

Robust Capacity Supports Demanding Processes. High-performance hydraulic system with dual 5 GPM pumps, 10 HP motor, and a 30-gallon reservoir ensures consistent and efficient operation.

Built for Longevity. Durable design with a 4-station manifold, pressure relief valve, sight gauge, and plated steel fittings delivers precision and lasting reliability.

5

HYDRAULIC LIFT PLATFORM

Flexibility to Meet Diverse Operational Needs. Handles a wide range of bag types and sizes with 48" vertical travel and a 4,000-pound capacity.

Get Optimized Workflow Efficiency. Heavy-duty 48" powered rotary turntable, hydraulic lift cylinder, and precision hevi-rail track ensure smooth and reliable operation, minimizing downtime and maximizing throughput.

6

MACHINE GUARDING OPTIONS

Minimize Risk and Potential Liabilities. Safety mechanisms like interlocked doors, light curtains, and scanners ensures uninterrupted operations and compliance with safety standards.

Match Your Specific Operational and Safety Requirements. Customizable panel options, including polycarbonate, acrylic, perforated, expanded, or sheet metal, provide flexibility.

Optional Upgrades: Reduced cycle time options, Hydraulic oil coolers, & Low temperature packages

Optional Upgrades: Automated bag loading and removal for high throughput applications

75,000 LBS. OF FORCE

Harness the power of 75,000 lbs of cylinder force combined with an innovative pivoting design to effortlessly fracture and shear even the toughest, most agglomerated materials, delivering unmatched conditioning results.



CONTACT OUR CUSTOMIZATION EXPERTS TO LEARN HOW WE CAN TRANSFORM YOUR OPERATIONS!

COMPARE OUR BULK BAG CONDITIONER TO OTHERS	MATERIAL MASTER® BULK BAG CONDITIONER	OTHER MANUFACTURERS
Over 75,000# of available conditioning cylinder force output	YES	NO
Patented design features pivoting conditioning arms with point loading	YES	NO
48" travel, 4,000# capacity hydraulic lift platform standard	YES	NO
Industry's most compact footprint for easy installation	YES	NO
Parker dual 5 GPM pumping unit with 10 HP motor standard	YES	NO
Turntable with robust slewing ring, manual rotation or high torque powered hydraulic rotation	YES	NO
Available programmable linear motion bag top conditioning	YES	NO
Heavy-duty 4"x 10" structural tube main frame	YES	NO
No troublesome horizontal guide rod binding, alignment & maintenance issues	YES	NO
Effectively conditions even the most severely agglomerated materials	YES	NO
Accepts widest range of bulk bag sizes	YES	NO
Conditioning arms open to 62" gap and close to 6" gap	YES	NO
MTS exclusive automation packages with Allen-Bradley PLCs & color HMIs	YES	NO
Automated bag loading and removal for high throughput applications	YES	NO



Experience the unparalleled efficiency of the patented Material Master® Bulk Bag Conditioner, designed to safely and effortlessly restore hardened bulk bags to a free-flowing state.

Tailored to your specific application needs, our custom bulk bag conditioners enhance safety, streamline operations, and optimize your entire conditioning process for maximum productivity.

Explore Full System Options & Integrations

Our custom bulk material handling systems can be integrated to provide a complete solution built to outperform in your unique manufacturing environment.



Filling | Discharging | Loss/Gain In Weight Batching | Mechanical & Pneumatic Conveying | Storage | Feeding

DRIVEN BY EXCELLENCE.

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