



# SANITARY BULK HANDLING EQUIPMENT AND SYSTEMS



**1-888-FLEXICON • SALES@FLEXICON.COM**

# Sanitary Construction and Finishes

Virtually all Flexicon equipment is available constructed and finished to meet food, dairy and pharmaceutical requirements of industry associations and governmental agencies worldwide.

Flexicon sanitary equipment can be constructed almost entirely of 304 or 316 stainless steel and finished to Flexicon sanitary standards, or customer-specified requirements. Product contact areas include continuous welds, ground smooth and flush with adjoining walls, with available finish levels up to mirror finish.

Wash down control enclosures (NEMA 4 or NEMA 4X) and motors allow fast, thorough wash down using steam, cleaning solutions and high pressure water, with no adverse effect on equipment.

## Sanitary designs

Beyond requisite sanitary construction and finishes, Flexicon equipment offers innovative design features—many patented—that enable food, dairy and pharmaceutical processors to minimize wash down time, eliminate cross-contamination between changeovers, eliminate plant contamination and verify cleanliness—and do so rapidly, efficiently and safely.



*Sanitary Flexible Screw Conveyors are totally enclosed, preventing plant and product contamination. The inner screw connects to the drive motor beyond the material outlet, eliminating material contact with bearings. Tool-free disassembly. USDA accepted and 3-A certified.*



*Open-channel stainless steel frames of BULK-OUT® Bulk Bag Dischargers are devoid of cavities or recesses where bacteria, mold and other contaminants can breed, allowing rapid, thorough wash down, reducing the risk of cross-contamination and providing unobstructed inspection.*



*BULK-OUT® Bulk Bag Dischargers create a dust-tight connection between the clean sides of the bag spout and the equipment. Discharger frame, POWER-CINCHER® flow control valve, SPOUT-LOCK® clamp ring and TELE-TUBE® telescoping tube available USDA accepted.*



*Sanitary Weigh Batching Systems and other engineered systems integrate sanitary equipment and employ dust-tight connections, preventing product and plant contamination. The sanitary bulk bag discharger, flexible screw conveyors and weigh hopper of this batching system allow rapid, thorough wash down.*



*Sanitary SWING-DOWN® Bulk Bag Fillers offer stainless construction with continuous ground and polished welds, and a fill head that pivots away from its support structure, providing unrestricted access for high productivity and thorough wash down.*



*Sanitary TWIN-CENTERPOST™ Bulk Bag Fillers are the first fillers to receive USDA acceptance. They provide a dust-tight, inflatable bag spout seal, a feed chute air-displacement port for dust-free filling, and four-sided access for easy operation and rapid wash down.*



*Sanitary Bag Dump Stations with optional dust hoods on rocker arms raise the hood for easy separation and wash down of the gasketed seam—and for removal and wash down of the interchangeable dump screens. Dust collection prevents contamination of personnel and plant environment.*



*Sanitary TIP-TITE® Drum Dumpers allow loading, sealing, tipping and discharging of drums with no dusting by forming a dust-tight seal between a drum discharge cone and a gasketed receiving ring fitted to existing process equipment or the lid of a hopper.*



*Sanitary TIP-TITE® Box/Container Dumpers form a dust-tight seal between the container rim and gasketed discharge chute. Finished to food and pharma standards, these units provide unrestricted access for rapid, thorough wash down.*



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# Configurations (Page 1 of 5)



*Sanitary Bulk Bag Discharger with Open Channel Construction*



*Twin Flexible Screw Conveyor with Common Hopper, Mobile Base*



*Enclosed Bulk Bag Discharger*



*Sanitary Tilt-Down Flexible Screw Conveyor Cleans Rapidly, Rolls Through Doorways*



*Sanitary High Lift Box Dumper with Vibratory Bin Feeder*



*Pneumatic Weigh Hopper with Fill/Pass Valve*



*Sanitary High-Lift Box/Container Dumper*



*Portable Sanitary Open-Chute Drum Dumper*



*Sanitary Drum Dumper with Roller Conveyor*

## Configurations *(Page 2 of 5)*



*Sanitary Bulk Bag Weigh Batch Unloader*



*Bulk Bag Conditioner has Height-Adjustable Rams*



*Sanitary Tubular Cable Conveyor Prevents Product, Plant Contamination*



*Sanitary Bulk Bag Filler with Metal Detection*



*Discharger Dust Containment Enclosure Contains Bag Spout Leaks and Spills*



*Dust-Tight Box Dumper for Sanitary Applications*



*Tilt-Down, Mobile Flexible Screw Conveyor*



*Mobile Bulk Bag Filling System Has Metal Detection, Tilt-Down Feeder*



*Multi-Purpose Low Profile Filler for Boxes, Drums and Bulk Bags*

## Configurations (Page 3 of 5)



*Mobile Half-Frame Bulk Bag Discharger has Manual Dump Station, Flexible Screw Conveyor*



*Bag Dump System with Integral Bag Compactor and Flexible Screw Conveyor*



*Bulk Bag and Manual Dump Weigh Batch System*



*Open Chute Box Dumper*



*Bulk Bag Conditioner for Sanitary Applications*



*Box-Container Dumper*



*High-Lift, Dust-Tight Drum Dumper*



*Bag Dump Station for Sanitary Weigh Batching*

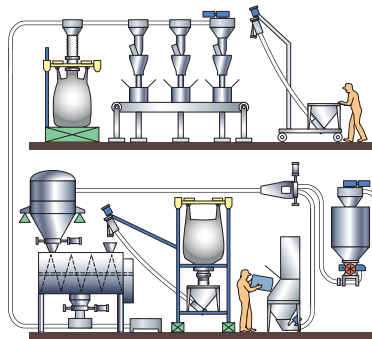


*Sanitary Bag Dump Station with Rotary Airlock, Quick-Clean Hood*

# Configurations (Page 4 of 5)



*Sanitary Bulk Bag Filler  
with Pivoting Fill Head*



*Engineered, Integrated  
Bulk Handling Systems*



*USDA Dairy Accepted  
Bulk Bag Filler*



*TWIN-CENTERPOST™  
Bulk Bag Filler*



*Spilt-Frame Bulk Bag Discharger  
for Low Ceilings*



*Manual Dumping Station  
for Pneumatic Conveyors*



*Sanitary Mobile  
Flexible Screw Conveyor*



*Manual Dumping Station for  
Flexible Screw Conveyors*



*High Capacity BEV-CON™  
Flexible Screw Conveyor for  
difficult-to-handle bulk materials*

## Configurations (Page 5 of 5)



*Low Incline BEV-CON™  
Flexible Screw Conveyor*



*BEV-CON™ Flexible Screw  
Conveyor for difficult-to-handle  
bulk materials*



*Continuous Loss-of-Weight  
Bulk Bag Unloader with  
Flexible Screw Conveyor*

# Broad Range of Bulk Handling Equipment and Systems



**FLEXICON® Flexible Screw Conveyors** transport free- and non-free-flowing bulk solid materials from large pellets to sub-micron powders, including products that pack, cake or smear, with no separation of blends.



**FLEXI-DISC® Tubular Cable Conveyors** gently slide friable bulk material through smooth stainless tubing at any angle to single/multiple points.



**PNEUMATI-CON® Pneumatic Conveying Systems** move a broad range of bulk materials over short or long distances, between single or multiple inlet and discharge points in low to high capacities.



**SWING-DOWN®, REAR-POST and TWIN-CENTERPOST™ Bulk Bag Fillers** can fill one bulk bag per week or 20 per hour at the lowest cost per bag. Numerous performance options.



**BLOCK-BUSTER® Bulk Bag Conditioners** loosen solidified material. Variable height turntable positions bag for conditioning on all sides at all heights.



**BULK-OUT® Bulk Bag Dischargers** unload free- and non-free-flowing solids from bulk bags automatically. Allows untying, discharging, retying and collapsing.



**FLEXICON® Manual Dumping Stations** allow dust-free dumping of bulk material from bags and other containers. Automatic filter cleaning allows continuous, efficient operation.



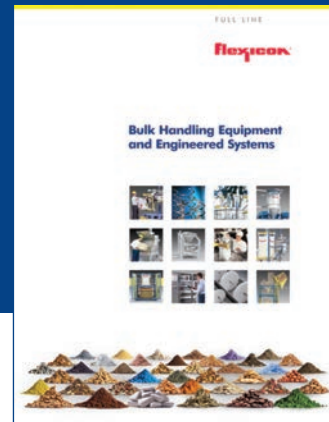
**TIP-TITE® Container Dumpers** empty bulk material from drums into vessels up to 10 ft (3 m) high. Dust-tight (shown) or open chute models.



**FLEXICON® Weigh Batching Systems** weigh and blend bulk ingredients automatically. Gain-in-weight (shown) and loss-of-weight systems available.

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*Flexicon products are manufactured on four continents, and marketed through an extensive sales network throughout Europe, Australia, Southeast Asia, Africa and North/Central/South America.*

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