

# Packaging Industry Maximized

SINGLE SOURCE  
CUSTOM ENGINEERING  
APPLICATION EXPERTISE

**VAC-U-MAX**

DELIVERING MORE

GLOBAL SERVICE & SUPPORT  
100% GUARANTEED  
SINCE 1954

Process Automation Solutions for the Packaging Industry.

# Maximizing Quality & Packaging Performance. Guaranteed.

The Packaging Industry and Contract Packagers demand equipment that will handle ingredients with maximized focus on cleanliness, safety, and hygienic designs — while minimizing product degradation, segregation & contamination.

## GENTLE, DUST-FREE TRANSFER

- Material is drawn directly from drums, super-sacks, storage containers, totes, or other process vessels — without manual lifting, stair-climbing or messy dumping.
- Automated systems can be completely sealed minimizing contamination and fugitive dust.
- Any potential leakage will be inward — no materials or potentially combustible dust discharged into the work area.
- Filtration based on application requirements — Unifilter, Multi filter (sock), Multifilter (pleated bag), or cartridge filter
- All systems are available with secondary HEPA filtration located ahead of the vacuum producer.

## SANITARY DESIGNS

- Material of construction ranges from 304SS or 316L
- CIP-able Designs / Insertable Spray Balls
- All finishes: Your spec or ours, up to mirror-finish
- No tools required for disassembly, sanitary ferrule fittings
- Modular design facilitates easy cleaning
- “No Edges, No Ledges” design with welds ground smooth

## ECONOMICAL

- Long service life / lower cleaning costs
- Minimal maintenance — few moving parts
- Reduced downtime, reduces operating costs



## VERSATILITY

- Vacuum conveying lines can be routed between floors, through partitions, around machinery — can easily be re-routed to accommodate process modifications.
- Ideal for Contract Packagers, adaptable to many processes and packaging operations — vacuum conveying technology is easily integrated, automated and reused.
- Floor-level loading, no manual lifting, ladder or stair climbing, heavy lifting, or messy dumping.
- Mobility brings vacuum conveying to packaging machine

## SAFETY & CERTIFICATION

- Explosion protection available based on the application.
- Rupture Discs, Flame-less Venting, Chemical Suppression, Pressure Containment, Inlet & Outlet Isolation Valves
- In-House Passivation & Dye-Penetrant Testing
- FDA Documentation, Passivation Certificates of Compliance and Mill Certifications
- Bag-in-Bag-Out Filtration
- Factory Acceptance Testing (FAT) available in our 6,000 square foot customer test lab located in Belleville, NJ.

## CONTROLS

- VAC-U-MAX is a UL-certified control panel designer and builder for General Purpose (NEMA 4), Class 1 (NEMA 7/9), Class 2 (NEMA 4/4x with Purge or Pressurization & Controls with ATEX-approved components.
- VAC-U-MAX controls with local PLC or remote plant system including Allen-Bradley, Siemens, RTU, Modbus +, Modbus/TCP, Allen Bradley DF1, Device Net, Ethernet/IP & Profibus DP.
- Conveying with inert gas

## PUT US TO THE TEST!

VAC-U-MAX welcomes the challenge to handle difficult materials under difficult conditions.

Visit [www.vac-u-max.com](http://www.vac-u-max.com) and fill out RFQ.



## VAC-U-MAX APPLICATION EXPERTISE:



Refilling Auger Filling Machines



Sanitary Mobile Conveying Systems



Conveying Multiple Ingredients to Mixers



Conveying Tablets & Capsules to Inspection



Refilling Stick, Packet, & Sachet Filling Machines



Bulk Bag Loading and Unloading Systems



Multiple Ingredient Handling / Batch Weighing



Conveying to Capsule Filling Machines



Refilling Screw, Belt & Vibratory Tray Feeders



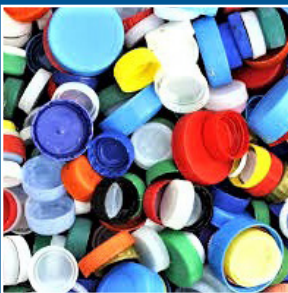
ColumnLift™ Vacuum Conveying Systems



In-Line Air-Swept Check Sieving System



Sanitary Bag Dump Station with LoadLifter™



Conveying Caps, Corks and Closures



Direct Charge Loading to Mixers/Blenders/Reactors



AERO-FLEX Flexible Screw Conveying



Combustible Dust Vacuum Cleaners

Concerned about combustible dust? Learn more about VAC-U-MAX's full line of Portable, Continuous-Duty, and Central Vacuum Cleaning Systems!!

Call (800) VAC-U-MAX or visit [vac-u-max.com](http://vac-u-max.com) and fill out RFQ!



## OVER 65 YEARS OF GETTING IT RIGHT.

In material handling solutions, every detail is critical. So when you do business with VAC-U-MAX, you're guaranteed a lot more than a high-performing product: Pioneering materials handling technology. Custom engineering expertise. Rapid turnaround and responsive support. And of course, our 100% satisfaction guarantee.

For more than six decades, we've made a name as a single-source, dedicated provider, handling more types of materials, serving more markets, and offering the highest possible degree of customization—so your systems are maximized to fit your needs.

### VAC-U-MAX CAPABILITIES

- Direct charge loading of blenders, mixers, reactors and other vacuum tolerant vessels
- Automatic weighing & batching of multiple ingredients
- In-line check sieving while conveying product
- Dust-free transfer to tablet presses and capsule fillers
- Conveying tablets, gel caps, empty or filled capsules
- Delivering product, containers, and closures to filling and packaging machines
- Integration & automation of material transfer & controls
- Maximize regulatory compliance
- Sanitary designs, “No edges, no ledges”
- CIP-able designs
- Hand polishing to mirror finish
- In-House Passivations and Dye-Penetrant Testing
- In-House Engineering for Approval Drawing Submittal

### FULL SERVICE TEST LAB

- 6000 ft<sup>2</sup> (560 m<sup>2</sup>) Test Lab
- 400 ft (120m) tube runs
- Full scale testing with customer supplied ingredients
- Expert Consulting and Design Engineering
- Convey Handfuls to 25,000 lbs/hr (11,400 kg/hr)
- Line size availability up to 4” (100mm) OD
- Material tests for Vacuum Conveying applications
- Material tests for Aero-Mechanical Conveying
- Material tests for Flexible Screw Conveying
- Material tests for Bulk Bag Loading/Unloading
- Material tests for Bag Dump Stations & more!
- Witnessed or Virtual Testing
- High Vacuum Pump Capabilities up to 29” Hg (982 Mbar)
- Industrial Vacuum Cleaner Testing
- Equipped with VAC-U-MAX Central Vacuum System

### THE VAC-U-MAX DISTINCTION:

- Faster processing time
- Cleanable designs & FDA-approved materials of construction
- Easy, quick-clean & take-apart features
- Minimal footprint
- Made in the USA
- Local product support
- Performance guarantee
- Maximize regulatory compliance including (FSMA) sanitation and OSHA (Walking/Working Surfaces)

