

Pharmaceutical Nutraceutical Cosmeceutical Industry Maximized

SINGLE SOURCE
CUSTOM ENGINEERING
APPLICATION EXPERTISE

VAC-U-MAX

DELIVERING MORE

GLOBAL SERVICE & SUPPORT
100% GUARANTEED
SINCE 1954



Maximizing Quality & Process Performance. Guaranteed.

The Pharmaceutical, Nutraceutical & Cosmeceutical Industry demand equipment that will handle ingredients with maximized focus on cleanliness, safety, and hygienic designs — minimizing 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 hazardous materials discharged into 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, easy 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.
- Adaptable to many process operations — easily integrated and automated.
- Floor-level loading, no manual lifting or messy dumping.
- Mobility brings vacuum conveying to process vessel.

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, and 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 and fill out RFQ.



VAC-U-MAX APPLICATION EXPERTISE:



Tablet Press Loading Systems



Sanitary Mobile Conveying Systems



Direct Charge Loading to Mixers/Blenders/Reactors



Tablet/Capsule/Gel Cap Conveying to Inspection



Conveying Powders & Granules to Packaging



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™

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 ft² (560 m²) 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

Call (800) VAC-U-MAX or visit 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.

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)

