

Process Solutions for the Cannabis Industry. MAXimized.



Processing & Packaging Solutions for the Cannabis Industry

Efficiency Meets Ease of Use. Guaranteed.

Revolutionizing cannabis processing & packaging with increased productivity, easier powder & bulk material handling, and less waste.

Cannabis & hemp processing facilities, including edible & infused beverage manufacturers, CBD tablet & capsule producers, white label processors, toll processors, and seed-to-shelf facilities, can increase margins and meet quality standards by implementing proven vacuum conveyor technology to automate powder and bulk material transfer from once process machine to the next.

HOW IT WORKS

Vacuum Conveying provides gentle automated transfer of dry bulk materials and powders from place to place, using suction, through a tubing network. Vacuum conveying systems consist of five basic parts: a pickup point where material enters into the conveying system; convey tubing that transfers material between equipment; a vacuum receiver (aka filter receiver), which is an intermediate holding vessel for materials; a vacuum source that powers the system; and a control panel.

In addition to reducing manual labor costs, vacuum conveyors mitigate dust and safety hazards that manual scooping and dumping pose, preserve and capture materials for reuse and recycling, and deliver ingredients with precision measurement to boost quality and ensure consistent dosing.

TYPICAL APPLICATIONS

Filling & Refilling Packaging Machines & Feeders

Packaging machines & feeders are often purchased without considering how they will be filled and refilled. Vacuum conveying offers the fastest (usually in a matter of seconds) and safest way to refill auger fillers, volumetric and gravimetric feeders, vertical form fill seal packaging machines as well as tin and stick fillers

Multi Ingredient Batch-Weighing

Multi-ingredient batch-weighing hopper feed systems convey major, minor, or micro ingredients, such as powders, granular food ingredients, nuts, and other bulk ingredients, that allow minimal product degradation when pneumatically conveyed.

Topping Spreader Feeders

Spreader feeders automatically reclaim and reuse excess toppings—sugar, salt, sesame seeds, cornmeal, chopped nuts, and more—that drop from conveyor belts and convey them back into topping machines for even redistribution.

Tablet Fillers and Gel Capsules Transfer

Ready-to-operate tablet press loaders available as complete systems for mounting on single or dual hopper tablet presses. Gel cap & capsule conveyors are turnkey systems engineered for easy transfer of gelatin, liquid-filled & split capsules, to counting, polishing, inspection, weighing, filling, and packaging stations.

Mobile and ColumnLift™ Conveyors

Mobile and column lift conveyors are complete conveying systems that raise and lower the vacuum receiver in order to load taller equipment such as mixers, packaging machines, and other process equipment with hatch doors, bringing the vacuum receivers down to ground level for cleaning or sanitizing, eliminating the need for stair climbing & manual dumping.

Direct Charge Blender Loading

Direct charge blender loading is a unique adaptation of vacuum transfer using vacuum tight process vessels, such as blenders, as the primary vacuum receiver for material being charged into it. These systems significantly reduce the amount of carry over, eliminating product loss and ensuring batch integrity.



FOOD-GRADE VACUUM RECEIVER WITH INTEGRAL DISCHARGE SCREW FOR NON-FREE FLOWING MATERIALS



VAC-U-MAX CAPABILITIES

- FDA-Approved Designs
- Automatic weighing & batching of multiple ingredients
- Dust-free material transfer to filling & 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

Vacuum Conveying Powders, Granulars, and Wrapped Product to Processing & Packaging Lines



Call 800-VAC-U-MAX or visit vac-u-max.com to find out how we can maximize your cannabis processing application!

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.

