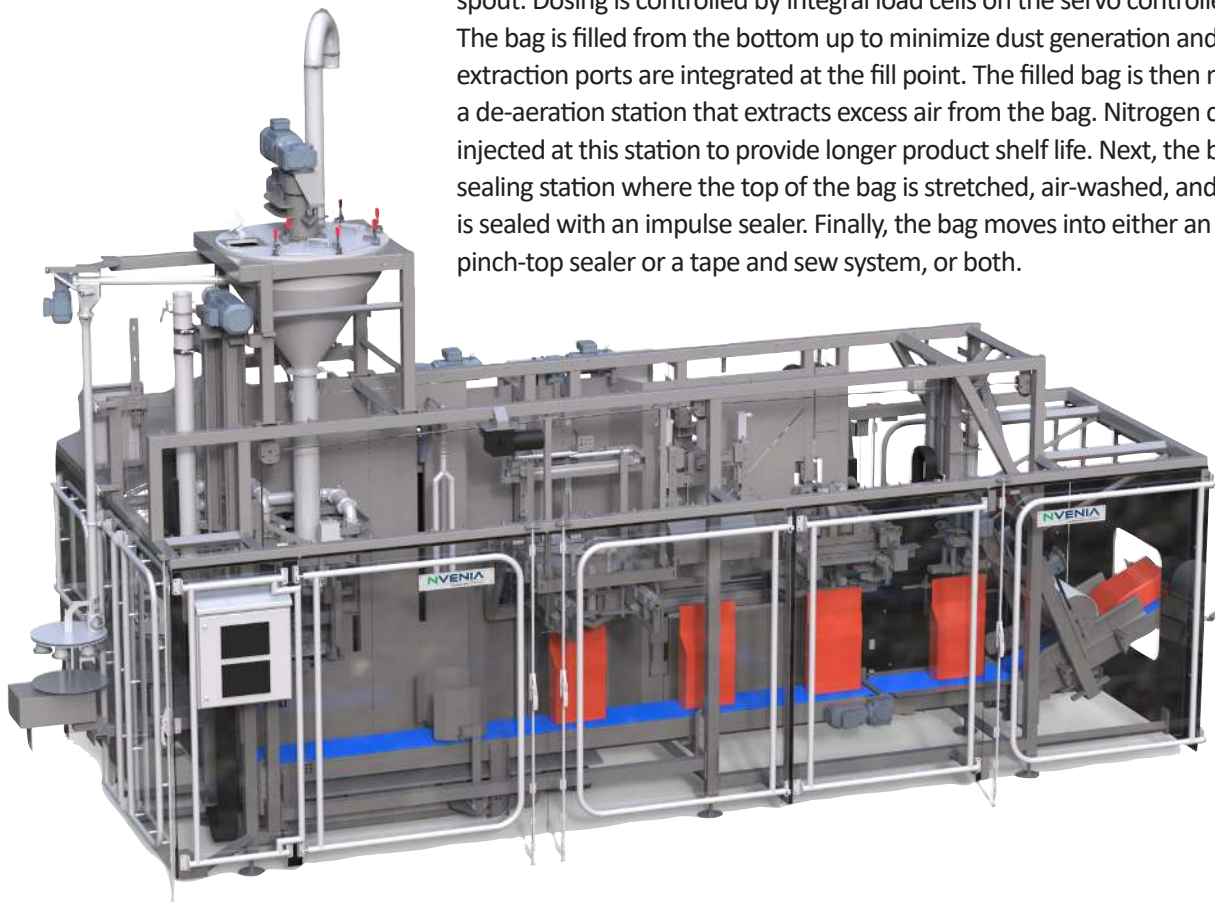


Automatic Bagging System for Powders

- Delivers fully automated bag filling, de-aeration, inner bag sealing, and outer bag closing in a single machine.
- Provides highly accurate dosing of free flowing powdered products.
- A single operator can run multiple lines, freeing up to five labor resources for other value-added activities.

nVenia's Hamer brand VLR-B fully-automated bagging system is designed to eliminate the complexities associated with packaging powders into open-mouth bags. The technology behind the design of the VLR-B ensures a highly accurate dosing and precise dust control at every stage in the packaging process. The simple, yet highly durable design and construction makes change-over fast and easy for maximum throughput.

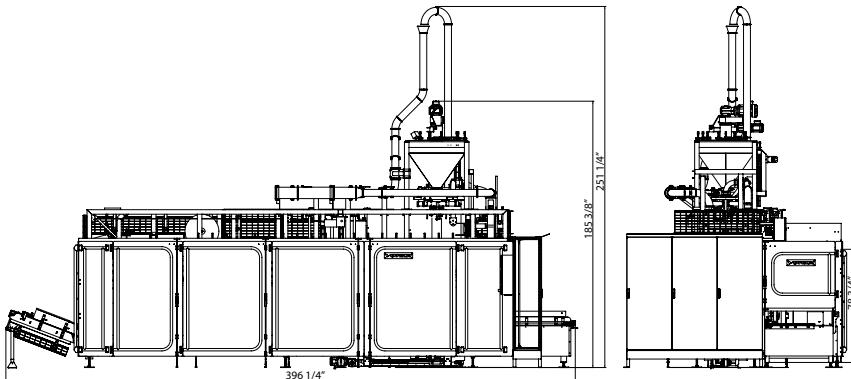
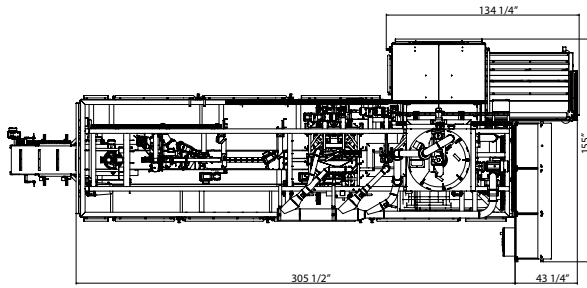
The Model VLR-B automatically picks and positions the empty bag onto the filling spout. Dosing is controlled by integral load cells on the servo controlled auger filler. The bag is filled from the bottom up to minimize dust generation and dust extraction ports are integrated at the fill point. The filled bag is then moved to a de-aeration station that extracts excess air from the bag. Nitrogen can also be injected at this station to provide longer product shelf life. Next, the bag moves to a sealing station where the top of the bag is stretched, air-washed, and the inner liner is sealed with an impulse sealer. Finally, the bag moves into either an integrated pinch-top sealer or a tape and sew system, or both.



APPLICATIONS

This is ideal for a variety of powdered products where dust management is critical. These can include:

- Whey proteins
- Milled products
- Ingredients
- Animal feed additives
- Agricultural powders
- Milk powders
- Calf milk
- Bakery mixes
- Spices
- Fine minerals
- Chemicals
- Sugars
- Flour
- Breeding and coatings



FEATURES

- Highly accurate, servo controlled dosing
- Dust collection/management at each stage in the process
- Bottom up fill method to minimize generation
- Up to 500 programmable recipes
- Ethernet and wifi connections for remote service
- Easy to clean structure built with hygienic design principles
- Designed for ease of operation, adjustment, and maintenance
- Fully welded, powder coated, structural steel frame
- product contact points in 304 Stainless Steel

OPTIONS

- Integrated bag top correction and pinch-top sealer
- Integrated bag top sewing system with bag top cutter and crepe tape
- ATEX around filling point (3 foot radius)
- Additional stack stations for empty bags
- Integral product sampling unit to extract samples from the dosing hopper
- Bag top trim removal
- Gas flushing with nitrogen
- Centralized dust extraction - combines all dust extraction zones to single outlet
- Full 304 Stainless Steel construction

SPECIFICATIONS

- Up to 6 bags per minute - product and bag size dependent
- Minimum 10 lb, maximum 60 lb product weight
- 0.6 to 0.8 kg/L powder density
- 480VAC, 3 Phase, 60 Hz
- 90 PSI air with 1.5" connection
- Full color touchscreen HMI
- CE compliant construction
- 304 Stainless Steel product contact points
- RAL9007 paint color

BAG INFORMATION

- L 23-5/8" (600 mm) to 39-3/8" (1000 mm)
- W 15" (380 mm) to 22-1/2" (570 mm) or 17-3/4" (450 mm) with gusset (Note: gussets will be inverted during sealing)
- Open mouth paper with sealable PE liner (min 7 mil), laminated polypropylene, polyethylene, block bottom style with pillow top is preferred