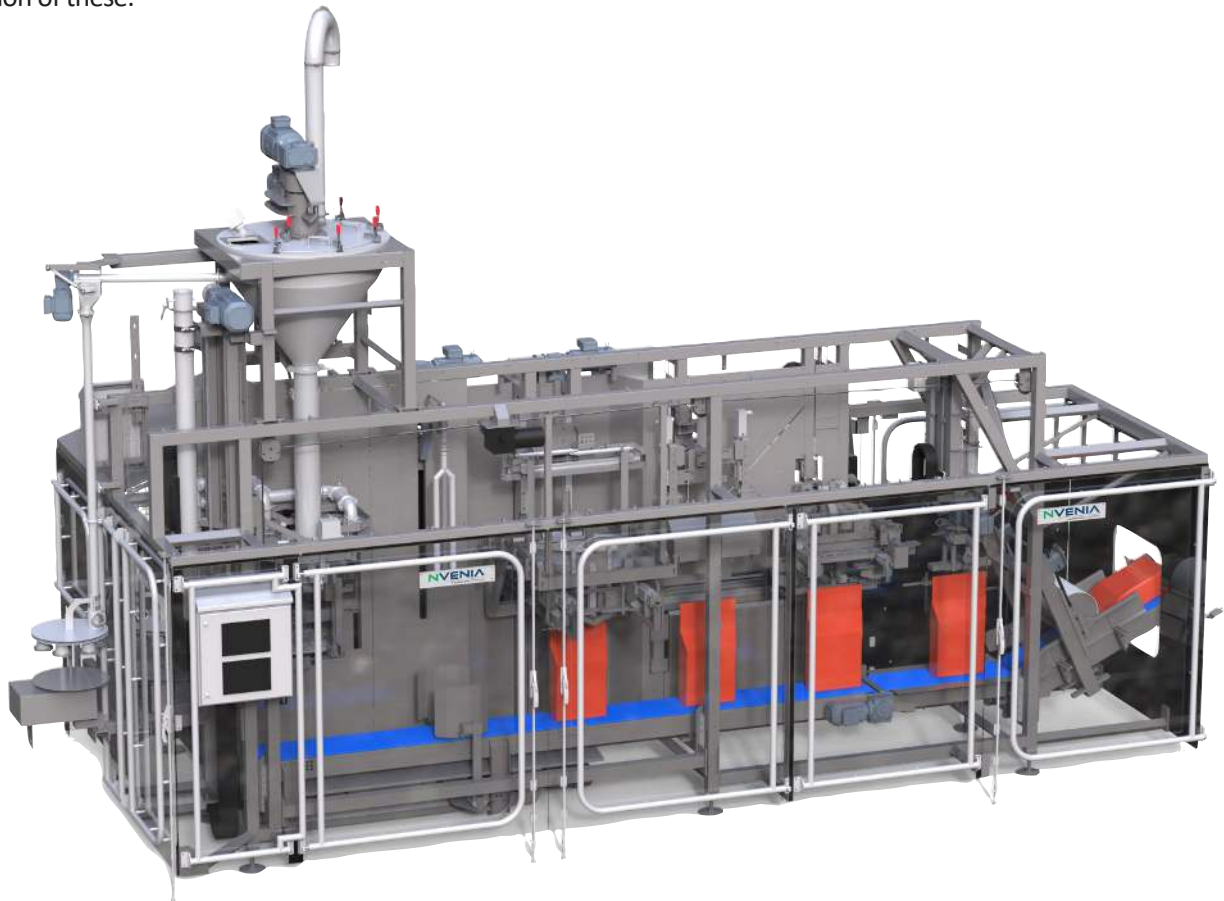


Automatic Powder Bagging System

nVenia's 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. Options include the introduction of nitrogen gas at the filling position to provide a longer shelf life and downstream product de-aeration to remove excess air from the product and bag for a more stable package. 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 filled bag moves into the integrated bag sealer section, which may be a pinch-top sealer, tape closure, a sewing machine, or a combination of these.

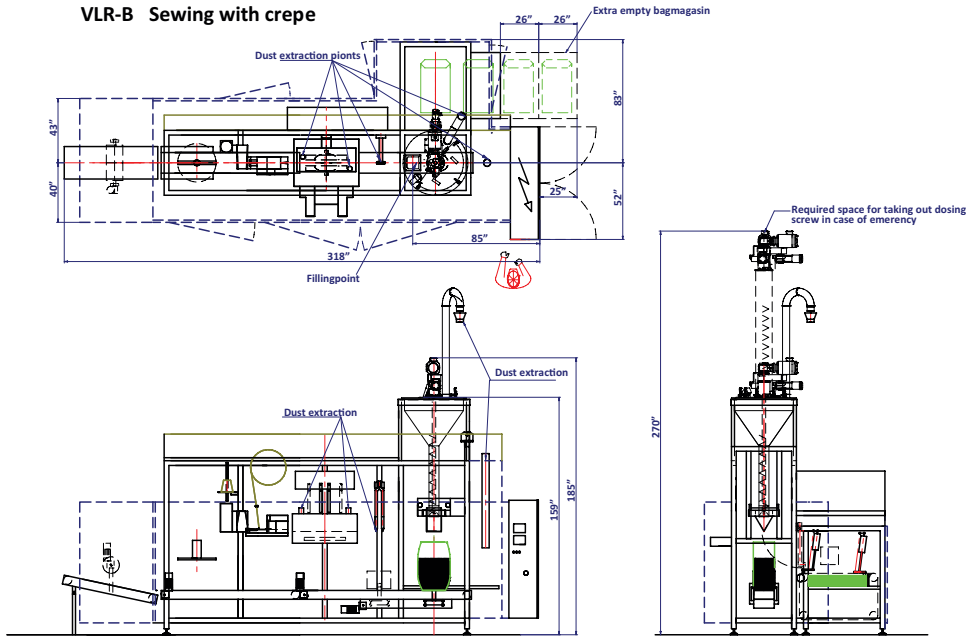


APPLICATIONS

This is ideal for a variety of powdered products where dust management is critical:

- 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

VLR-B Sewing with crepe



Final layout may vary



Filling Machine in High Care Zone



Bag Closing with Pinch-Top

FEATURES

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

OPTIONS

- Centralized dust extraction - combines all dust extraction zones to single outlet 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
- Full 304 stainless steel construction

SPECIFICATIONS

- Up to 6 bags per minute - product and bag size dependent*
- Minimum 10 lb, maximum 100 lb product weight
- 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

*Rate dependent on product characteristics and final weight in bag

BAG INFORMATION

Empty Bag Size Range*:

- 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)

*Consult your regional sales manager for bags outside of provided range

BAG TYPES:

- Open mouth paper with sealable PE liner (min 7 mil)
- Laminated plastic
- Plastic, block bottom style with pillow top is preferred