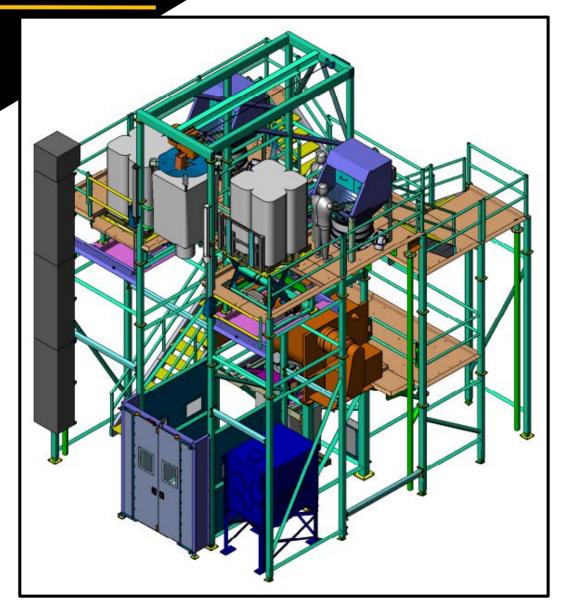
## NBE's **REAL** RESULTS



# **Powder Blending & Packaging System**

**Application Details:** 

NBE CSO: E951695002

Material: Powdered Drink Mix Blends

Bulk Density: Varies Particle Size: Varies

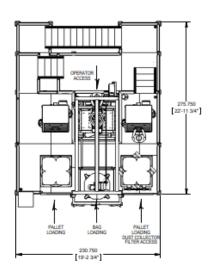
Flowability: Poor to Free Flowing

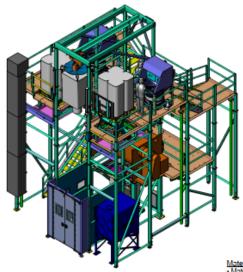
Area Classification: Class II, Div. 2, Group G

Rate: 3-4 batches per hour

**Application Overview:** A customer was building a new facility that had a room dedicated for use in their powder blending process. They contacted NBE to help develop a solution that will meet their process needs and fit inside the space they have available. The system needed to handle raw ingredients from supersacks as well as small bags. Recipes were based on even numbers of the raw material packages. All of the material must be discharged, screened to prevent any contaminants, and discharged into a horizontal ribbon blender. Attention must be paid to ergonomic handling of the materials, including the scissor lift for bag positioning, along with disposal of the empty packaging from the upper levels of the system. The finished blends were packaged in super sacks that will ultimately be used to supply their packaging line. NBE designed and manufactured a custom three-level platform to support all of the equipment in the available space. NBE coordinated with the customer's dust collection vendor once the system was assembled in our facility. The vendor came and installed the vent lines under the platform structure in our facility. The customer visited for a final inspection of the completed system assembly prior to shipment and was very pleased with the finished product.







BBU ACCESS

8'-0" MIXER ACCESS

BULK BAC FILLING STATION

BAG BREAK STATION-BAG BREAK STATION Transacti 369.000 240,000 |20'-0" | BAG BREAK STATION ACCESS DUST COLLECTOR (BY OTHERS) MIXER (BY OTHERS)

- Material Information:
   Material Name: Various powders, grannules (food ingredients)
- Bulk Density: Various
- Particle Size: Various
- Flowability: Various
- Material Characteristics: Various
- Process Rate: N/A

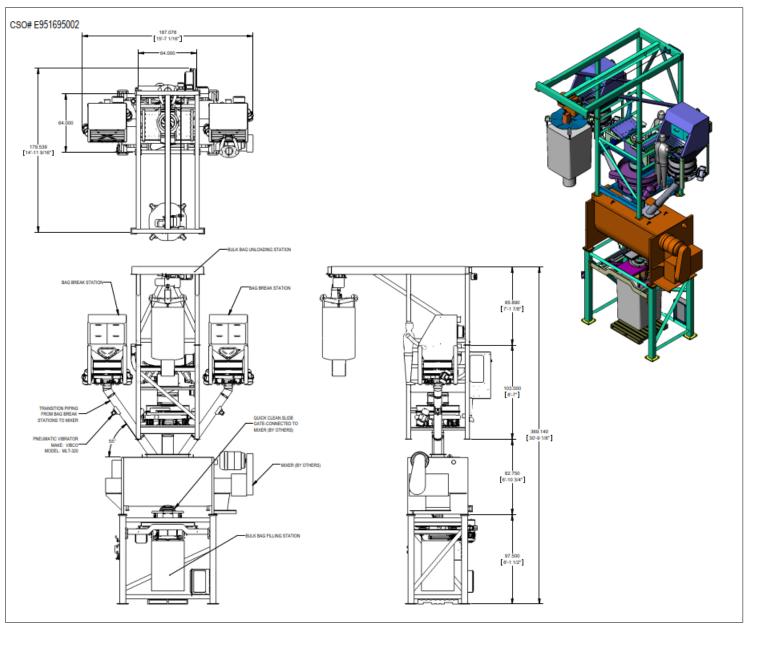
- Bulk Baq Filling System Information: The bulk bag filling system contains the following components: Bulk Bag Unloading Station (1 each) See SHEET 4 for additional information
- Bag Break Station (2 each)
- -See SHEET 5 for additional information
- Bulk Bag Filling Station (1 each)
   See SHEET 6 for additional information
- · Lift Table Station (2 each)
- -See SHEET 7 for additional information Platform System
- -See SHEÉT 8 for additional information
- · SSI/Marion Mixer, provided by customer
- · Dust Collector and ducting, provided by customer

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_		National Bulk Equipment	

12808 STAINLESS DM., HOLLAND, MICHIGAN 49626 PHONE (616) 389-2220 www.nierins.com

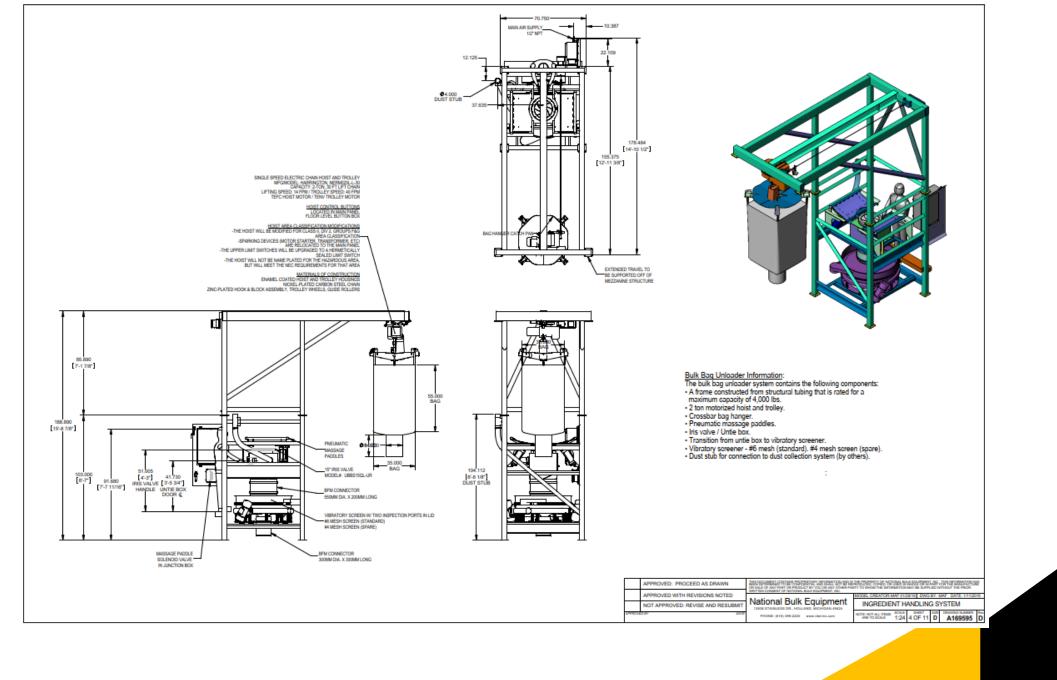
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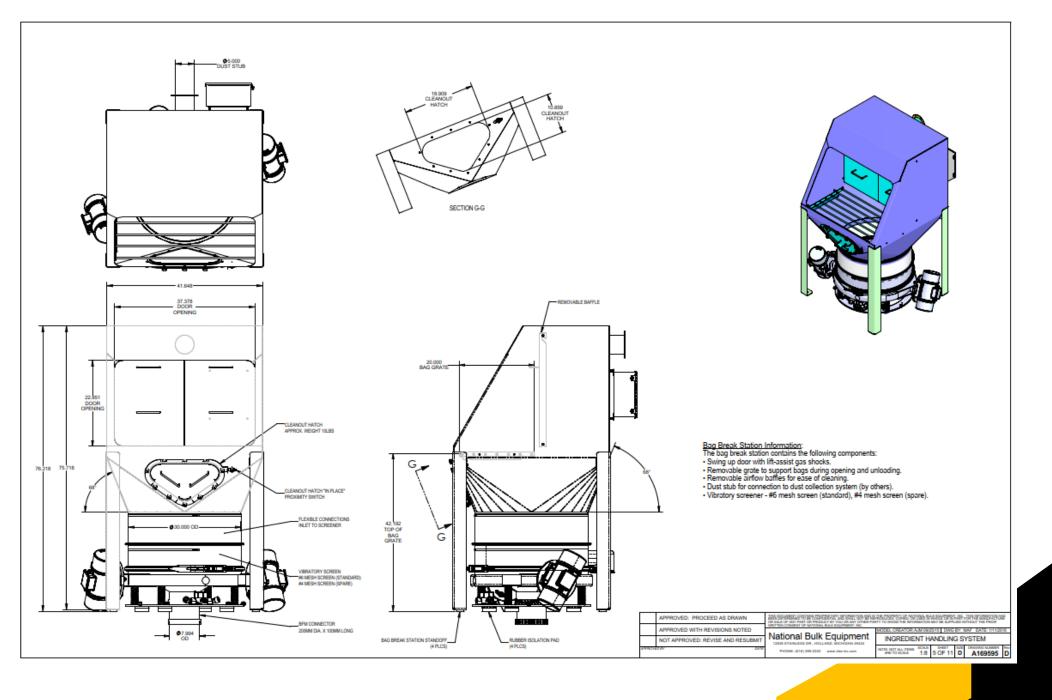




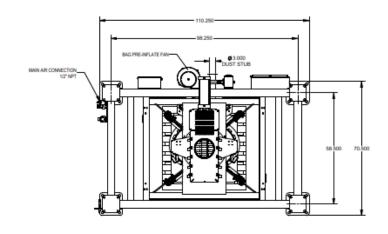


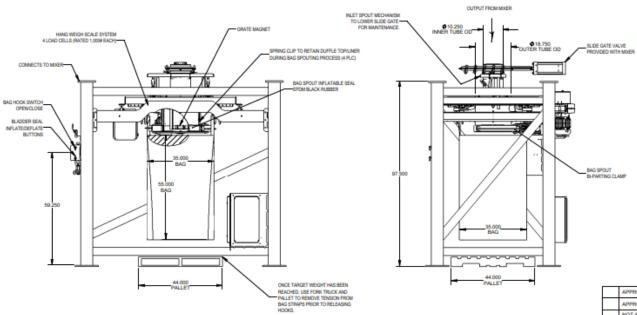


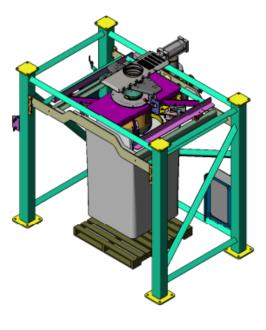












- Bulk Bag Filling Station Information:
  The bulk bag filling station contains the following components:

  Bag pre-imitation fan

  Stub for dust collection

  Bag spout seal system: Bi-parting clamp with inflatable bladder seal
- Pneumatic bag hook release
   Hang weigh scale system

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