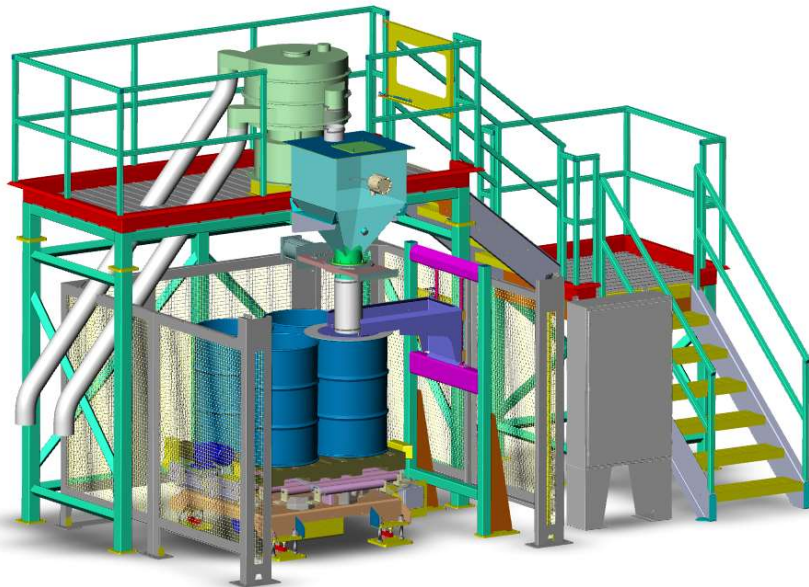


Drum Filling System

Application / Equipment Details:

- NBE CSO: E342334019
- Material: Absorbent Granules
- Bulk Density: 40.58 [lb/ft³]
- Particle Size: 250-850 [microns] (granules)
- Surge Bin Usable Volume: 5.5 cu.ft.

Application Overview: The customer is expanding production on a new form of filter media for respiratory products that need to be packaged in fiber drums. National Bulk Equipment worked with the customer to design a 4 drum-filling system to meet their packaging needs. The product is conveyed over to the filling system pneumatically and discharged into a 3-deck screening system. A certain particle size distribution was required and the discharge off the middle deck of the screener was targeted for the drums. The usable product from the screener flows into an intermediate surge hopper allowing a continuous process of filling the drums. The filling of the drums occurs automatically with each drum indexing on a turntable and filled to the desired weight. When all four of the drums are filled the operator removes the pallet of filled drums and places new drums within the filler. The system was supplied with complete electrical controls and programming allowing for recipe-driven flexibility. In addition, a custom operator platform was provided for access to the elevated equipment. Safety caging with a light curtain was also provided around the drum filler providing full protection from moving parts.



Real Results APPLICATION OVERVIEW

