

Bulk Handling System

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Fully automated, self-contained bulk material handling system completely manages material from the introduction stage through discharge and conditioning to downstream supply of finished material into manufacturing operations. Company's lift-and-seal carriage receives each 1,450-pound container and precisely aligns and seals it to the custom, stainless steel discharge hood using an automatic centering system. The 2,000-pound capacity lift carriage raises and rotates the container 180 degrees, ensuring complete material discharge. The 100 cubic-foot capacity, stainless steel receiving hopper with integrated agitator pre-conditions the material. A 9-inch diameter auger feeds pre-conditioned material to a high-capacity, dual-shaft size reduction crumbler for final conditioning of the material prior to pneumatic conveying to downstream process operations. High capacity, chain drive, live roller conveyors and 90-degree rotation turntables provide container indexing and accumulation. Electrogalvanized, zinc-coated, carbon steel conveyor rollers provides corrosion resistance and extended duty cycles in the harsh environment.

National Bulk Equipment, Inc., www.nbe-inc.com [1]

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