

# 5-station Bulk Bag Unloader System

Chem.Info Staff



National Bulk Equipment, Inc.'s 5-station, bulk bag unloader system combines high-capacity structural construction with a centralized controls and automation architecture to safely and accurately supply to downstream process operations a total of 12 million pounds/year of five, combustible input ingredients.

- Unloader station is constructed of thick-wall, 6-inch by 4-inch carbon steel structural tubing, and heavy-gauge carbon steel plate to meet, or exceed, ANSI and ASME specifications
- Ensure reliable, low-maintenance operation during virtually continuous-duty operation
- Controls and automation architecture of the 5-station system uses custom PLCs and HMIs engineered, programmed, and built to integrate to the process facility's central control system
- Five different material types range in bulk density from 150kg/m<sup>3</sup> to 630kg/m<sup>3</sup>
- Each unloader uses two integrated, hydraulic massage paddles with 2,200 pounds of paddle pressure to condition the material and aid material flow
- Combustible materials move from the bulk bag through the NBE E3™ enclosed bag spout interface where migrant material generated during bag unloading is collected and re-introduced to the process flow

[www.nbe-inc.com](http://www.nbe-inc.com) [1]

**Source URL (retrieved on 01/25/2015 - 7:18am):**

<http://www.chem.info/product-releases/2013/06/5-station-bulk-bag-unloader->

## 5-station Bulk Bag Unloader System

Published on Chem.Info (<http://www.chem.info>)

---

[system?qt-recent\\_content=0&qt-most\\_popular=1](#)

### Links:

[1] <http://nbe-inc.com/>