

# To Liquify Agglomerated Bulk Material



National Bulk Equipment's automated bulk bag unloader system uses a fully integrated 4-stage material-conditioning sequence to prepare an extremely agglomerated, rock-like material for supply to a downstream liquification process. According to the company, this system additionally boasts:

- A dual, opposing bag hoist design that enables high-volume input of material to the first conditioning stage in which 2 hydraulic de-blocking rams deliver 28,000 pounds of direct material force.
- Dual hydraulic massage paddles — each with 2,200 pounds of paddle pressure — to further reduce material to chunk sizes.
- A bag spout valve that offers 1,000 pounds of material break-up force and is capable of breaking up a static column of material, then reducing the material for the final stage in which a high-capacity size reduction crumbler breaks material into 1/4-inch pieces for downstream conveying.
- Heavy-duty construction to eliminate potentially dangerous manual material-conditioning measures, improving operator safety and total process throughput.
- Integrated automation engineering-centralized communication with legacy downstream blending operations to signal upstream material input sequences if supply requirements dictate them.

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### Links:

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