

Bulk Bag Conditioner-Unloader

This new bulk bag conditioner-unloader system loosens bulk solid material that has solidified during storage and shipment, allowing it to discharge through a bag spout. The integral configuration of the conditioner eliminates the time, labor, and equipment needed for separate loading of bags into a stand-alone conditioner. The design also consumes significantly less floor space than two separate pieces of equipment and requires less material and labor to construct. Two hydraulic rams with contoured end plates press opposing sides of bulk bags, which can be raised and lowered for conditioning at varying heights using an electric hoist. The hoist assembly also includes a motorized trolley to allow loading and unloading of bulk bags without the need for a forklift. The conditioner's controller and hydraulic pump can be mounted on the exterior of the unloader or remotely. Safety interlocks disallow operation of the conditioner when the unloader's doors are open.

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