

Bulk Filling System

This automated bulk filling system features a High-Lift Drum Dumper that automatically transfers bulk solid materials from drums to the dispensing valve dust-free and fills pails by weight. The lift-and-seal-type drum dumper is loaded at floor level onto a platen that lifts hydraulically to form a dust-tight seal between the drum lip and gasketed discharge cone. The entire drum carriage elevates hydraulically, then tips, causing the cone to mate with a gasketed receiving ring on the filling machine's surge hopper lid, after which a slide gate valve at the cone spout is actuated, allowing material to fill the hopper with no dusting.

Source URL (retrieved on 07/22/2014 - 9:56am):

<http://www.chem.info/news/2006/05/bulk-filling-system>