

06

Rate: 30 to 60 bulk bags/hr.
Weight capacity: 2 tons/bulk bag
Objectives: automatic filling of bulk bags at high rates and ergonomic station design

AUTOMATED FILLING SYSTEM FOR HIGH FLOW RATES AND NET WEIGHING

The FlowMatic® 06 bulk bag filling model is a complete system solution for automatic net weighing and bulk bag loading (dosing, packaging, conveying, etc.). This model is designed for continuous operation with high flow rates to simultaneously automated a series of operators tasks. The FlowMatic® 06 is designed with integrated features to minimize the need for human intervention, including: weighed pre-dosing hopper, inflatable containment seal, rotating bulk bag hooks with automatic release, pneumatically adjustable bulk bag height, commercial weighing, vibrating densification table, pallet feeder, motorized roller conveyor, etc.

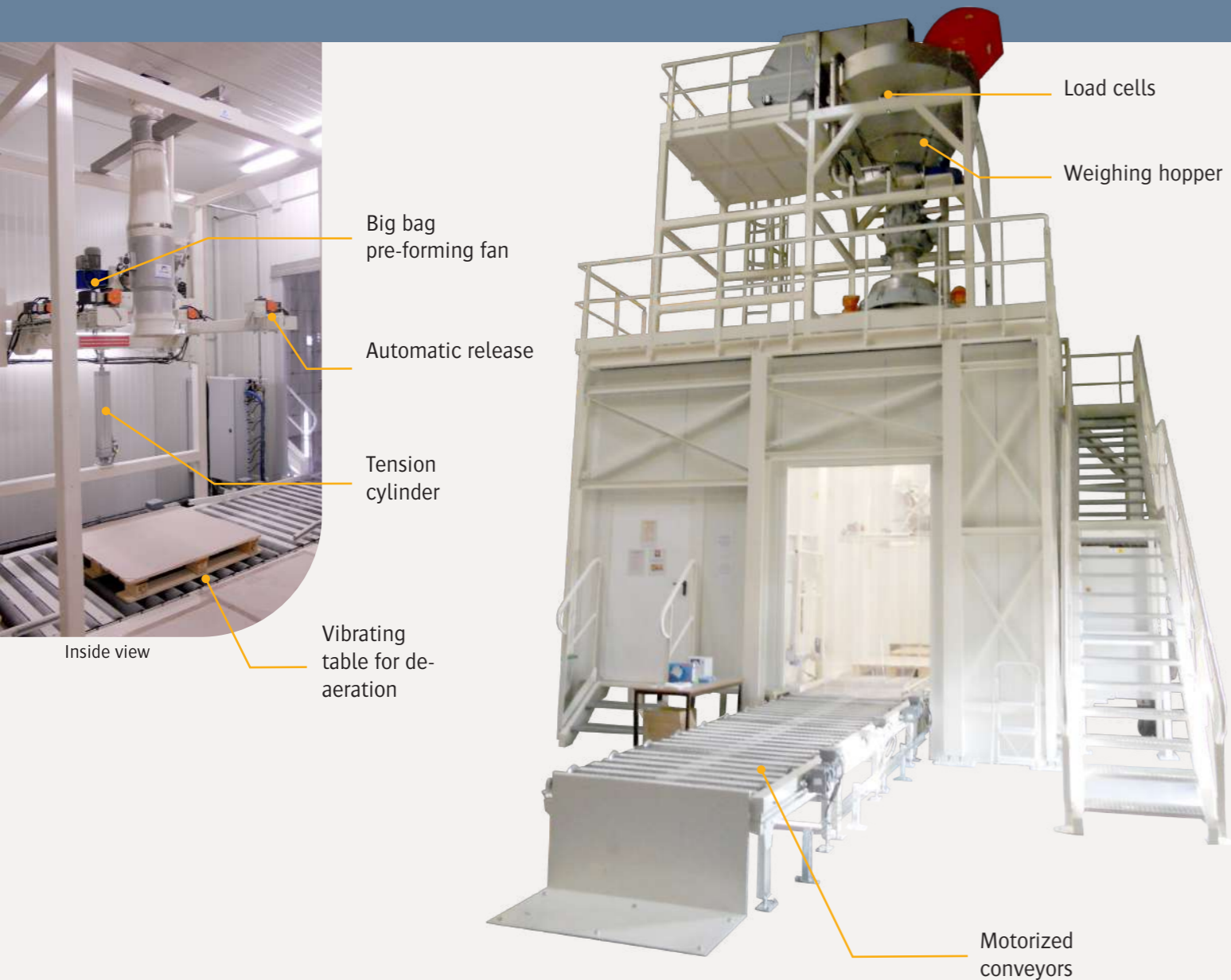
TECHNICAL SPECIFICATIONS

Flow rate: 30 to 60 bulk bags/hr.
Manufacturing materials: mild steel, SS 304L, SS 316L
Finishes: RAL 9006, micro-blasted, electropolishing
Installed power: 11.7 HP
Average power consumption: 2 HP
Compressed air consumption: 10.2 Nm³/hr.
Service pressure: 6 bar
Input 4 - 20 mA: 1
Input TOR: 15
Output TOR: 13
Weighing precision: ± 500 grams
Dust collecting rate: 353 CFM
Max. dimensions of bulk bags:
Length x width x height: 47.25" x 47.25" x 94.5"

OPERATING SEQUENCE

AVERAGE TIME FOR A COMPLETE CYCLE: 1- 2 MINS

1. Empty pallets are automatically fed onto the motorized conveyor
2. The bulk bag is placed on the filling station
3. The operator connects the bulk bag inlet to the inflatable seal for full containment
4. The height of the filling head is adjusted by a pneumatic cylinder
5. A pre-forming fan inflates the bulk bag for optimal shape
6. The bypass valve switches to exhaust mode for volume balancing
7. Automation of bulk bag filling process
8. Weighed dosing hopper prepares the next batch (hidden time)
9. Intermittent vibration from the densification table for stability
10. Bulk bag filling sequence is complete, the automated hooks and inflatable seal release the bulk bag
11. The bulk bag is closed and transferred to a buffer area via the motorized conveyor



Motorized conveyor for high production rates



Pallet unloader can handle 15 multistyle pallets

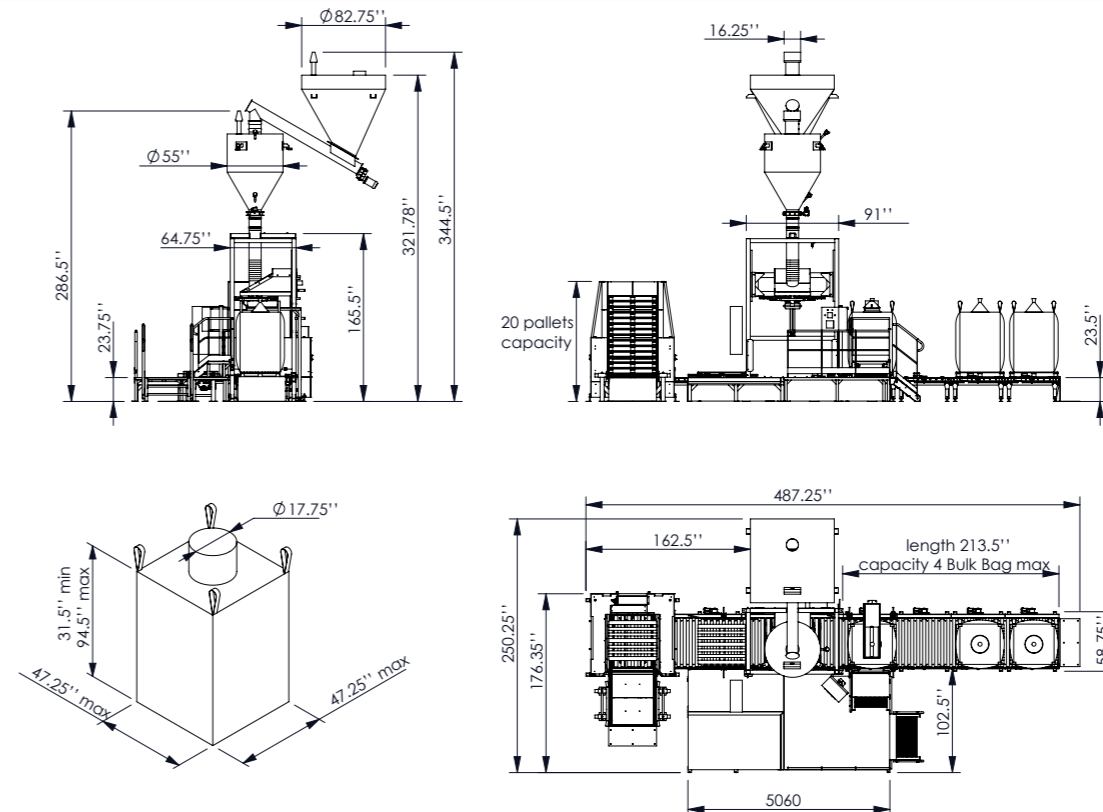


Net weighing hopper for customized filling



Big bag removal by lift truck

Avantages



<https://www.palamaticprocess.com/bulk-handling-equipment/big-bag-filling/flowmatic-06>

Download videos & layouts from our website

Options



Welding system



Big bag covering

See all our options on page 28