



# RBF1200Li Bag Filler



# Lights Out Packing with the RBF1200Li

## Overview

The all new GEA Avapac RBF1200Li bag filling system sets a new benchmark in automated powder packing and bag handling.

Reliable bag filling and closing, combined with an automated pallet de-stacking system has resulted in the worlds first truly "lights out" packing system which eliminates the need for an operator inside the packing room.

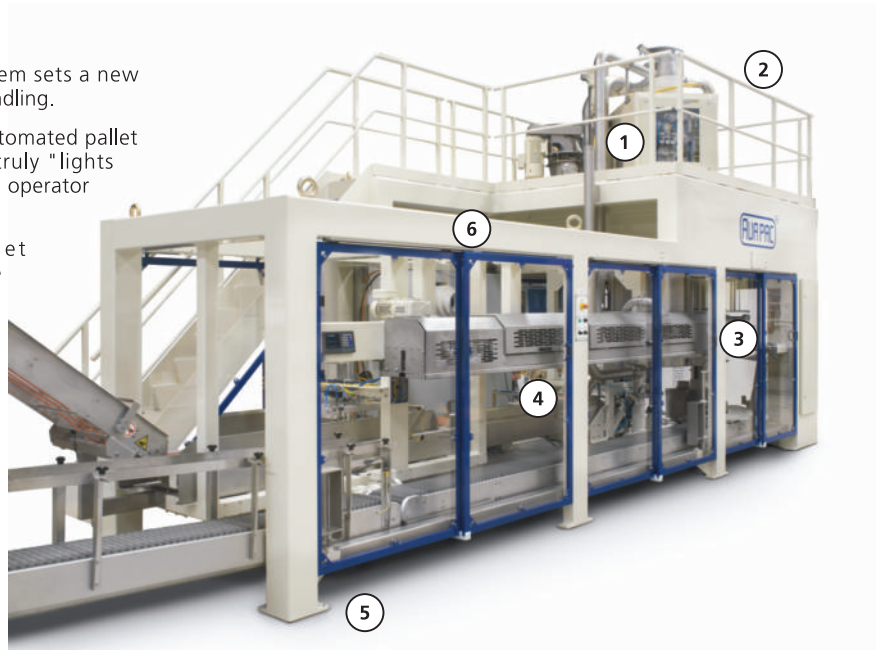
Starting at the optional fully automated pallet de-stacking system, bags are delivered to the RBF1200Li and loaded onto the filling head ready for filling and closing.

Eight independently controlled bag stations are combined into a carousel to perform bag filling, preparation and closing whilst the bag is fully held ensuring fault free operation and thereby maximising throughput of the bag packing plant.

Well proven GEA Avapac bag sealing and closing technology has been integrated into the filling system to provide a very compact operation which significantly reduces the space required for production.

A wireless connected operator panel can be used to monitor the packing process from a central location - which was previously only possible for large automated processing plants.

Optional Ethernet connectivity enables both local and remote monitoring and data analysis using the customer SCADA system.



By adding GEA Avapac x equipment we can provide our customers with a complete solution for fully automated bag filling, conditioning and quality checking which can be matched to any automated palletising system.

### 1. Integrated Services

Integrated dust extraction system for removal of nuisance dust.



### 2. Large scale implementation

Multiple RBF1200Li systems combined into a 50TPH lights out packing plant.



### 3. Reliable Bag Clamping

Flexible bag clamp system for reliable holding of flexible packaging.



### 4. Auto-Bag Length Adjustment

Reliable bag loading with automatic adjustment for variable bag lengths.



### 5. Wireless Operator Interface

Remote operator interface option for wireless monitoring of the filling operation.



### 6. Automatic Composite Sampling

Multi-port rotary sampling system for accurate composite based quality samples.



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## ■ Design Objectives

- Provide fully automated bag loading, filling and closing operation
- Provide optimum level of automation with no operator intervention
- Ensure ultimate product quality and integrity of operation
- Handle a wide range of bag sizes and types
- Compliance with worldwide safety and hygiene standards
- Provide integrated and extensible control for other equipment in a bag handling plant
- Ease of operation and maintenance

## ■ Features

- Fully integrated control and operation
- Stainless steel construction of all bag and product contact parts
- Modular link plastic belt to all conveyors
- Extensible PLC control for additional line components
- Connectivity to remote SCADA systems
- Interfacing to palletising systems
- Product quality control
- Average Quantity Filling (AQS)

## ■ Standards

- Compliance with the Hygiene EN 1672 – 2 : 2005
- 3A Standards & USDA requirements
- CE compliant
- AUS & NZ MAF Regulations
- ATEX compliant

## ■ Equipment Options

- GEA Avapac provides additional options:
- Automatic pallet de-stacking
  - Powder sampling
  - Integrated bag coding from operator terminal



## Process Engineering

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