Automated Packing Lines
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Overview

GEA Avapac can provide fully automated packing lines for low, medium and high production capacities. Starting with the IBF 450 at 4.5 tonnes per hour through to the impressive RBF 1800, capable of packing in excess of 18 tonnes per hour at extreme precision, all GEA Avapac automatic packing lines ensure the highest level of performance and reliability, whilst providing ease of operation and maintenance.

Each line option comprises an automatic bag presenting system which has been developed over many years and is now in its 3rd generation. The bag presenter features a new multiple bag stacking and presentation system which has been developed and proven on higher capacity lines.

A new generation neck-stretching system ensures reliable bag presentation to the heat sealer to complete a fully automated bag filling and closing system.

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

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

- Provide automated bag filling and closing operation
- Provide optimum level of automation
- Ensure ultimate product quality and integrity of operation
- Handle a wide range of bag sizes and types
- Compliance with hygiene standards
- Provide integrated and extensible control for other equipment in a bag handling plant
- Ease of operation and maintenance

Standards

(a) EU Directives and their harmonized standards:
- Machinery 2006/42/EC;
- "ATEX" 94/9/EC;
- Electromagnetic compatibility 2004/108/EC;
- Pressure equipment 97/23/EC;
- Hygiene EHEDG Guidelines; and compliance with 1935/2004/EC

(b) US standards covering:
- Hygiene USDA Guidelines; FDA Codes of Federal Regulations - (CFR series 21)
- Machine Safety OSHA 1910 Subparts O&S; ANSI B11.19; ANSI/PMMI B155.1; NFPA 70 & 79; ANSI/ISA 12.10.05

Features

- Fully integrated control and operation
- Stainless steel construction
- Modular link plastic belt to all conveyors
- Range of filling capacities
- Extensible PLC control for additional line components
- Optional connectivity to remote SCADA systems
- Interfacing to palletising systems
- Product quality control

Equipment Options

GEA Avapac provides additional options:
- Powder sampling
- CIP cleaning
- Box and Drum filling
- Siemens PLC and operator interface
- Hazardous area compliance
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Excellence • Passion • Integrity • Responsibility • GEA-versity

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