

Overview

GEA Avapac can provide fully automated packing lines for low, medium and high production capacities. Starting with the IBF 450 at 4 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.

Automated Packing Lines



Automated Packing Lines

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:

- Machine Safety 98/37/EC;
- "ATEX" 94/9/EC;
- Noise 2003/10/EC;
- Electromagnetic compatibility 2004/108/EC;
- Pressure equipment 97/23/EC;
- Hygiene EHEDG Guidelines; and compliance with

(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/PMMA 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
- ATEX compliance



Process Engineering

GEA Avapac Ltd.

12-18 Foreman Road, PO Box 10266, Te Rapa, Hamilton 3241, New Zealand
Tel. +64 7 849 3414, Fax +64 7 849 3494
info@avapac.com

GEA Colby Powder Systems Pty. Ltd.

328 High Street, Chatswood, Sydney, NSW 2067, Australia
Tel. +61 2 9932 2800, Fax +61 2 9932 2801
sales@colbypowder.com

GEA Process Engineering B.V.

Postbus 2064, 7420 AB, Deventer, Netherlands
Tel. +31 570 663 366, Fax +31 570 663 377
info@gea-pen.nl

GEA Process Engineering Inc.

1600 O'Keefe Road, Hudson, Wisconsin 54016, USA
Tel. +1 715 386 9371, Fax +1 715 386 9376
info@niroinc.com