



Hygienic Bagging System for Open-Mouth Bags

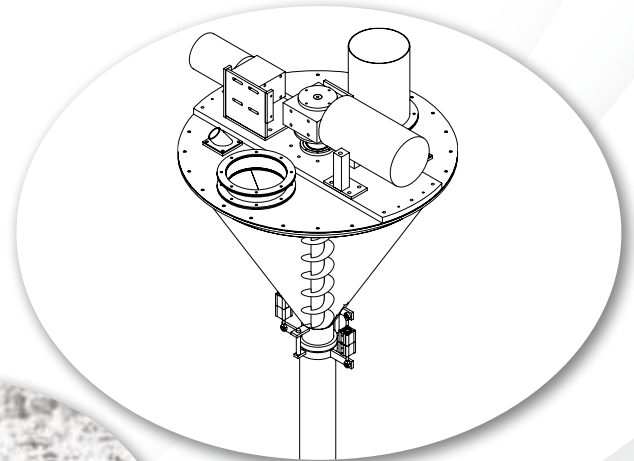
The CHRONO-BAG™ OMLH Series Hygienic Bagging System is a compact fully automatic packaging system designed for hygienic bagging all kinds of products into open-mouth bags, such as powders or granules. The system is especially developed for the food industries. The new system concept was developed in accordance to the EHEDG* (European Hygienic Engineering & Design Group) guidelines. CHRONOS BTH is an EHEDG member and has established an in-house hygiene task force to devise and implement machine design guidelines specific for the Food Industry.

The new dust proof, patented bottom up filling technology guarantees high accuracies during the filling process. The machine features closed bag-top transport; quick and simple cleaning; fast change-over times; and minimised dust emission. Furthermore the bagging system is available in full stainless-steel versions and is an ATEX compliant design. Optional inert gas packing is also available.

During bag transportation the bag-top remains closed and the control area is separated from the functional bagging zone.

Depending upon the system layout and the material being packed the system could be fitted with one or two filling positions reaching up to 900 bags per hour.

**The EHEDG is a professional association with the objective of promoting hygienic conditions during the processing and packaging of foodstuffs and recommending guidelines for hygienic machine design according to national and international legislation*





Hygienic Bagging System for Open-Mouth Bags

FEATURES AND BENEFITS

- Machine designed specifically for hygienic bagging and packaging operations for the Dairy, Bakery, Baby Food Industry and other Food related industries
- Also suitable for the Pharmaceutical and Chemical Industry
- High accuracy
- Minimized dust emission
- During bag transportation the bag-top remains closed
- There are no fasteners e.g. bolts or screws in the product flow zones
- All material contact parts are sanitary welded
- The machine exterior has a polished finish
- The control area is separated from the functional bagging zone
- Individual machine processing modules are combined to form a compact integrated unit
- Zone layouts within the machine route cables to integral control centers at the rear of each module
- Ample machine access so that the cleaning can be carried out quickly and effectively
- Fast bag changeover to handle different bag dimensions
- Universal system for all common types of open-mouth bags including gusseted and pinch-bottom bags with bag filling weights of 5 up to 50 kg
- Precise gross weighing technology
- Simple system operation with user-friendly touch panel and integrated graphical user interface, multi-language
- Remote service via Internet or modem connection
- 24/7 customer services

FUNCTIONALITY

The Hygienic Bagging System is using the field proven Chronos BTH bottom-up filling technology. After automatic bag placing on to the bird beak type filling spout, the bag is filled from the bottom up via a vertical dosing screw thus minimizing the emission of dust and reducing the aeration of the product. The vertical screw is frequency controlled so all powdery products can be closed accurately and quickly. During bag transportation the bag-top remains closed, eliminating the risk of product contamination once in the bag. The bag transport system offers free space underneath the bag conveyor belt to facilitate access to the filling machine for quick and easy clean-out.

Optionally we offer inert gas packing systems by using nitrogen to extend the shelf life of your product.

The new machine design has a modular structure incorporating different function zones. The moving components of the machine including drives, cables and control components are separated, wherever possible, from the functional area where the bag is filled and sealed. This limits the possibility of product contamination and reduces potential dust traps. Depending on the product to be packed and the customer specifications the different modules are combined to form a compact integrated unit.

Each processing module has an integral power supply and controller with minimal cables routed directly from the functional area to the rear of a module. Remote I/O technology has been used to get control signals to and from the main control cabinet so reducing the number of cables to an absolute minimum. The system incorporates in-house gross weighing technology.

Hygiene in mind

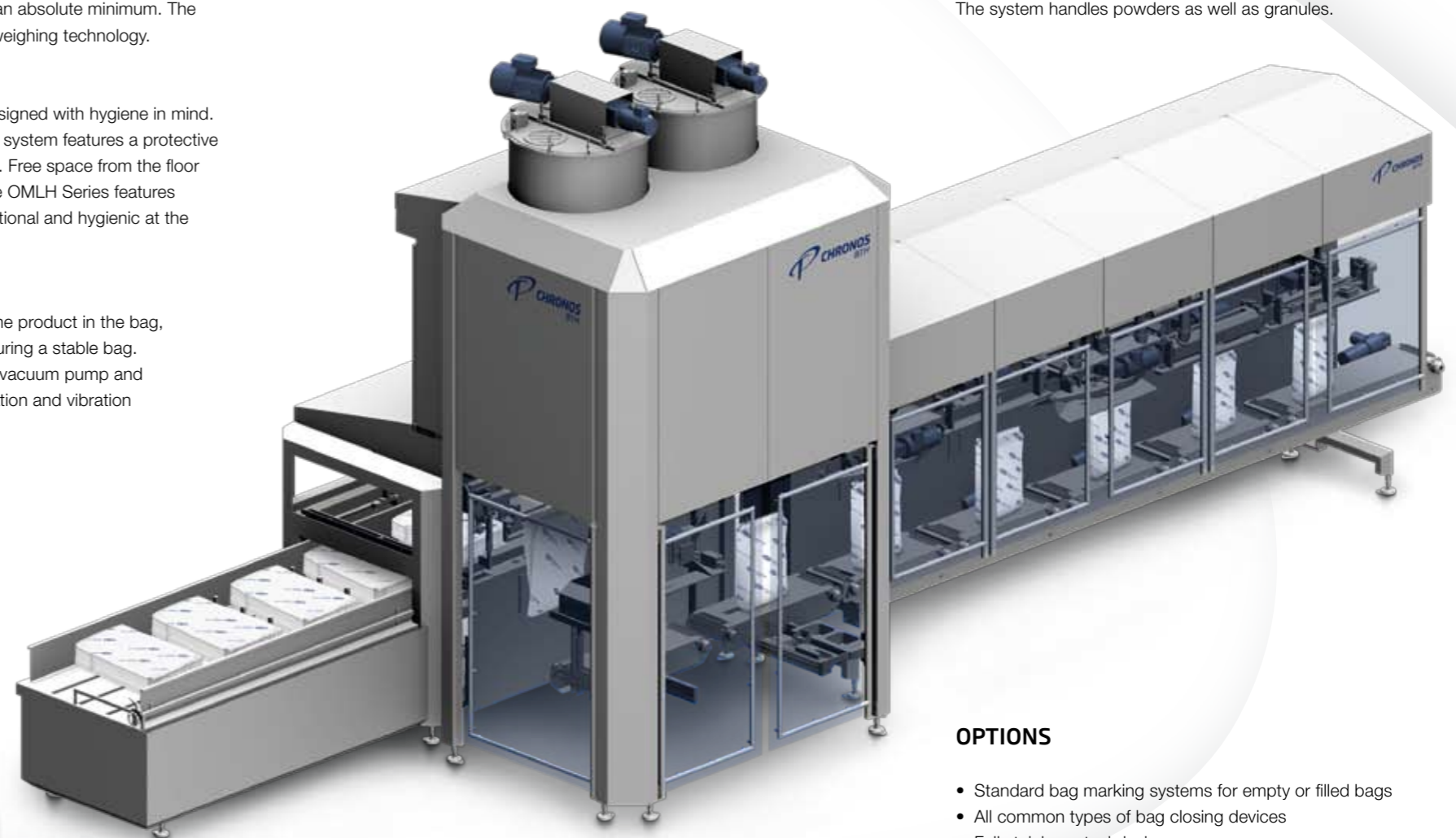
All processing modules have been designed with hygiene in mind. To prevent product contamination the system features a protective screen and closed bag transportation. Free space from the floor is a minimum of 200 mm. All in all the OMLH Series features a modern, efficient system being functional and hygienic at the same time.

De-aeration

De-aeration probes remove air from the product in the bag, thereby reducing the volume and ensuring a stable bag. The de-aeration system consists of a vacuum pump and micro perforated probes. The de-aeration and vibration time is adjustable in the menu.

APPLICATIONS

The new bagging system was specifically designed for hygienic bagging and packaging operations in the Dairy, Bakery, Baby Food Industry and other Food related industries. The system is also suitable for the Pharmaceutical and Chemical Industry. The system handles powders as well as granules.



OPTIONS

- Standard bag marking systems for empty or filled bags
- All common types of bag closing devices
- Full stainless steel design
- ATEX design
- Inert gas packing

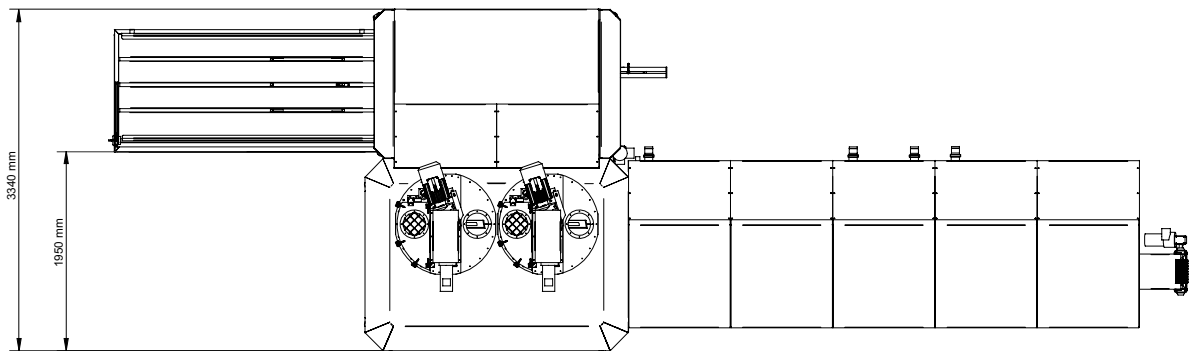
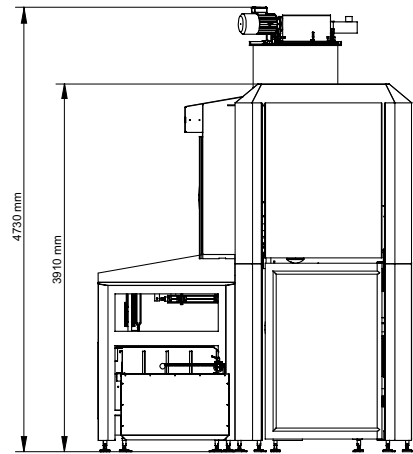


TECHNICAL DATA

OMLH-1090 BF

TYPICAL LAYOUT

Bag types	All common types of open-mouth bags including gusseted or pinch-bottom bags
Bag material	Paper, plastic or mixed materials
Bag dimensions	Width : 420 – 600 mm Length: 600 – 950 mm
Weighing technology	Gross weighing
Performance	Up to 900 bags per hour
Power consumption	38 kW
Electrical requirements	400 V / 3 Ph / 50 Hz
Air consumption	1500 NI/min
Air pressure	6 bar
Operating temperature	+5° C to +40° C
Noise level	80 dB (A)



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