

VFFS SERIES

**Vertical Form-Fill-Seal
bagging system**

Vertical Form-Fill-Seal bagging system

The latest generation of **CHRONO-BAG™ Vertical Form-Fill-Seal bagging systems** at Chronos BTH are fully automatic systems, which make their own bags from rolls of polyethylene pre-printed flat film. They are intended to package a wide range of loose fill materials in bags ranging from 5 to 110 L and 5 to 50 kg.

The system is suitable for both free flowing and difficult to handle bulk materials. A key feature of our VFFS product range is its compact, sturdy design that can be supplied

in 2 versions **VFFS-1100 SERIES** and high-speed version **VFFS-1180 SERIES**. They can be integrated upstream to either a weighing or a volumetric feeding system and downstream to conveying and palletising systems.

Thanks to our Form-Fill-Seal bagging technology, Chronos BTH allows you to greatly reduce your packaging material costs while offering you a great performance and unrivalled reliability.

Applications

The CHRONO-BAG™ **VFFS SERIES** is the ideal system for free flowing as well as difficult to handle bulk materials.
Horticulture: Bark, compost, mulch, peat moss, soils, etc.
Organic Products: Wood pellets, pet food, seeds, animal feed, cat litter, etc.
Chemicals: Fertiliser, plastic pellets, salt and corrosive materials, etc.



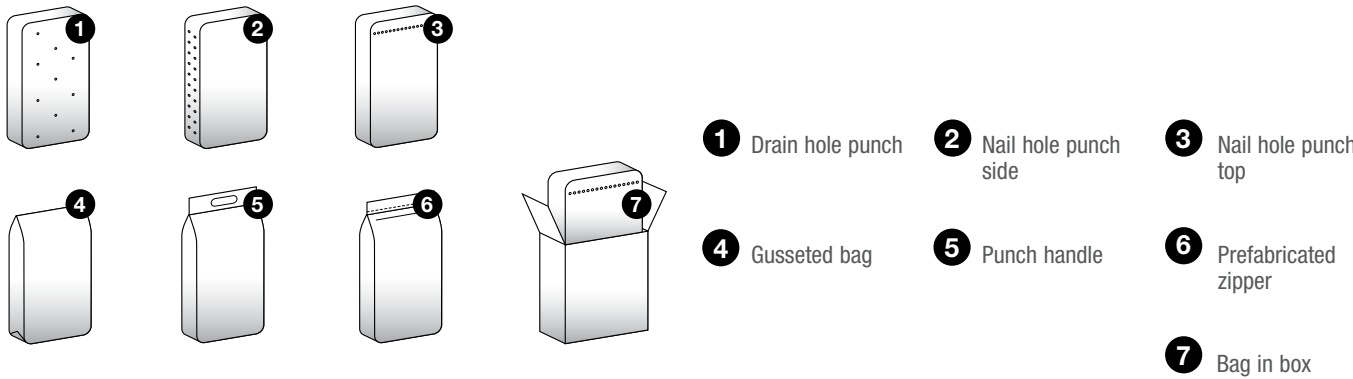
Features and benefits

- Easy to adjust and operate
- Proven Technology providing constant production rates up to 1800 Bags/hour
- Matched high accuracy weighers and feeders for maximum outputs
- Compact, sturdy design
- Innovative low movement design to minimise spare part and maintenance requirements
- Wide machine access allowing cleaning and maintenance to be carried out quickly and effectively
- User-friendly with a graphical touch panel interface and clear text-based operator guidance
- Designed for minimised film overlap to reduce film waste
- Solid and reliable field proven technology for highest availability
- Minimised installation costs as the system is supplied as a pre-wired/pre-tested configuration
- Ergonomic design providing good visibility and allowing easy adjustments and maintenance operations inside the guarding area
- All electrical components centralised in only one control panel

Options

Wide ranges of machine options are available to ensure the best solution for your application requirements:

- Gusset forming unit
- Bag top handle punch
- De-aeration hole punch unit
- Full stainless steel version
- Dust suction set up
- Platform systems for optimum plant utilization
- Bag marking devices
- Interchangeable forming sets and tubes, to handle any bag size
- Product press option for light and long fibrous products to ensure reliable bag sealing
- Other options available on request



Production rate

Up to **1800 bags per hour** *

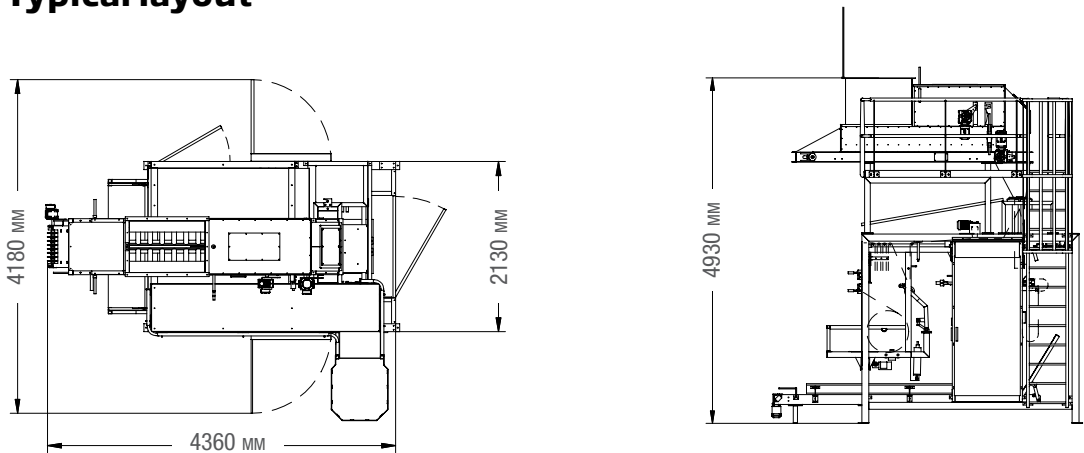
* Depending on product characteristics, method of feeding, bag size, film thickness, etc.

Technical data

Bag material:	Heat sealable polyethylene flat film (registered print with I-mark or random print)
Film thickness:	40 to 160 µm*
Bag sizes:	Face Width: 190 to 580 mm Lenght: 400-1200 mm Gusset: 40-90 mm
Film roll diameter:	up to 600 mm
Film width:	Up to 1400 mm
Operating pressure:	6 bar
Electrical requirements:	3 AC / 400V / 50Hz
Ambient temperature:	+5°C to +40°C
Noise level:	< 75 dB (A)

* Film thickness to be verified by Chronos BTH team

Typical layout



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