

GRAVITY Series

Gravity case packing (horizontal)



The Gravity Series are robust, yet simple, and uses the force of gravity to top-load your product into the case or secondary container. It is ideal for a wide range of flexible packages and the automatic case packing ensures high speed loading. The Gravity Case Packer, often used in the frozen food industry, is the result of decades of experience and innovation at BPA. In its design, our team emphasized simplicity, hygiene, speed and durability.

As Gravity solutions do not use robotics, they typically have less mechanical, electrical and/or pneumatic components. This results in a simple, efficient and elegant solution with easy operation and low maintenance requirements. Virtually any horizontal packing pattern can be created to accommodate your specific needs.

Markets

- Frozen food (potato products, vegetables & fruits, protein & seafood)
- Fresh produce (potato products, vegetables)
- Dairy (grated cheese)

Machine type

• Gravity 100R

High-speed top loading of flexible bags into cases with an automatic case packing system.

The Gravity 100R Case Packer contains everything to boost top loading output. Its rotary gates are chosen to deposit flexible bags into cases, and enable the machine to pack a wide variety of pack patterns at high speeds. Production speeds are increased as case and bag size adjustments are all automated, also eliminating operator errors.

Packaging specifications

Package



width: 100 - 400 mm height: 10 - 150 mm
length: 100 - 550 mm weight: 200 - 10.000 g

Capacity: up to 140 PPM (Products Per Minute)*
Other sizes upon request

Container



width: 200 - 400 mm height: 100 - 400 mm
length: 250 - 500 mm He: 100-550 mm (including topflaps)

Capacity: up to 20 CPM (Cases Per Minute)*
Other sizes upon request

Pattern horizontal



Main characteristics

- Modular and open design to create maximum flexibility for customized solutions
- Open and hygienic design (stainless steel construction)
- Operator friendly interface & fully automatized changeover
- Maintenance friendly design, easy access
- Energy efficient (reduced use of pneumatic components)
- Revolutionary patented compacting technology for optimized case-filling
- Competitive Total Cost of Ownership (TCO)

Options

- Case or tray forming systems
- Plastic container de-stacking and stacking systems
- Missing bag and open case detection with reject
- Re-infeed for rejected cases
- Integrated bag inspection and reject systems (open bags, X-ray, metal detection, check weighing)
- Bag merging systems (infeed from multiple bag makers)
- Water cleanable IP56
- Layout specific up- and downstream product and case handling systems

*Indicated capacity performances depend on the application and are subject to final specification and line configuration.

Contact us today

As every production environment is unique, every organization requires a tailored solution. Challenge us and put our experts to the test, to devise the solution that fits your process like a glove. Contact us today!

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40+ years experience



international
presence



flexibility and
innovation



market
specialist



frozen food and snacks
market leader