

FI 1 Solution for bottom loading, modular, compact and flexible case packer. Designed for medium per minute case production, all in a single monoblock.



The **FI-1** is bottom loading, modular, compact and flexible case packer, designed for medium per minute case production, all in a single monoblock.

The **FI-1** equipment is designed specifically for packing products that need to be placed in the carton, maintaining the same position from packaging to the point of sale. Aerosols, bottles, pizza cases, biscuit cans, are some of the applications of the bottom loading equipment, which are characterised by special stacking modules for each product, and achieve high production yields.

Design and robust construction. They are designed for efficient and safe operation, simple and quick handling.

Characteristics

- > Unit for forming, filling and closing of case.
- > Occupies small amount of space.
- > Rapidly changes the mechanical format and stores them in a PLC.
- > No introduction device in the absence of case.
- > Electrical and mechanical protections as per regulations.
- > Designed for medium per minute case production.
- > Valid for RSC case.
- > Reaches an output of up to 9 cases/minute.

PRODEC
FLEX · TECH

FI1

Solution for bottom loading, modular, compact and flexible case packer. Designed for medium per minute case production, all in a single monoblock.

Easy format change, as well as reliability in the opening and management of the cases are the benefits that increase the efficiency of this equipment

An accessible and user-friendly design, plan for the grouping of containers, forming, filling and closing of cases in a single compact unit.

Ergonomic case store and large capacity.

The machine incorporates a forced opening of the cases to ensure the correct position at the filling station and transfer to the sealing station.

Information Management

A powerful software developed by our technical team allows you total control over the device functions. You can also perform simple formatting changes through the incorporated touch screen. Through this, it is possible to verify production efficiency for shifts or slots, making it an effective analytical instrument. It is ready to integrate various lines of work according to the standard OMAC.

Case magazine

Inclined storage of cartons. Store length 630 mm. When the store is empty (or there are an insufficient number of cases for smooth operation), the machine is stopped and a visual signal warns the operator of the lack of cases. Optionally you can install an additional detection of the minimum number of cases that must always be present at the store so that the operator can reload before a machine stop.

Shape of case

Extraction of folded cartons using suction cups installed on a horizontal semicircular pneumatic arm. Forced opening of the case by a suction cup system and a mechanism for side squaring with presence and formation detection of the case.

Insertion of the case

Shifting of the group from the lowering platform to the bottom of the case through pneumatically operated pusher. Combined introducer group using pneumatic lift, which with the help of a guide of the case flaps installed thereto, ensure transfer process of set of product packs into the case.

Production

The formation unit and closing cases can reach an output of up to 9 cases per minute and the whole capacity will depend on the product and the group.

Man/machine interface

All security or system failure elements, such as accumulation of product on the store conveyor, poorly sealed doors or protections, presence of case, malformed case, lack of air pressure, etc are displayed on a touchscreen built into the control panel for quick location.

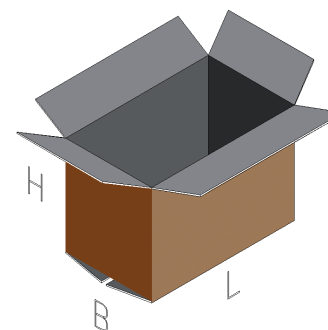
PRODEC has brought together in one unit, forming, filling and sealing functions (optional) of cases, with outstanding design features and functionality that are detailed below:

Compact design

All the functions described are developed in a unique monoblock, occupying a small and simple handling

Technical information

Speed	Up to 9 cases/min	
Max. Min. case size	Max.	Min.
L	500	200
B	300	150
H	350	150



space for the operator. Robust and transparent from any constructive conception angle, it allows one to observe all mechanisms and operational functionality from the outside.

Accessible

The clean, open design without mechanical barriers, greatly simplifies all interventions required on the equipment, whether by a change in format or a simple cleaning and maintenance regulation or routine.

Flexible

Its advanced concept allows an expansion of its functions to suit the required project needs.

Ergonomics

We have used specific design methods for its development to optimize the comfort and convenience of staff working on the machine.