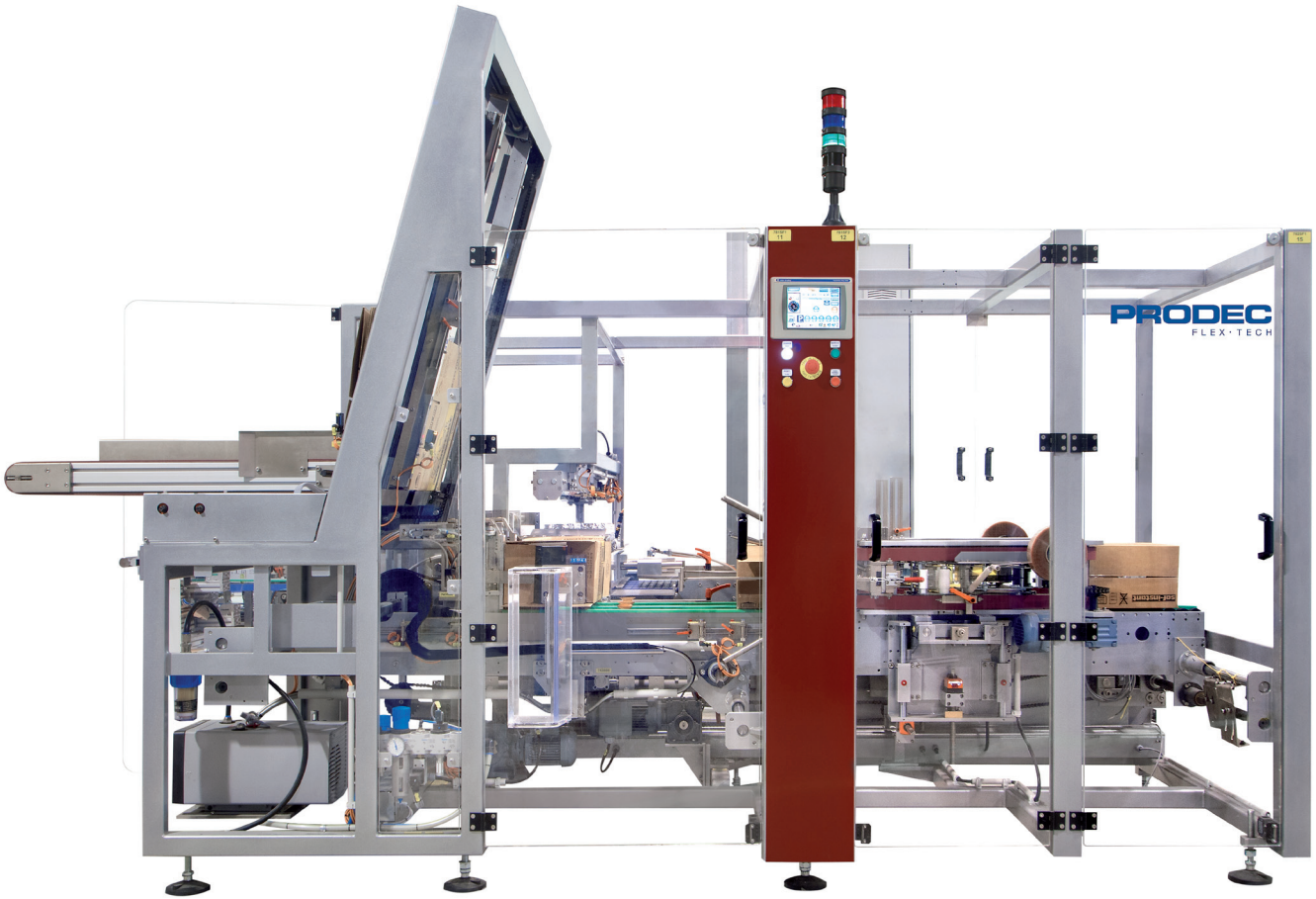
FL5

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



The **FL-5** is a side loading, modular, compact and flexible case packer, designed for medium per minute case production, all in a single monoblock.

With this generation of packers, the market needs in automating the end of line products whose regular forms are readily manageable at high production volumes are catered to.

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

Characteristics

> Two loading stations: forming/filling and closing of cases.
> 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.
> Production designed for average per minute case production.
> Valid for RSC case.
> Reaches an output of up to 8 cases/minute.

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Case magazine
Horizontal case store with motor. store length 1000 mm. As the cases are removed from the system, a case presence detector causes the progress of the tape ensuring that the product is always ready for removal. 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
Removing the unit by folding cartons using suckers installed on a semicircular arm with mechanical movement. 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
Combined introducer group using pneumatic pusher, which with the help of a guide of the case flaps installed thereto, ensure transfer process of set of product packs into the case.

Sealing of case
Shifting the case to the sealing area through mechanically operated carrier.

Production
The formation unit and closing of the cases can reach an output of up to 8 cases per minute and as a whole will depend on the product and the group to be prepared.

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:

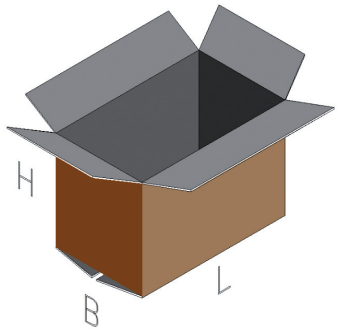
Compact design
All the functions described are developed in a unique monoblock, occupying a small and simple handling space for the operator. Robust and transparent from any constructive conception angle, it allows one to observe all mechanisms and operational functionality from the outside.

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.

Technical information

Max. Min.	Max	Min.
L	600	300
B	400	200
H	600	200
Speed	8 cases/min	



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

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.

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