

CASE PACKER | ModuLine



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Technical Performance Characteristics

- Through its modular design, the A+F ModuLine perfectly adapts to the customers' individual requirements, providing the flexibility to pack all types of primary product into a wide variety of final packs.
- The ModuLine is specially designed for the foods industry. It is almost entirely made from corrosion-proof materials.
- Compact, versatile configuration with small footprint. The individual modules of the machine are intelligently coordinated to form a completely harmonized system
- Short delivery lead time and simple installation
- Quick and reliable format changeover by use of customized format kits and spindle adjustments
- Low operational cost reached by high-quality design and low servicing requirements
- Every A+F machine undergoes a documented test run, in-house, prior to dispatch, using original test materials.

Technical Data

- **product infeed:** max. 300 cases/min.
- **products:** cases
- **product size and shape:** all standard rectangular cases
- **performance:** max. 30 cases/min
- **case types:** open cases, wrap-around cases, cases with lids, shoulder trays
- **case inside dimensions (LxWxH):**
min. 90x160x50 mm / max. 610x410x280 mm
- **machine dimensions (LxWxH):**
approx. 4,190 x 4,320 x 2,910 mm
- **PLC:** Schneider Electric or Rockwell Allen Bradley as an option

Functional Description

Product Feeding and Grouping

The lying cases move in from a single or two lane belt conveyor. On request, a check weigher and/or metal detector can be integrated in front of the machine.

The boxes are grouped, a vacuum gripper system moves them into place and they are stacked in laying position.

The stair-like stacking guarantees a gentle product treatment. The stacks will be pushed into a rotary star and centered. The rotary star turns the stacks by 90 degrees. This means the boxes are moved into the upright position in the last process step.

The cases are pushed into the carton using a 2-axis handling module.

Case Line

The individual tray blank is taken off the magazine by vacuum suckers, folded up, and fed into the servo-driven carrier conveyor. A servo-driven chain conveyor cycles the cases through the individual folding, pushing-in, and closing stations. In running direction and crosswise to running direction, the case format setting is by means of hand-operated spindles. The time needed for a format change is ca. 10 minutes.

The machine frame structure is made from stainless steel rectangular section tubes in a strong weldment.

The operation of the machine is by means of a touch panel with a graphic display.

Quality

A+F guarantees for reliable operation and built-to-last design of all machine components. All bought-in components are sourced from recognized industrial suppliers and meet the highest standards of reliability.

Every machine passes a detailed and thorough in-house test run prior to dispatch.



A+F Automation + Fördertechnik GmbH
Industriestraße 11-13 | 32278 Kirchlengern
Tel. +49 5223 8791 0 | Fax +49 5223 8791 11
info@af-gmbh.de

www.af-gmbh.de

