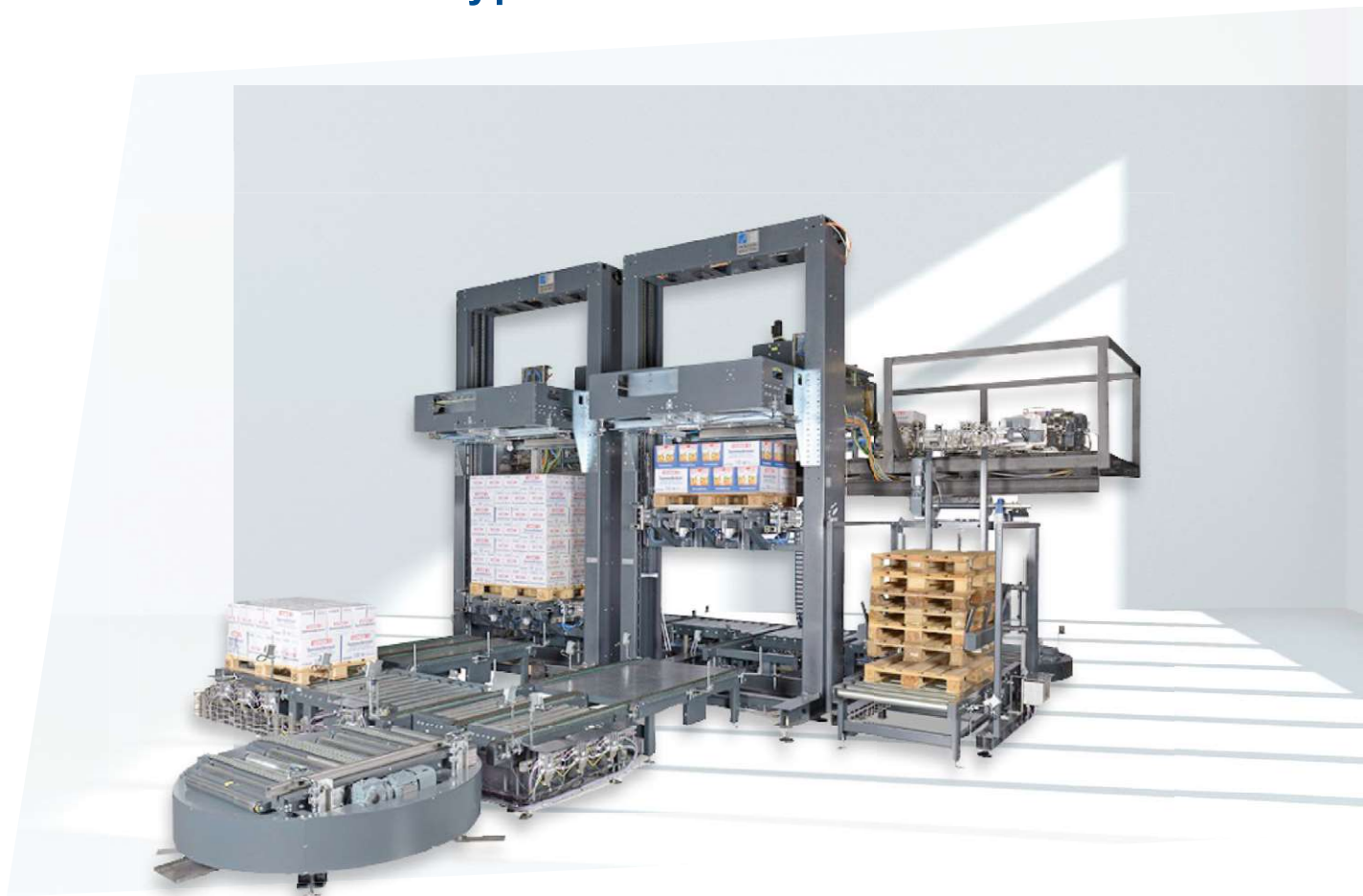


MODULAR PLATE PALLETIZER
Type 355 Q LH



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Technical Performance Characteristics

- Through its modular construction the palletizer easily adapts to the customer-specific products and layer patterns. The solid machine framework is powder-coated. All elements contacting the product are made of stainless steel.
- Palletizer and pallet carriers are equipped with all necessary protection equipment. This in particular is a fully automatic fall security of the elevating platform, a fencing of the palletizer with protective lattice and doors for access to the palletizer and the layer preparation. The interface to the pallet conveyors is secured by a light curtain.
- Prior to delivery, every A+F palletizer is test run using original test materials. A documented FAT is also carried out.
- Standard pneumatic components are FESTO
- The machine is controlled by a SIEMENS PLC. Operation via large touch panel.

Technical Data

- **Performance:**
up to 120 cases/min., resp. 360 layers/h
- **Products:** holeplate trays, cases, low-wall cases, shrinktrays, plastic crates, etc.
- **Pallets:** Euro, Industrial, Chep, Düdo pallets
- **Electrical connection:** 230/400 V; 50 Hz; 10 kVA
- **Compressed air connection:** R 1", 6 bar; 15 Nm³/h
- **Supply pipe:** R 3/4"
- **Machine dimensions:**
approx. 4,600 x 3,000 x 4,700 mm (LxWxH)
(machine height at a product infeed level of 2,800 mm)

Functional Description

The trays/cases are fed and spaced on a belt conveyor and after a 90° transfer (either unturned or turned by 90° by means of Pop-Up roller) they are going onto a roller conveyor.

Plates which are located among the rollers help to space the trays/cases in the requested pattern. Depending on the specification, for product spacing a cycled sliding chain conveyor can be used as well.

From the roller conveyor rows of trays/cases are pushed forward onto a layer grouping plate.

For a higher palletizer performance either case layers or complete pallet layers can be buffered.

When the pallet layer is complete, it is forwarded onto a loading plate. Then the tray/case layer is moved above the palletizing place. The drive is by means of a servo-motor.

The vertical move of the elevating platform also is also done by a servo-motor.

The case layer is centered from the sides and front.

The empty pallets are fed by a conveyor. When placing the trays/cases onto the waiting pallet the plate is being retracted and the layer remains on the pallet in the correct position. The elevating platform returns into position for performing the next load cycle.

The pallet load pattern is selected from the machine program. When the layer count is complete, the full pallet is fed out by an integrated outfeed conveyor.

On option a centering device can be fitted below the loading plate for alignment of either cardboard cases with stacking corners or plastic crates.

As an option an automatic interlayer sheet inserter can assist to secure the pallet load.

A+F also offers the empty pallet supply and the full pallet conveying.

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