



Requirements and Solutions

The Innopal PB-N is a highly flexible, two-column palletizer equipped with an elevated pack infeed that has been designed to process disposable packaging such as cartons, trays, shrink-packs, individual packets, bags, as well as returnable packs such high and low-wall plastic crates. The Innopal PB-N is suitable for all palletizing tasks in the beverage industry and the food and non-food sectors. The high flexibility of this machine is reflected not only in the variable pack infeed heights but also in the various designs of the layer preparation system. The user can choose between single or multiple-lane models or robot grouping. The palletizing robot can be optionally equipped for pallet liner processing with a robot-version pallet liner inserter and a layer sheet magazine.

Key Features

- Two-column palletizing robot with variable pack infeed heights
- One-piece stainless steel shuttle plate
- Single or multiple-lane pack infeed, variable fully automatic layer formation setup
- The machine is able to process cartons, trays, shrink-wrapped packs, individual packets, bags, and high and low-wall plastic crates
- All-sided centering of each layer prior to discharge onto the pallet
- Palletizing with and without pallet liners possible
- Fully automatic layer changeover optionally available
- Modular in design and thus ideal for optimum adaptation to customer requirements coupled with a small assortment of parts
- Ultra modern drive technology comprised of servo motors, cog belts, and continuous-path control

Standard Equipment

- Robust, painted steel base frame
- Toothed-belt-driven sequences of motion power by a servo motor
- Standardized operating of all machines
- Operator panel with large size graphical user interface
- Stainless steel loading plate
- Machine safeguards comply with CE conformity





Advantages

- The consistent modular design ensures flexibility of changing palletizing tasks and a reduction in the assortment of parts needed, thus cutting the cost of spare part stockkeeping
- Fully developed machine functions and high quality standards ensure many years of up to 98% machine availability
- Product conversion and changeover are easily carried out during ongoing production operation.
- The optionally available fully automatic layer changeover facility provides push-of-a-button layer changeover thereby guaranteeing high machine availability



Service

- Worldwide service
- Customized machine design
- Complete systems
- Commissioning
- Training courses

Options

- Automatic pallet liner supply
- Automatic format changing
- Stopperless grouping station
- Allen Bradley control system
- ReDiS remote maintenance interface

Technical Data

Machine capacity

360 layers/hr (bottom pack infeed)

385 layers/hr (top pack infeed)

Block height including pallet

max. 2,000 mm

Pallet dimensions

750 mm to 1,300 mm (across direction of palletizing)

750 mm to 1,200 mm (in direction of palletizing)

Pack dimensions

Length: 200 mm to 600 mm

Width: 200 mm to 500 mm

Height: 100 mm to 400 mm

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