

Application

Weighing, bagging and palletizing machine for free flowing granular products.

- Combination of bagging and palletizing in one compact machine
- Investment-friendly: saves production space, saves planning and installation costs
- User-friendly: easy-to-use operator menus, comprehensive documentation, single point service
- Engineering-friendly: package unit, no interfaces, simplified planning
- Maintenance-friendly: step-in compartments, good accessibility for easy maintenance

Design

- Film thickness: from 80 to 300 micron
- Integrated functions: broken bag detector, bag flattener, reject station
- Operation and maintenance: easy and intuitive touchscreen navigation, e.g. single-touch recipe change after bag/grade changes
- Setup and training: guided navigation, pallet configuration without manufacturer support
- Communication: interface to control systems, readout to data acquisition systems

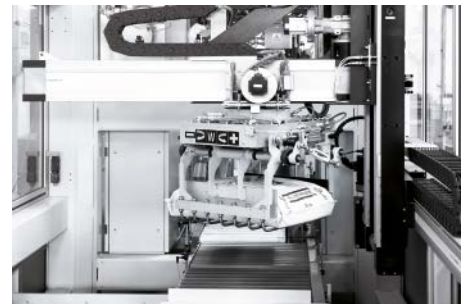
Features

- Flexibility
- All required functions in a single package
- Operates with standard or barrier film
- Easy to clean
- Compact footprint and height
- Only a few taps on the operator panel needed to change set up
- Very simple to operate and maintain
- Full diagnostics
- Statistical reporting
- Connectivity to external data acquisition systems

Technical Data

Standard Mechanical Specifications

- Product type: crystals, pellets, flakes with little dust content (e.g. plastic granules, fertilizers, salt, sugar, sand)
- Weight range of bags: 15 to 50 kg
- Production rate: 250 bags per hour with IBP250 and 500 bags per hour with IBP500
- Bag size range: width: 300 - 450 mm; length: 450 - 850 mm
- Max pallet height: 1800 mm standard (2200 mm optional)
- Power requirement: 400 VAC 50 Hz 3 phase; 14kW for IBP250; 16kW for IBP500
- Compressed air: 5 to 7 bar (g)
600 nl/min for IBP250, 1200 nl/min for IBP500
- Dust aspiration: 12 m³/min
- Pallet size: 1200 x 800 mm, 1200 x 1000 mm, 1100 x 1100 mm, 1300 x 1100 mm
- Empty pallet magazine: up to 10 pallets or 250 kg load
- Parts in contact with product: stainless steel DIN 1.4308 [AISI 304]
- PLC control: Siemens S7 300
- Power drivers: Omron
- Electrical components: Siemens
- Sensors: Siemens
- Electrical protection: IP55



Grippers specially designed for solid pallet patterns



Adjustable spacing between bags

Options

- Automatic cleaning of parts in contact with products in 60 sec
- Innovative labyrinth seal for bag de-aeration
- Barrier film processing kit (bag vacuum probe)
- Performance monitoring (maintenance, overhaul and repair)
- Check weigher
- Metal detector
- Bag marking systems