



Highly efficient packaging machines for flexible production

The KHS Innopack Kisters Basic series has been especially developed to meet the growing demand for compact, fully automatic, and economical packing machines. As a result, the machines of the Basic series offer fully developed packaging technology with the highest standard of field-proven economy. By implementing the latest in servo drive technology and KHS' specially developed spindle adjustment the Basic series provides maximum flexibility when it comes to the variety of processible formats and easy format changeover. The optionally available electric or gas heated shrink tunnel offers users options for implementing the most cost-effective form of energy. The gas-heated Eco shrink tunnel cuts energy costs by up to 50% and CO2 emissions by up to 60%. The porous combustion technology used by KHS requires no air supply or exhaust system whatsoever.

Products on trays, film-wrapped trays, film-wrapped pads, or film-wrapped only: The Innopack Kisters tray shrink packer from KHS offers you all options. Whether pre-packed clusters, bulk products, various diameters and heights, and/or changing packing formations – all are doable. The fully automatic KHS Kisters TSP Basic packers are easy to operate, reliable, and flexible in use. Speeds of up to 60 cycles per minute open up efficient options in the beverage trade as well as food and non-food industries. High shrink pack stability is guaranteed by folding the blanks tightly around the product cluster. Using printed film offers users the opportunity to present their products successfully and increase sales.





Customer benefits

- Simple and fast format changing guarantees optimum flexibility for changing packaging requirements
- Excellent packing quality thanks to product-optimized shrink technology
- Fully developed, tried and tested machine functions and high quality standards ensure a machine availability of up to 98% over a period of many years
- Optionally using a gas-heated shrink tunnel results in low operating costs
- Large-sized sliding doors offer excellent access to all areas for operating and maintenance
- Touch-sensitive control panel with clearly arranged information in almost all national languages. Intuitive operator prompting using color graphical symbols in the machine diagram
- Pressureless, gentle product feed of bulk or pre-packed products
- Reliable operation coupled with high interference immunity/EMC by using the latest servo technology
- Very high positioning accuracy when using printed film (up to ± 3 mm)
- Automatic central lubrication systems
- Use of control equipment implemented worldwide (Siemens or Allen Bradley) ensures optimum availability of spare parts and service in addition to easy integration into customer-provided systems
- Fully automatic belt control for long conveyor belt service life (no compelled guidance)
- Low wear part requirements ($< 2.5\%$ of the machine price per year) ensure low operating costs
- Extremely exact gluing system positioning operation (minimum glue consumption)
- Exact unfolding of blanks around product groups with 45° and 90° corners
- Variable machine speeds for efficient adaptation to the line capacity



Technical Data

Machine capacity: up to 60 cycles/min
Number of lanes: 1 (multiple lanes for film only)
Container sizes: Ø min. 55 mm, max. 120 mm
Height: min. 110 mm, max. 350 mm
Pack sizes in direction of travel, length: min. 120 mm, max. 270 mm
Pack sizes across direction of travel, width: min. 200 mm, max. 540 mm
Blank dimensions (including tray wall):
Length: min. 190 mm, max. 450 mm
Width: min. 270 mm, max. 640 mm
Blank capacity: up to 600 items (B-flute)
Film sizes, width: max. 880 mm (including spreader)
Length: min. 500 mm, max. 1,170 mm
Thickness: min. 40 μ m, max. 80 μ m
Film reel sizes: Ø max. 500 mm
Weight: max. 130 kg
Machine dimensions (L x W x H):
15,960 mm to 18,960 mm (type-dependent) x 2,069 mm x 2,437 mm
Weight: 7,900 kg to 10,200 kg

Options

- Asymmetric blank processing
- Processing of supporting U-boards with raised edges
- Blank magazine up to 1200 blanks
- Gas-heated Eco shrink tunnel to reduce energy costs by up to 50% and CO₂ emission by up to 60%
- Standby mode to reduce energy consumption while production interruption
- Leaflet inserter
- Film perforating systems
- Tray coding
- TPFO module: tray, pad, and film only
- Multiple lane operation for film-only packs
- ReDiS remote maintenance interface

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