



Horizontal flow wrapping machine

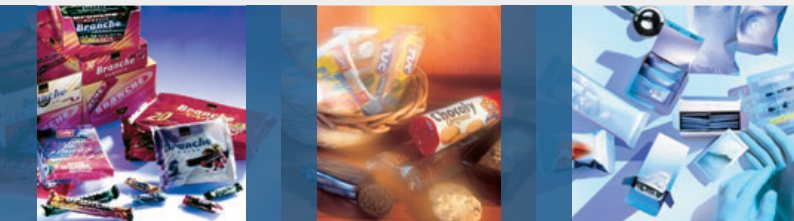
For different performance ranges

Sigpack Systems

Application Information


BOSCH

Invented for life



Products

Chocolate bars, fruit bars, confectionery, biscuits, frozen or chilled food products and many other food items and non-food articles such as cleaning tabs, medical devices, pharmaceutical and healthcare items – non-packed or prepacked, individually wrapped or arranged in groups.

Package styles

Taut or slack pillow pack with or without gusset fold.
End fins: grooved longitudinally or transversely, with straight or zig-zag cut.
Longitudinal seam: grooved longitudinally or transversely.
On request with print code, carton insert, label or coupon, tear strip, tear notches and other easy opening features.

Packaging material

Plain, printed or registered-printed, heat sealable or cold sealable monolayer or laminated film structures.

Construction

Robust servo-machine, suitable for multi-shift operation. Its high modularity guarantees optimal system integration. Strict division of product/packaging material handling and drive elements. The machine is permanently lubricated and available in left-hand or right-hand version.

Ergonomics and design

The pillow pack machines are designed for easy access to all machine parts. The ergonomic operating height guarantees comfortable operation, fast conversion to new sizes and easy changing of packaging material reels. Transparent safety guards provide noise protection and fulfill highest hygiene and safety standards. Crumb trays catch any falling product debris.

Operation

The touch screen of the HMI panel on the **HBM** is integrated at the front of the machine and in the **HSM** it is horizontally adjustable on a swivel arm. Parameter entry, errors, production statistics and measures to rectify occurring errors are all displayed on the HMI. For normal operation there are separate control buttons for the most important functions.

Maximum

- Availability, Performance
- Information, Reliability
- Product Safety

Easy

- Operation, Format Change
- Cleaning, Maintenance

Flexible

- Operating Modes
- System Integration
- Compact Layout

System Structure



Product Structure

HxM Machine Platform

HBM Vertical Steel Plate Construction

HSM Housing Construction

Sigpack Systems AG

A Bosch Packaging
Technology Company
CH-8222 Beringen
Switzerland
info@sigpacksystems.com
www.sigpacksystems.com

Standard Features

- Rotary cross sealing unit
- 1 to 4 crimper construction
- 4 finwheel unit (cold, two heated, foldover)
- Double film unwinder with auxiliary unwinder
- 4 servo motors (infeed, unwinder, finwheel unit, cross sealing unit)
- Automatic film splicing with film end detection
- Easy format and parameter adjustment
- Heat seal equipment
- Transparent PET guardings
- SPS-Control Control Logix
- Touchscreen 10,4"
- Infeed conveyor family with a wide range of product specific functionalities
- Stainless steel product contact parts

Options

- Mechanical or air gusset folder
- Additional static heating at finwheel unit
- Air suction
- Water cooled finwheel cover plates
- Easy opening features (notches, tear strips, laser perforation, etc.)
- Euro- or round hole at cross seal
- No Gap No Seal (NGNS)
- No Product No Paper (NPNP)
- Barcode printing with verification or/and 2D Matrix Code
- Automatic film tracking
- Supplier splice detection
- Reject concepts for faulty products and packages
- Product counter
- Empty packet extraction

... and many others

Specifications HxM

Compact metering module



Output

HBM/HWM	Up to 600 packages per minute	Up to 60 m/min (200 ft/min) film speed
HSM	Up to 1200 packages per minute	Up to 120 m/min (400 ft/min) film speed

Product and film characteristics may affect machine output

Size Range

Package cutoff length	50–500 mm (2–20 in)
Product width	Max. 185 mm (7,3 in) or 335 mm (13,2 in)
Product height	Max. 80 mm (3,15 in) or 130 mm (5,12 in)

Packaging Material Reel

Width	400 mm (15,75 in)
Core diameter	70 mm (2,76 in) or 76 mm (3 in)
Packaging material width	Max. 400 mm (15,75 in) or 700 mm (27,66 in)
Weight	Max. 60 kg, Hoisting device on request

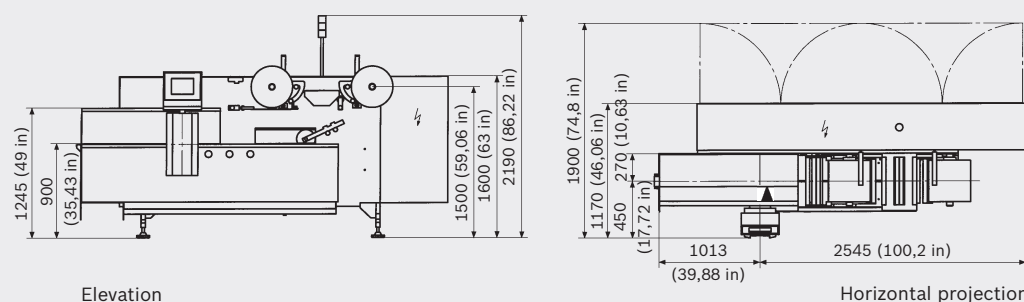
Connections

Voltage	3-phase, 380–480 V, 50/60 Hz
Power usage	14 kVA / Earth, no zero conductor
Air	6 bar; 0,03–1 m³/h for faulty package reject and/or air-operated gusset folder

Weight of Machine

HBM/HWM	Approx. 1,8 tons
HSM	Approx. 2,3 tons

Dimensions in mm (inches), HBM



Subject to alterations SPS 107640