



Horizontal Slug Machine and Cross Chain

System Competence for medium-speed applications



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Application Information

Products

Biscuits, baked goods and various other products packed standing on edge.

Packet

Taut or slack pillow pack with gusset fold.

End fins: longitudinally or cross crimped, with straight or zig-zag cut-off. With print code, label or coupon, tear strip on request. Small size portions of 45 mm length possible.

Packaging material

Printed, register-printed or plain, heat sealable or cold sealable monolayer or laminated film structures.

Construction

Robust steel frame servo-machine for multi-shift operation with high modularity; strict division between product/packaging material handling and drive elements; permanent lubrication. Left- and right hand version available.

Ergonomics and design

The pillow pack machine and the cross chain are designed for easy access to all machine parts. The ergonomic

operating height guarantees comfortable operation, fast conversion to new sizes and shapes and easy exchange of packaging material reels. Guardings provide safety and noise protection and crumb trays catch any falling product debris.

Operation

The touch screen of the HMI panel is integrated on the front of the machine. As an option also an adjustable panel, mounted on a swivel arm, is available. Parameter entry, errors, production statistics and measures to rectify occurring errors are all displayed on the HMI.

Your Benefits

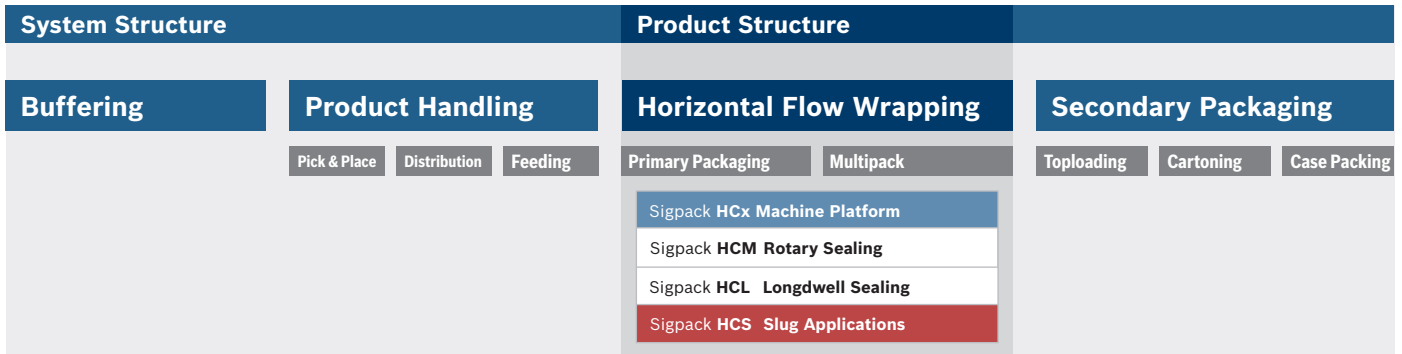
- ▶ **Maximum**
 - Availability, Compactness, Information, Reliability
- ▶ **Easy**
 - Operation, Size Change
 - Cleaning and Maintenance
- ▶ **Flexible**
 - Operating Modes plus System Integration & Modularity



Fix side chain (left)

Flexible side chain (multi format)
(center)

Side chain through cross sealing
crimpers (for short slugs) (right)



Standard Features

- ▶ Rotary cross sealing unit with 3 standard centre distances
- ▶ 1 or 2 up crimper assembly
- ▶ 3 pairs of finwheels (1x cold, two heated, finfolder static)
- ▶ Film advance rollers, hygiene execution
- ▶ Double film unwinder with power driven feed roll
- ▶ Automatic film splicing with film end detection
- ▶ 3 servo motors (infeed, finwheels, cross sealing unit)
- ▶ Electric eye for registered film
- ▶ Manual film tracking control
- ▶ Heat seal equipment
- ▶ Transparent PET guarding concept
- ▶ ControlLogix with SERCOS interface for Kinetix 6000 (digital drive control)
- ▶ Color-Touchscreen MC2 5,7"
- ▶ Infeed conveyor family with a wide range of product specific functionalities
- ▶ Parts in contact with product in stainless steel

Options

- ▶ Mechanical or pneumatical gusseting device
- ▶ Additional static heating at finwheel unit
- ▶ Air evacuation
- ▶ Empty flight compensation
- ▶ Acceleration pusher
- ▶ Cross chain for high speed Duplex feeding
- ▶ Cross slug version
- ▶ Slug length calibrator and reject
- ▶ Flexible side chain
- ▶ Side chain through cross sealing
- ▶ Different opening devices (notch, tear tape, etc.)
- ▶ Overhead chain
- ▶ Automatic film tracking control

... and many others

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Specifications Sigpack HCS with Sigpack FCC

Output	Standard	Optional
	up to 180 packages per minute	200 ppm (subject to technical evaluation) resp. up to 220 ppm with wheel infeed
	up to 60 m/min (200 ft/min) film speed	
	<i>Product and film characteristics may affect machine output</i>	
Size Range	Standard	Optional
Package cutoff length	50–500 mm (2–20 in)	> 500 mm (20 in) with technical evaluation
Product length	45–270 mm (1,77–10,63 in)	up to 450 mm (17,72 in)
Product width	max. 185 mm (7,3 in)	max. 335 mm (13,2 in)
Product height	max. 80 mm (3,15 in)	max. 130 mm (5,12 in)
Web Dimensions	Standard	Optional
Width	max. 400 mm (15,75 in)	max. 700 mm (27,56 in)
Reel diameter	max. 400 mm (15,75 in)	
Core diameter	70 mm (2,76 in)	76 mm (3 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	approx. 3,0 tons including Sigpack FCC (depending on configuration)	

Dimensions in mm

