

Accurate, flexible, and pressureless high speed laning

Utilizing continuous, servo-controlled motion, the Hartness GlobalLaner is able to precisely and gently lane a variety of container shapes and sizes including unstable and lightweighted products. Even at conveyor speeds of up to 200 ft/min (60.96 meters/min), the GlobalLaner quietly and efficiently moves containers to their respective lanes. The system is flexible enough to handle a broad product range which includes bottles, bundles, cases and a variety of other package with a changeover time of less than 10 minutes. The GlobalLaner may be provided as a single component of a packaging line, or it may be easily integrated with Hartness case packing solutions

by Hartness Systems Group for a complete, vertically integrated solution.

Once inside the laning system, containers run through a telescopic guide that shifts back and forth, as well as side to side, at the same speed as product flow. During the shifting process, the container is not clamped and product flow is not slowed. Some of the benefits of continuous motion product flow are the elimination of container to container contact, reduced noise levels and a reduction in product damage.

Benefits

- / Handles lightweight containers
- / Continuous motion flow ensures no product or label damage
- / Quick, simple change over of 10 minutes or less
- / Flexible product range includes bottles, bundles, cases and a variety of other packages
- / High speed operation up to 200 feet/minute (60.96 meters/min)
- / Servo motion control ensures accurate and reliable placement of product
- / Reduced noise due to elimination of container to container contact
- / Small footprint



Bottles flow continuously through a telescoping guide

ELECTRICAL	DESCRIPTION	MECHANICAL	DESCRIPTION
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supply voltage	460vac 60hz	speeds	up to 200ft/min [61m/min]
control voltage	24vdc	weight	2000 lbs [907kg]
plc	controlLogix	linear slides	bosch 17 K.R 20-80
servo drive	kinetix 6000 sercos	servo gear reducers	alpha LP070
servo motors	mpl multitrn absolute encoder	gear motor sew	eurodrive sa47 (optional)
frequency drive	powerFlex 40	conveyor chains	rexnord HP1505 (optional)
encoder	stegman (optional)		
sensors	bulletin 9000		
tri color light	bulletin 855t		
hmi	panelview 600		
door switches and safety relay (category 3)	schmersal AZ16		



The Globallaner is easily integrated with Hartness Case Packers

