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PAKSMART® PC60 Auto Load Carton Machine

Operation:

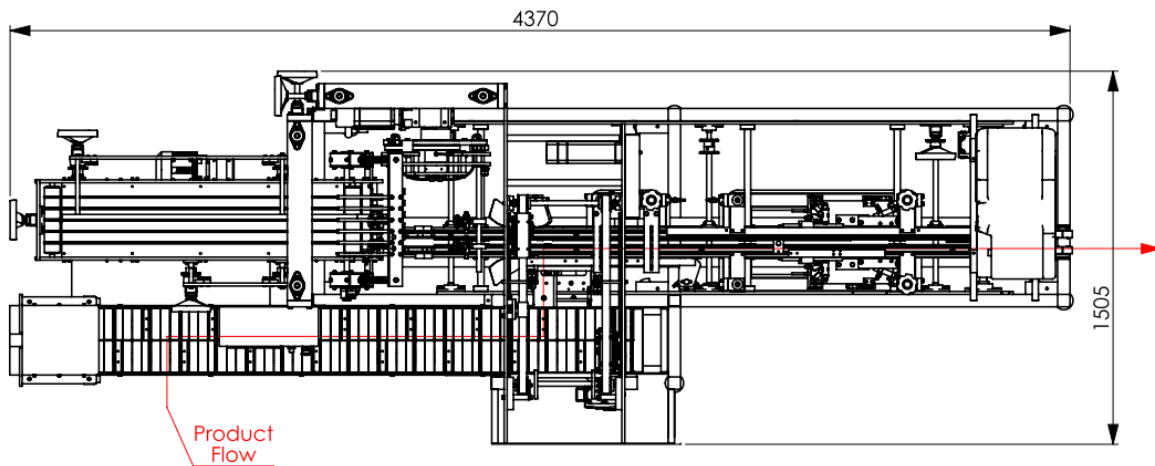
The Loader is a continuous motion device which controls the carton indexing as well as the product in-feed conveyor.

Upon start-up the carton machine will index until both carton and product are at the load station.

The carton is erected via the intermittent motion pick and place rotary erector at station 1. Product is indexed through the in-feed conveyor to the load station 2. Once this is achieved a load cycle will occur. The PC60 will index again until another load condition is met producing a load cycle. The following stations 3 and 4 close both dust flaps and station 5 ploughs the tab closure to pre break it for final tucking in stations 6 and 7. The last station 8 moves this closed carton to the discharge conveyor.

Carton size range:

	Opening length	Opening width	Depth
Minimum	40mm	25mm	110mm
Maximum	225mm	80mm	265mm



PAKSMART® PC60 Layout

FEATURES -

- 60 cartons per minute - suits moderate production requirements.
- Labour requirement for PC60AL = ½ operator
- Quality rugged corrosion resistant construction consisting of stainless steel frame, anodised aluminium components, nickel-plated chain and steel sprockets.
- Carton running surfaces are stainless steel, nylon and Teflon coated aluminium for low friction and carton scuff prevention.
- Hygienic debris fall through design.
- The use of servo drives has dramatically reduced weight, wear and tear, maintenance as well as increased performance and reliability.
- Servo motor drives are used for the carton machine, rotary carton erector, bucket in-feed conveyor and loader.
- Kinetrol quarter turn pneumatic actuator is used at the loading station to control the leading dust flap during the process of product loading.
- In-feed Slat Conveyor boasts improved efficiency due to the unique design for easy size adjustment – **'Single hand adjustment to one bucket sets all bucket compartments'**.
- Rotary pick and place carton erector for high speed efficiency and generous size range.
- Product loading is via a servo driven overhead sweep style transfer. Therefore the load action is very gentle – making it suitable for even the most delicate products.
- ISO pneumatics, SMC or Festo brand for vacuum control and carton compression.
- Integral vacuum generators for carton erecting.
- Nordson Pro Blue or Robatech Concept B hot melt glue system with guns and hoses
- Easy machine access for operator and maintenance personnel through frameless top to bottom polycarbonate safety doors.
- Safety doors are hinged and monitored by interlocking guard switches. The guard switches are checked for correct operation by a HMI panel indicating which door is open.
- Cycle stop function positions all glued cartons in compression preventing reject cartons due to normal machine stops.
- Carton erecting is via a twin head rotary pick and place erector.
- Separate erecting and loading stations for higher speed and greater efficiency.
- Product loading is via a servo driven twin arm loader.
- Hand crank adjustments for magazine height, rotary erector height as well as carton depth adjustment fitted with digital position indicator for rapid precise size change.
- Electronic Interface panel displays machine status for stoppage indication, speed adjustment, glue shut off timing as well as carton erector offset.

- Powered carton magazine hand crank adjustable with digital readouts.
- Easily moved on castors with jacking screws for levelling.
- HMI panel with control panel indicates machine status as well as an in built fault indication and is programmed with your carton sizes to assist the size change procedure.
- 415V AC 3 Phase 50Hz electrics.
- Space saving compact design <4 m²
- Owner's Manual.



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